



**ECE2026**  
TOURS • FRANCE

**CONNECT**  
**SHARE**  
**ADVANCE**

ENTOMOLOGY  
FOR OUR FUTURE

**CONFERENCE GUIDE**  
**OVERVIEW, GENERAL INFORMATION**  
**AND PROGRAMME**

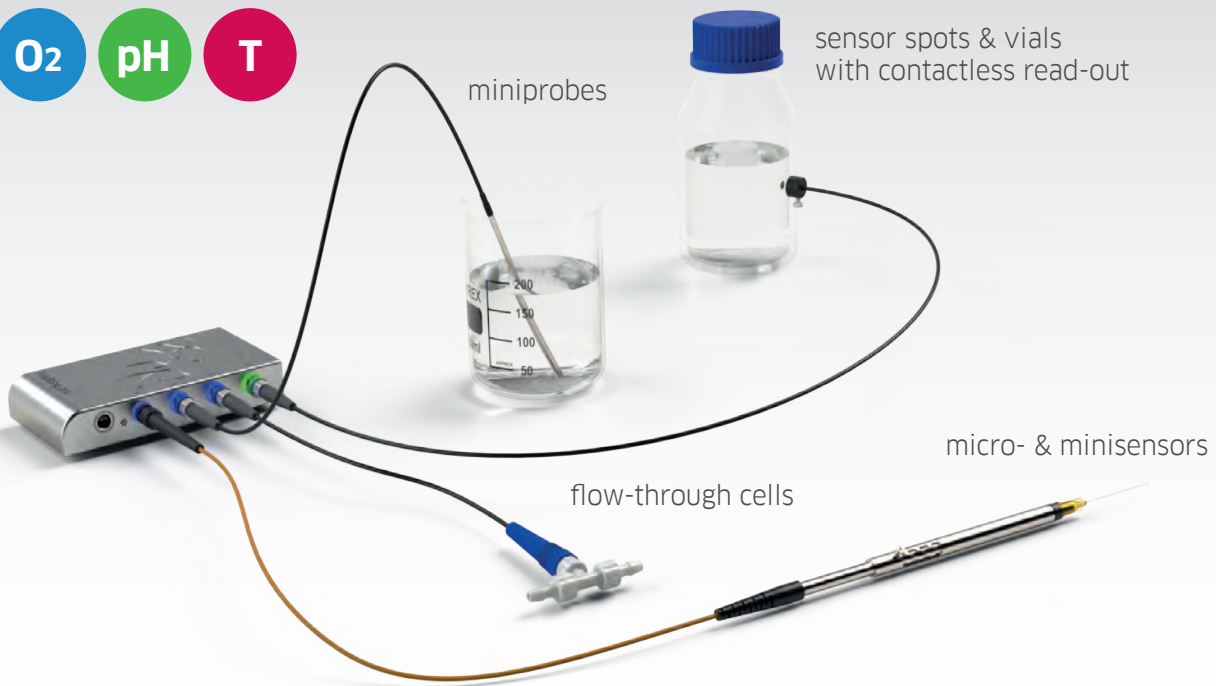


#ECE2026Tours



# Advanced Optical Sensor Solutions

## Various Sensor Formats for Diverse Applications



Fiber-optic oxygen meters: **FireSting-O<sub>2</sub>/-GO<sub>2</sub>**  
Multi-analyte meter: **FireSting-PRO** (pH, O<sub>2</sub>, T)

New 96-well microplate oxygen  
reader: **FirePlate-O<sub>2</sub>**



# WELCOME ADDRESS

## XIII European Congress of Entomology

Tours, France • 29 June – 3 July 2026

Dear Colleagues, Dear Friends,

On behalf of the Organizing Committee, the French Entomological Society, and the Praesidium for European Entomology, we warmly welcome you to Tours for **ECE 2026**, continuing the tradition from Reading 1978 to Heraklion 2023.

### Insects at the heart of global challenges

The world we inhabit today bears little resemblance to the one that welcomed the first ECE delegates nearly 50 years ago. Insects and their microorganisms are now seen as essential allies against today's societal crises—offering pollination, pest control, nutrient cycling, sustainable food production, and bio-based innovation—while also posing risks as disease vectors, pests, and invasive species. **ECE 2026** explores this duality and the broader diversity of insect life and insect-human relationships.

### A scientific programme built for this moment

We have worked hard to build a programme that reflects **the full breadth of entomology** — from classical, foundational topics that define the discipline, to fast-moving emerging research areas that are reshaping it. Across more than fifty symposia, you will find the enduring pillars of insect biology: physiology and biochemistry, evolutionary genetics, ecology and behaviour, social insects, biodiversity, insect vectors, global change — each enriched by the latest data, methods, and theoretical insights. But we have also made a deliberate effort to bring forward **research areas that are too often absent from the ECE stage**, yet are scientifically vibrant and socially critical: biomimetism, museomics, archaeentomology, paleoentomology, forensic entomology, urban entomology, soil entomology... We hope these sessions spark new connections, challenge assumptions, and remind us that the boundaries of entomology are always expanding.

### Science, society, and our responsibility to both

We also take on a question that can no longer remain at the margins of any serious scientific congress: **what does it mean to do science in a world where obscurantism and science denial are growing, where governments and societies struggle to face converging crises — economic, environmental, sanitary — and where scientific knowledge often fails to inspire into political action?**

The challenge extends beyond communication—it requires rethinking our role as scientists, our relationship with policymakers and the public, and whether our publication and outreach models truly deliver real-world impact. **ECE 2026** tackles this head-on through dedicated workshop series: "*From Research to Impact*" bridges biological control, biodiversity management, and sustainable production with policy, ethics and welfare; "*Scientific Communication and Publishing in Entomology*" explores open-access models and the publishing status quo; and "*EU-funded programmes - Careers in Insect Science*" empowers the next generation for lasting impact.

Our conviction is simple:

Entomologists have the evidence and the responsibility to speak out in a world that urgently needs us.

### Diversity, Equity, Inclusion — *The Foundation, Not an Option*

Inclusion isn't an addendum to **ECE 2026**—it's the foundation. From the first planning meeting, every decision aimed at one goal: a space where everyone can speak without fear and exist without shame. This translates into deeply subsidised student fees, childcare and nursing facilities for early-career parents, proactive accommodations for disability and neurodiversity, a zero-tolerance policy on sexual and gender-based violence with trained **ECE Allies**, and tangible LGBTQIA+-affirming measures—self-identification options, gender-neutral facilities. We also pursued gender equity and diversity across our scientific committee,

speakers, and symposium leads, because a congress must reflect the community it claims to represent. This came with tradeoffs, including financial ones: ensuring accessibility sometimes meant accepting support from organization whose broader activities we may criticize. We don't take this lightly—but inclusion has a cost. We chose to bear it.

Science is a shared good and the foundation of a democratic, inclusive, and enlightened society  
**#StandUpForScience**

### A congress to grow from

Career development is woven into the very fabric of **ECE 2026** as a core strand, not an afterthought—designed with early-career scientists in mind but open to everyone, offering networks, collaborations, and concrete tools for the next career step. Workshops combine presentations, hands-on training, and personal testimonies covering EU opportunities such as Erasmus Mundus, MSCA Networks and Fellowships, ERC grants, COST Actions, and EIC Pathfinder, alongside regional Loire Valley programmes. The Royal Entomological Society adds a dedicated careers workshop connecting attendees to resources and pathways beyond academia. The ambition: that everyone leaves with something new—an idea, a collaborator, a direction, a renewed sense of purpose—the seeds we sow in Tours will keep growing throughout Europe and beyond long after **ECE 2026**.

### A shared endeavour

Tours, nestled in the Loire Valley between river and vineyards, offers the perfect setting for deep discussion and warm connection—brilliant science by day, fine wine and cheese by night, surrounded by historic châteaux. The venue, the Palais des Congrès Vinci (Jean Nouvel, Outstanding 20<sup>th</sup> Century Architecture), matches the ambition of the science it hosts. **ECE 2026** aims to be more than a congress—a memorable human experience that builds lasting partnerships and strengthens entomology's collective voice. Heartfelt thanks go to the scientific and organizing committees, sponsors, speakers, and the Insect Biology Research Institute (IRBI) team, with special gratitude to Administrative & Financial Manager Aurélie Cartereau, to Amélie Mercier and to all the volunteers and everyone who contributed along the way of this amazing adventure.

On behalf of the Organizing Committee of **ECE 2026**, bienvenue à Tours! We wish you a congress that stimulates the mind, warms the heart, and sends you home with new ideas, new contacts, and a cherished taste of Touraine's art de vivre.

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### Local Organizing Committee

#### David GIRON

*Congress Chair, ECE 2026*

Research Director, CNRS

Director, Insect Biology Research Institute (IRBI)  
(IRBI)

University of Tours / CNRS, France

#### Elisabeth HERNIOU

*Congress Co-Chair, ECE 2026*

Research Director, CNRS

Insect Biology Research Institute

University of Tours / CNRS, France

#### Aurélien CARTEREAU

*Administrative & Financial Manager, ECE 2026 - IRBI, University of Tours / CNRS, France*

#### Claude FOUBERT

*Organizer, ECE 2026 – VERTCOM agency, Paris, France*

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## PRACTICAL INFORMATION

### General information

Welcome desk (Level 0)

### Registrations

Registration desks (Level 0)

Sunday 30<sup>th</sup> of June 14:00-18:30

Monday 29<sup>th</sup> of June 08h45-09h30

Welcome desk (Level 0)

Every day 08h45-16h00

### Wifi access

Network: ECE-2026

Password: ECE@2026

### Cloakrooms (Level -1)

Monday 29<sup>th</sup> of June to Thursday 2<sup>nd</sup> of July 8:00-18:30

Friday 3<sup>rd</sup> July 8:00-13:30

Not available on gala

### Emergencies & Wellbeing

Welcome desk (Level 0)

The Vinci conference centre has a *First Aid team*. *Conference Volunteers* throughout the conference venue can help you connect with it.



### Wellness room

*The Nest (Level +2)* is available for resting, sensory breaks, medical needs, and nursing only.

### Childcare Service

*The butterfly dream garden and the bumblebee lab (Level +2)*

### Smoking

Smoking is prohibited throughout the conference centre. A designated outdoor area is accessible from *Bourdu Hall (Level -2)*

### Emergency telephone numbers in France:

- **112** – Universal European emergency number
- **18** – Fire brigade
- **15** – Medical emergency services
- **17** – Police emergency
- **114** – Emergency number via text message



### Gender-neutral bathrooms

Gender-neutral bathrooms are available at all levels (-2, -1, +1, +2) of the conference centre.

### Safe Zone

Welcome desk (Level 0)

*ECE Allies* are there in the conference venue



### Food & Drinks

*Marceul Receptions* will provide all the catering at ECE 2026. This local family business favours local produces for a genuine taste of Touraine's gastronomy.

**MARCEUL**  
RECEPTIONS

**Lunches & coffee breaks** - Bourdu Hall (Level -2)

**Gala Dinner** - La Casquette (Level +2)

**Friday's Lunchboxes** - Foyer (Level -1)

### Water fountains

You may refill your eco-cups and flasks at water stations located throughout the conference centre.

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## Scientific activities

### Exhibitors and sponsors area

*Bourdu Hall (Level -2)*

### Poster sessions

*Bourdu Hall (Level -2)*

Session 1 – Monday 29<sup>th</sup> of June 16h30-18h30

Session 2 – Wednesday 1<sup>st</sup> of July 16h00-18h00

### Business centres

*Bourdu Hall (Level -2)*

### Oral presentations

*Preview room (Level +2)*

### Auditorium and Conference rooms

*François 1er Theatre (Level -1)*

*Ronsard Theatre (Level +1)*

*Descartes Theatre (Level +1)*

*Loches (Level +1)*

*Courteline room (Level +2)*

*Vouvray room (Level +2)*

*Chinon room (Level +2)*

*Villandry room (Level +2)*

*Montlouis room (Level +2)*

*Bourgueil room (Level +2)*

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## Side events & activities

### Photocall

*Espace Reflet (Level -1)*

### Art exhibition

*Espace Reflet (Level -1)*

*Lounge area (Level +2)*

### Outreach activities

*Prefecture garden (next to the Conference Centre)*

Wednesday 1<sup>st</sup> of July 10h00-17h00

### Sport

*Yoga – Foyer (Level +1)*

Tuesday 30<sup>th</sup> of June & Wednesday 1<sup>st</sup> of July  
07:45–08:30

*Running – Front of the conference centre*

Tuesday 30<sup>th</sup> of June 07:45–08:30

*Nordic Walk – Front of the conference centre*

Wednesday 1<sup>st</sup> of July: 07:45–08:30

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## ORGANISING INSTITUTIONS

ECE 2026 is organized by the Insect Biology Research Institute (IRBI), the University of Tours (UT) and the National Centre for Scientific Research (CNRS)



In partnership with



and with the support of



institut universitaire de France

LE STUDIUM  
Loire Valley  
Institute for Advanced Studies



## ECE PRAESIDIUM

The purpose of the ECE Praesidium is to ensure the regular organization of the European Congress of Entomology – ideally every four years – and to promote the integration and collaboration of entomological institutions across Europe.



**Dr David GIRON**  
Convenor ECE2026  
Research Director, National  
Center for Scientific Research  
– Director IRBI, Tours, France



**Dr Archie Murchie**  
Chair  
Senior Principal Scientific  
Officer, Agri-Food and  
Biosciences Institute, Belfast,  
Northern Ireland



**Dr Emmanouil Roditakis**  
Convenor ECE2023  
Associate Professor, the  
Hellenic Mediterranean  
University, Heraklion



**Dr Mircea-Dan Mitroiu**  
Member  
Associate Professor,  
Alexandru Ioan Cuza  
University, Iași, Romania



**Dr Ralf Nauen** Member  
Principal Scientist, Research &  
Development, Bayer AG,  
Monheim, Germany



**Dr Jenni Stockan**  
Member  
Research Scientist, The James  
Hutton Institute, Aberdeen,  
Scotland



**Prof Francesco  
Pennacchio** Convenor ECE2018  
Professor, University of  
Naples Federico II, Naples,  
Italy



**Prof Ruth Müller**  
Member  
Associate Professor, Institute  
of Tropical Medicine,  
Antwerp, Belgium



**Dr Maria Dolors Piulachs Bagà**  
Member  
Research Scientist, Spanish  
National Research Council and  
Pompeu Fabra University,  
Barcelona, Spain



**Prof Umut Toprak**  
Member  
Professor, Ankara University,  
Ankara, Turkey Research  
Director, Agriancyra Biotech,  
Ankara, Turkey

## SPONSORS AND EXHIBITORS

### Platinum Sponsor



**Bayer** is a global enterprise with core competencies in the life science fields of health care and nutrition. In line with its mission, “Health for all, Hunger for none,” the company’s products and services are designed to help people and the planet thrive by supporting efforts to master the major challenges presented by a growing and aging global population.

### Gold Sponsors



The **LIFE Programme** is the European Union’s dedicated funding instrument for the environment and climate action, supporting projects that contribute to nature protection, climate change mitigation and adaptation, circular economy, and the clean energy transition.



The **Royal Entomological Society** is devoted to the understanding and development of insect science. It supports international collaboration, research and publication. It aims to show every person how remarkable and valuable insects are and want to enrich the world with insect science.

### Silver Sponsor



**Elsevier** is a leading global publisher with an extensive portfolio in Insect Science, offering cutting-edge research through top-tier journals and books. Committed to advancing entomological knowledge, Elsevier provides researchers and practitioners with high-quality, peer-reviewed content that drives innovation and understanding in the field.

### Iron Sponsor



**Invenesis** is a Contract Research Organization providing Research & Development services for drug discovery to industrial partners in Animal Health, Plant Protection (Crop) and Pharmaceuticals, as well as academia.

### Exhibitors



### Other Supports





# The Insect Canopy Observatory

IMMERSIVE  
MODULAR  
MOBILE

A mobile, immersive observatory that reveals the hidden world of canopy insects and connects biodiversity research with society.



- An immersive learning environment to study insect biodiversity in temperate forests at the canopy level



- Biodiversity & ecosystem research in natural settings



- A base camp immersed in the upper forest strata, connected to a network of elevated platforms with a towering instrumented pole reaching beyond the forest crown to support advanced monitoring systems and insect-trapping devices.



SEE THE VIDEO



## A SENTINEL OBSERVATORY



Long-term monitoring of insect populations and biodiversity



Early detection of invasive species



Tracking impacts of global change & human activities



Understanding forest physiological & ecological responses



Linking science with education & society



CONTACT

david.giron@univ-tours.fr



Technical development Selvao Conception



## SOCIAL PROGRAMME

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At **ECE 2026**, we aim to make your conference experience both scientifically stimulating and enjoyable, with plenty opportunities to connect with other attendees. Alongside the scientific programme, we have planned a range of informal activities throughout the week to foster creativity, discovery, well-being, and conviviality.

### Social Programme & Activities

#### Catch Them All!

Embrace your creative side! Visit the *ECE Ink Station* to personalize your conference bag with entomology-themed stamps and create a unique souvenir of the meeting. The adventure continues throughout the conference centre, where sponsors, exhibitors, and partner booths will host exclusive collectible stamps. Explore the venue, meet exhibitors to collect them all. Stamps can be collected on conference bags, notebooks, conference materials, or dedicated activity cards. Unleash your creativity, embark on a adventure, and enjoy insect-inspired fun!

#### Film Screening: Caterpillar – The Story of a Survivor

*Monday 29<sup>th</sup> of June – Descartes Theatre*

Don't miss out the special screening of *Caterpillar: The Story of a Survivor*, a visually stunning documentary by filmmaker and entomologist Hans Smid, narrated by Louise E. M. Vet. Combining science, storytelling, and remarkable imagery, the film offers a unique perspective on the hidden lives and resilience of caterpillars.

#### Move Like a Bug

Start your day with movement and fresh energy. Free sport and wellness sessions will be supervised by sports professors from the University of Tours. Whether you choose to run, stretch, or walk, these sessions are designed to help you arrive refreshed and ready for the scientific programme.

#### Registration on first come, first served basis

*Conference information desk (Sunday 28 June: 14:00–17:00, Monday 29 June: morning).*

#### *Running – “From Stability to Propulsion”*

Meet in front of the conference centre  
 Tuesday 30<sup>th</sup> of June 07:45–08:30  
 (max. 15 participants)

#### *Yoga – “Static Control and Dynamic Balance”*

Conference centre - Foyer (Level +1)  
 Tuesday 30<sup>th</sup> of June & Wednesday 1<sup>st</sup> of July,  
 07:45–08:30  
 (max. 25 participants, mats provided)

#### *Nordic Walking – “Assisted Locomotion and Energetic Efficiency”*


Meet in front of the conference centre  
 Wednesday 1 July, 07:45–08:30  
 (max. 15 participants)

#### Battle of the Brains: Entomology Trivia Challenge

*Wednesday 1 July – Room Chinon*

Think you know insects? The International Society of Hymenopterists invites all participants to join a friendly trivia competition featuring questions on entomology, science, general culture, and unexpected facts. Following a brief introduction to the Society, participants will compete for prizes in a lively and entertaining challenge open to everyone.

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## EARLY CAREER RESEARCHERS

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### ECR activities

#### Explore, Connect, Grow

Scientific congresses are more than presentations and posters—they're where ideas meet, collaborations begin, and careers take shape. Conversations today may become tomorrow's research projects, partnerships, and lasting friendships. **ECE 2026** offers activities designed for **Early Career Researchers** to connect beyond the conference halls: bioblitz, a riverside guinguette evening, city discovery, and informal gatherings. Take part, meet future collaborators, and plant seeds for scientific adventures to grow long after ECE 2026 ends.

We truly hope that beyond discovering Tours, you will also discover a place where you could imagine yourself becoming a genuine Tourangeau or Tourangelle — and perhaps one day joining the IRBI community for collaborations or even more permanently.

#### Bioblitz

*Monday 29th & Tuesday 30th of June 20:30–22:30*

A collaborative biodiversity survey at twilight along the Loire's ecological corridor. Île Simon (Monday) / Parc Sainte-Radegonde (Tuesday). Free, 15 participants/evening, registration required: [luma.com/uafvlk64](https://luma.com/uafvlk64)

#### La Guinguette

*Tuesday 30th of June from 19:00*

An evening by the Loire in the French guinguette tradition—music, food, and riverside ambiance. La Guinguette, 1 Place Anatole France, 37100 Tours. Drinks/food at own expense, no registration needed.

#### Party Crafty

*Wednesday 1st of July 18:15 (depart from Vinci conference centre) or 19:00 (directly at Le Crafty)*

A convivial evening with local early-career researchers—craft beers, darts, and challenges against IRBI champions. Le Crafty, 18 Place de la Résistance, 37000 Tours. Drinks/food at own expense; limited to 70, registration required: [luma.com/uafvlk64](https://luma.com/uafvlk64)

#### Local Arts & Craft Market Tour

*Friday 3rd of July 15:00 (depart from Vinci conference centre) or 16:00 (Place Châteauneuf)*

A guided heritage walk to two arts and crafts markets (Place Châteauneuf & Place du Grand Marché) showcasing regional craftsmanship. 16 Rue des Bons Enfants, 37000 Tours. Markets open to all; guided tour limited to 20, registration required: [luma.com/uafvlk64](https://luma.com/uafvlk64)

#### Career Development Workshops

Beyond social activities, the main program includes workshops on career development, funding opportunities, and European research tools:

*Tuesday 30th of June – Descartes Theatre*  
"Launching Your Career in Insect Science: Master Erasmus Mundus & MSCA Doctoral Networks"

*Wednesday 1st of July – Room Vouvray*  
"Careers in Insect Science – Pathways, Case Studies and Inspiring the Next Generation"

*Wednesday 1st of July – Descartes Theatre*  
"Boosting Your Career in Insect Science: MSCA Postdoctoral Fellowships & ERC Grants"

*Thursday 2nd of July – Descartes Theatre*  
"Leading the Future in Insect Science: MSCA Staff Exchanges, ERC Synergy, EIC Pathfinder..."

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## ART & SCIENCES

When art and science meet, creativity fuels discovery. By revealing research through multiple perspectives, art–science collaborations inspire new ideas and artistic creations, make science more accessible, and strengthen connections between research and society.



### **INSCTS** - *Espace Reflet (Level -1)*

**I N S C T S** by Umberto Diecinove is an ongoing multimedia project documenting and communicating the evolving insects-as-food-and-feed landscape.

Developed through collaborations with international research institutions, universities, and companies, the project has reached global audiences through the [Get the Bug podcast](#), publications spanning from China to Mexico, and photography exhibitions across Europe and in California.

In 2024, Umberto Diecinove was awarded the LE STUDIUM Visiting Artist Award. Supported by the Centre-Val de Loire Regional Council, Orléans Métropole, and the Universities of Orléans and Tours, this grant enabled him to spend six months at the Insect Biology Research Institute (IRBI), where he documented the institute's research activities and produced several of the images displayed at the ECE conference.

With **I N S C T S**, Umberto Diecinove was twice recommended in the World Press Photo Contest and nominated for the Leica Oskar Barnack Award.



### **RGRDS** - Lounge area (Level +2)

R G R D S by Umberto Diecinove is an art–science project developed in collaboration with Insect Biology Research Institute (IRBI), CNRS and the University of Tours.

The title R G R D S derives from the French word *regards* (“ways of seeing”). The project was conceived by Umberto Diecinove as an exchange between the perspectives of IRBI researchers, the technological instruments they use, and the perspective of the author.

Created through Kaléidoscope, a programme of the University of Tours that fosters collaborations between artists and researchers, the project explores scientific images, research data, laboratory instruments, and observation tools as visual material. Through this process, materials originally produced for scientific investigation are reinterpreted and transformed into a series of artworks.

R G R D S forms part of Umberto Diecinove’s broader investigation into insects, science, and society.

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#### **UMBERTO DIECINOVE BIO**

UMBERTO DIECINOVE (1978, IT) is a photographer and artist working across multimedia and research-based practices. His work combines commissioned assignments with long-term independent projects developed through collaborations with research institutions, universities, and cultural organizations. In recent years, he has focused on I N S C T S, a long-term multimedia project exploring the emerging insects-as-food-and-feed sector. With this project, he was nominated for the Leica Oskar Barnack Award and twice recommended in the World Press Photo Contest.

His work has been exhibited internationally, including at the Robert Capa Contemporary Photography Centre (Budapest), the Noorderlicht Biennial (The Netherlands), Horizonte Zingst Festival (Germany), Centro de Arte Naves de Gamazo (Santander), and Glass Box Gallery (Santa Barbara).

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## FILM

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# CATERPILLAR

THE STORY OF A SURVIVOR  
A FILM BY  
HANS SMID

NARRATOR:  
PROF. LOUISE EM VET



**Film Screening: Caterpillar – The Story of a Survivor** - Monday 29<sup>th</sup> of June 17:00 – Descartes Theatre

The film *'Caterpillar: The story of a survivor'* takes the viewer on a journey with the undervalued children of butterflies. This nature documentary is actually an exciting 'coming of age' film, in which the process of growing up is filmed close-up. We follow a caterpillar of a Large Cabbage White that emerges from its egg and starts eating its favourite cabbage plant. But that does not go unnoticed. Various attackers come to the caterpillars. It remains exciting until the end and strangely enough, many caterpillars become a completely different animal than a butterfly. Gradually it becomes clear how beautifully the community of plants and animals around (and even inside) these caterpillars is entangled. A warm plea for the preservation of biodiversity.

The film was made by Hans Smid, for the celebration of the 100<sup>th</sup> anniversary of the Laboratory of Entomology at Wageningen University, Netherlands.

The narrator is Louise E.M. Vet, emeritus professor of evolutionary ecology, former director of NIOO-KNAW and chair of the Delta Plan for Biodiversity Recovery

Watch the trailer: <https://vimeo.com/1176842065>

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## OUTREACH PROGRAM

On Wednesday 1<sup>st</sup> of July, **ECE 2026** spread its wing next door to meet the general public at the Prefecture Garden. All day long, entomologists will share their passion through exhibits, workshops and activities for kids and adults. *A day to share, learn, observe, and be amazed.*



# FABULEUX INSECTES

Venez explorer le monde fascinant des insectes ! 

 Square de la Préfecture - Tours

 **MERCREDI  
1ER JUILLET  
2026** |  **DE 10H  
À 17H** |  **ENTRÉE LIBRE  
TOUT PUBLIC**

Chercheurs, associations et passionnés vous invitent à une journée exceptionnelle pour découvrir le **rôle essentiel des insectes** dans notre environnement.

### ATELIERS & ANIMATIONS

- Insectes nuisibles ou utiles ? Est-ce bien raisonnable de classer les insectes ainsi ?
- Le développement des insectes : métamorphoses et cycles de vie
- Animations interactives pour petits et grands 

### STANDS DÉCOUVERTE

Rencontrez scientifiques et naturalistes :

- Institut de Recherche sur la Biologie de l'Insecte
- Muséum d'histoire naturelle de Tours
- Muséum national d'Histoire naturelle
- Unité de recherche zoologique

### EXPOSITION

Parcourez le parc et découvrez :

- Portraits d'insectes
- Insectes bâtisseurs
- Les métiers de la recherche

Un parcours immersif au cœur de la biodiversité

### TOUT AU LONG DE LA JOURNÉE

- Spipoll : recherche citoyenne sur les insectes
- Les guêpes sauvages
- Des insectes dans nos assiettes ?
- Les chenilles processionnaires du pin

 **UNE JOURNÉE POUR APPRENDRE, OBSERVER ET S'ÉMERVEILLER ! **

## AUTHOR and PARTICIPANT GUIDELINES

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As many presentations include cutting-edge and unpublished research results, **photography, audio recording, and video recording of oral and poster sessions are not permitted**. We thank you for respecting the confidentiality of the scientific content shared during the congress.

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### Oral presentations

#### Presentation Upload Requirements

- All presentations must be uploaded at least 24h in advance through the conference platform.
- Upload your presentation through your participant profile on the conference website **at least 24 hours before your session**.
- Changes made after the 24-hour deadline will **not** be synchronized with the conference system; the last version uploaded before the deadline will be used.
- Presentations cannot be run from personal laptops or uploaded via USB in the session rooms.
- *A Preview room (Level +2)* is available for checking your presentation, if need be.

#### Symposium Sessions

To help keep the program on schedule, **presenters** should be present in their allocated room and thematic session before the start of the session.

- Standard talks: **12 minutes presentation + 3 minutes Q&A** (maximum 15 minutes total).
- Invited talks: **25 minutes presentation + 5 minutes Q&A** (maximum 30 minutes total).
- Presentation times are strictly enforced due to the tight conference schedule.
- *Please check the conference app regularly for any updates regarding the program, room allocations, or timing changes.*

#### Important

- **Remote presentations are not allowed.**
  - All oral presentations must be delivered **in person** at the conference venue.
- 

### Poster sessions

All posters will be displayed in *Bourdu Hall (Level -2)* for two full days and will be easily accessible during lunch and coffee breaks. There will be two poster sessions during ECE 2026, and interactive poster sessions are scheduled alongside 'Ice Breakers'. Please refer to the scientific program to check whether your poster is assigned to the first or second session.

Special adhesive tape for the poster boards will be provided on site. *Please note, alternative fixing systems such as pins, Velcro, or any other attachment devices are not allowed.*

#### Session 1 (Monday–Tuesday)

- Posters must be displayed on Monday morning at their allocated number.
- **Authors** should present their poster on **Monday 29<sup>th</sup> of June 16h30-18h30**.
- Posters must be removed on Tuesday afternoon before 5:00 PM. *Any posters remaining after this time will be discarded.*

#### Session 2 (Wednesday–Thursday)

- Posters must be displayed on Monday Wednesday at their allocated number.
  - **Authors** should present their poster on **Wednesday 1<sup>st</sup> of July 16h00-18h00**.
  - Posters must be removed on Thursday afternoon before 5:00 PM. *Any posters remaining after this time will be discarded.*
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## TIPS FROM YOUR CHAIRS: HIDDEN GEMS & CURIOUS STORIES

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Tours is a city of history, gastronomy and culture. For nearly two millennia, Romans, pilgrims, merchants, kings and saints have shaped its streets and heritage. At the heart of the Loire Valley, it is equally renowned for its markets, vineyards and culinary traditions. Tours is also famous for its accent, often regarded as one of the clearest forms of French and frequently cited as a reference for standard pronunciation. Between conference sessions, we invite you to discover some of our favourite places, flavours and stories that make Tours so unique.

### **La Briocherie**

4 Place du Général Leclerc, 37000 Tours - Just outside the train station, facing the city's iconic clock tower, a traditional bakery keeps alive one of Tours' oldest culinary treasures: the Brioche de Saint-Martin, a twisted crown-shaped brioche whose origins stretch back centuries.

*Why we love it: The perfect first taste of Tours, especially with a morning coffee after arriving by train.*

### **La Chocolatière**

5 Rue du Commerce, 37000 Tours - An institution in Tours for generations, renowned for its handcrafted chocolates and elegant creations.

*Why we love it: Because no visit to France is complete without exceptional chocolate.*

### **Pâtisserie Nicolas Léger**

59 Place du Grand Marché, 37000 Tours - One of the city's most respected pastry chefs, known for combining technical excellence with refined creativity.

*Why we love it: Beautiful pastries that are almost too elegant to eat.*

### **Les Halles de Tours**

1 Place Gaston Paillhou, 37000 Tours - A short walk from the boulevards, the city's covered market comes alive every morning with the scents and colours of the Loire Valley. Local producers, cheesemongers, fish/meatmongers, bakers and charcutiers gather here beneath one roof. Don't leave without trying Rillettes de Tours, the city's emblematic slow-cooked pork speciality.

*Why we love it: The best place to discover the flavours that define Touraine.*

### **La Maison Clément**

Les Halles de Tours, Place Gaston Paillhou - Located inside Les Halles, this celebrated delicatessen showcases some of the finest products of the region: cheeses, charcuterie, wines, preserves and seasonal specialities.

*Why we love it: A perfect stop for edible souvenirs and local delicacies.*

### **Épicerie Fine du Grand Passage – Maison Lhôte**

7bis Boulevard Heurteloup, Rue du Grand Marché, 37000 Tours - A treasure trove of carefully selected regional products, from artisanal preserves to exceptional vinegars, spices and gourmet gifts.

*Why we love it: A wonderful address for discovering lesser-known culinary gems of the Loire Valley.*

### **Café du Vieux Murier**

11 Place Plumereau, 37000 Tours - Around the lively Place Plumereau, medieval streets branch off in every direction. Hidden among them sits a café whose name recalls the mulberry tree, once essential to the silk industry that brought prosperity to Tours.

*Why we love it: A quintessential Touraine café atmosphere in the heart of the old town.*

### **O Lieu Dit Vin**

101 Boulevard Jean Royer, 37000 Tours - A friendly wine bar dedicated to independent winemakers and the remarkable diversity of Loire Valley wines.

*Why we love it: An ideal introduction to Vouvray, Chinon, Bourgueil and other regional treasures.*

### **La Maison des Halles**

19 Place des Halles, 37000 Tours - A traditional French brasserie with a contemporary touch, celebrating local ingredients and classic recipes.

*Why we love it: Honest bistronomy, excellent produce and a warm Touraine welcome.*



### **La Chope**

25 Bis Avenue de Grammont, 37000 Tours - A Tours institution since the 1930s, La Chope is one of the city's finest examples of Art Deco architecture, with its elegant woodwork, mirrors and period atmosphere carefully preserved. The restaurant has built a longstanding reputation around seafood and freshwater fish, celebrating the culinary traditions of the Loire and the Atlantic coast.

*Why we love it: A unique blend of architectural heritage and outstanding fish dishes, offering a dining experience that feels timeless.*

### **La Guinguette de Tours-sur-Loire**

La Loire river bank, 37000 Tours - Just a short walk from the congress centre, this lively riverside venue keeps alive the French tradition of the guinguette: open-air dining, drinks, music and dancing by the Loire. On summer evenings, it becomes one of the city's favourite gathering places.

*Why we love it: The perfect spot to enjoy the relaxed Loire lifestyle while watching the sunset over the river.*

### **La Bellevue Rooftop**

4 Place de la Cathédrale, 37000 Tours - Perched above the rooftops of Tours, La Bellevue offers one of the city's finest panoramic views, stretching from the Loire River to the historic skyline. Whether for a coffee, a cocktail, or an evening drink, it provides a modern perspective on the city.

*Why we love it: A spectacular sunset spot overlooking Tours and the Loire Valley. The newest places to enjoy a drink in Tours*

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### **Basilique Saint-Martin**

7 Rue Baleschoux, 37000 Tours - Hidden among the streets of the old quarter stands a remarkable neo-Byzantine basilica built in the late nineteenth century above the tomb of Saint Martin, one of the most influential figures of early medieval Europe. As Bishop of Tours, his fame spread across the continent, and his shrine became one of the most important pilgrimage destinations in Christendom.

*Why we love it: A place where nearly sixteen centuries of European history converge beneath one roof.*

### **Tour Charlemagne & Tour de l'Horloge**

Rue des Halles, 37000 Tours - Standing alone on a lively square, these two medieval towers are all that remain of the immense Basilica of Saint Martin, once among the largest churches in the Christian world. Look carefully at the pavement around them and you'll discover markers tracing the footprint of the vanished nave.

*Why we love it: They offer a powerful reminder of the scale and prestige of medieval Tours.*

### **Hôtel Gouin**

25 Rue du Commerce, 37000 Tours - On the city's main shopping street stands one of Tours' finest Renaissance façades. Remarkably, it survived the bombing of 1940 that devastated much of the surrounding area. Its sculpted decorations include references to the silk industry that once made Tours one of France's wealthiest cities.

*Why we love it: A rare survivor that bridges Renaissance splendour and modern history.*

### **Jardin Beaune-Semblançay**

Rue Jules Favre, 37000 Tours - Hidden behind an unassuming gate lies one of the city's most charming Renaissance gardens. At its centre stands a sixteenth-century fountain associated with Jacques de Beaune-Semblançay, royal treasurer to François I. His spectacular rise—and dramatic downfall—remain one of the great stories of the French Renaissance.

*Why we love it: A peaceful secret garden where history feels wonderfully close.*

### **Musée des Beaux-Arts and Fritz the Elephant**

18 Place François-Sicard, 37000 Tours - The former archbishop's palace now houses the Fine Arts Museum. In its courtyard, freely accessible without a museum ticket, stands Fritz, the city's most beloved elephant. After his death in the early twentieth century, the giant became an unlikely symbol of Tours.

*Why we love it: Every city deserves an icon—and Tours chose an elephant.*

A decorative graphic at the bottom of the page consists of several overlapping, wavy shapes in shades of blue, teal, and orange, with small colored circles (blue, orange, teal) scattered across the design.

### **The Cedar of Lebanon**

18 Place François-Sicard, 37000 Tours - Just beside Fritz grows one of the most magnificent trees in the city. This Cedar of Lebanon, with its vast horizontal branches, has watched over the museum grounds for centuries.

*Why we love it: A living monument that rivals many of the architectural ones nearby.*

### **The Gallo-Roman Amphitheatre**

Jardin des Vikings, 37000 Tours - Few visitors realise that beneath the medieval city lies one of the largest Roman amphitheatres in the Roman Empire. Today, parts of its immense curved walls emerge from later buildings and gardens, offering glimpses into ancient Caesarodunum, the Roman predecessor of Tours.

*Why we love it: It reveals the city's Roman origins hidden in plain sight.*

### **Passage des Cœurs Navrés**

64-66, venelle du Cœur-Navré – Access by Rue Colbert - Easy to miss unless you know where to look, this narrow passageway bears one of the most poetic names in the city: "The Passage of Broken Hearts." Its origins lie in medieval medicine and local folklore.

*Why we love it: A tiny alleyway that captures the imagination and mystery of old Tours.*

### **The Monster**

Place du Grand Marché, 37000 Tours - At the heart of the timber-framed district stands a curious sculpture affectionately known by locals as Le Monstre. Neither entirely human nor animal, it has become one of the city's most photographed oddities.

*Why we love it: Because every medieval city needs a good mystery.*

### **The Red Timber-Framed House**

23–27 Rue Colbert, 37000 Tours - Among the many half-timbered houses of Tours, this one immediately catches the eye thanks to its striking red beams and remarkable carved figures. Look closely and you will discover a fascinating collection of human, animal and fantastical characters.

*Why we love it: A perfect example of the craftsmanship that shaped medieval Tours.*

### **The Remains of Saint-Martin's Necropolis**

Behind Place Plumereau - Step away from the busy cafés and into the quieter lanes behind the Place Plum'. Here, fragments of ancient stonework emerge from the ground—the last visible traces of the vast medieval cemetery that once surrounded Saint Martin's shrine.

*Why we love it: Hidden archaeology that most visitors walk past without noticing.*

### **L'Étoile Bleue**

15 Rue du Champ de Mars – Near Place de la Victoire - On an otherwise ordinary street, a discreet façade preserves the memory of a different era. Here once stood L'Étoile Bleue, one of the city's best-known maisons de tolérance before their closure in the mid-twentieth century.

*Why we love it: A reminder that history is not only made of kings and cathedrals.*

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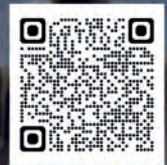


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million  
funding for  
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INSECTS AS SOLUTIONS FOR A SUSTAINABLE FUTURE

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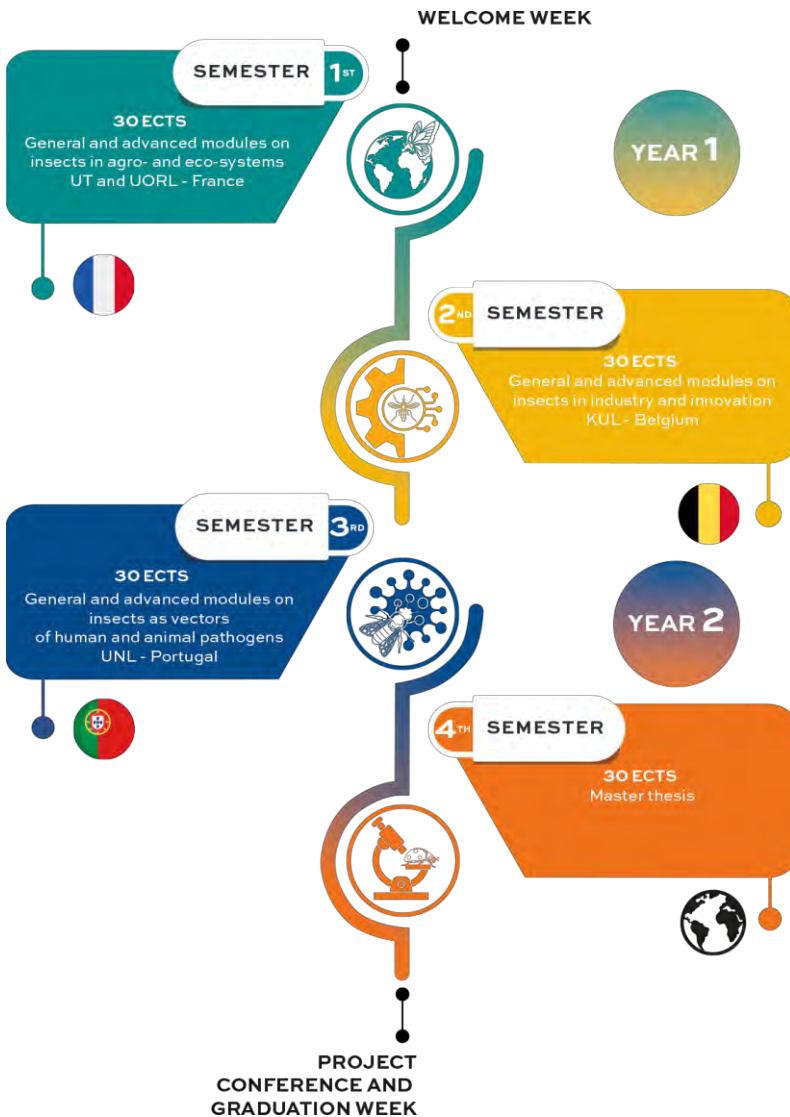
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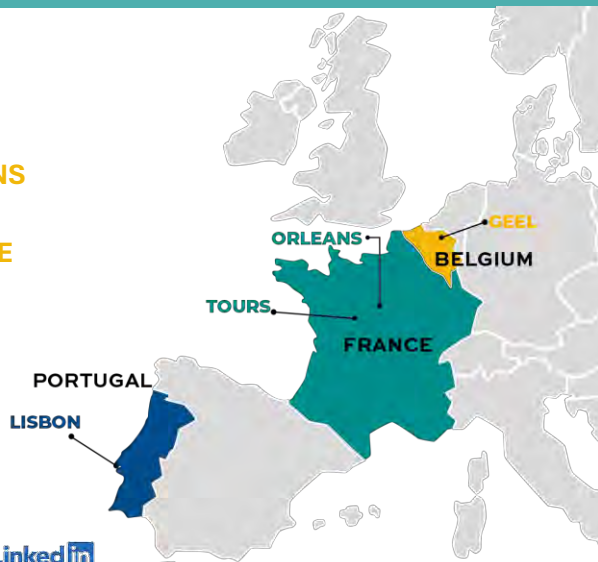


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FOR A SUSTAINABLE FUTURE



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- ✓ Applied Entomology & Agroecological Solutions
- ✓ Biodiversity Monitoring & Environmental Diagnostics
- ✓ Insect-Based Innovation & Bioeconomy



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#### INSECTS AND ENVIRONMENTAL SUSTAINABILITY



Trains students to understand eco-evolutionary mechanisms shaping biodiversity—from molecules to populations—using insects as models to design effective solutions to 21<sup>st</sup>-century environmental, food, and health challenges.

#### PREPARE FOR CAREERS IN

- ✓ Academia & Research
- ✓ Biodiversity Management & Conservation
- ✓ Sustainable Crop & Forest Protection
- ✓ Innovation, Bioeconomy & Public Health



#### INTERNATIONAL MASTER

#### INSECTS AS SOLUTIONS FOR A SUSTAINABLE FUTURE



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Improve crop protection and agriculture sustainability



#### ECOSYSTEMS & BIODIVERSITY

Understand and preserve ecosystems and insect diversity



#### PEST CONTROL & BIOCONTROL

Develop innovative, safe and sustainable management solutions



#### HUMAN & ANIMAL HEALTH

Vector control, risk assessment and one health approach



#### INDUSTRY & INNOVATION

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## PROGRAMME AT A GLANCE



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| Sunday 28 June |                  | Le Vinci - Palais des Congrès de Tours |             |                      |                 |                   |
|----------------|------------------|--|-------------|----------------------|-----------------|-------------------|
| Level          |                  | Level-0                                | Level-2     | Level-1              | Level+1         | Level+1           |
| Time / Room    | General Schedule |  | Hall Bourdu | François 1er Theater | Ronsard Theater | Descartes Theater |
| 14:00-17:30    | Registration     | Registration                           |             |                      |                 |                   |

| Monday 29 June |                                   | Le Vinci - Palais des Congrès de Tours |                                 |   |                 |   |
|----------------|-----------------------------------|--|---------------------------------|---|-----------------|---|
| Level          |                                   | Level-0                                | Level-2                         | Level-1   | Level+1         | Level+1   |
| Time / Room    | General Schedule                  |  | Hall Bourdu                     | François 1er Theater  | Ronsard Theater | Descartes Theater   |
| 08h45-09h30    | Opening ceremony                  | Registration                           |                                 | Opening ceremony  |                 |   |
| 09h30-10h30    | Plenary Lecture 1<br>Jerome Casas |  |                                 | Plenary Lecture 1<br>Jerome Casas<br>Biomimetism                      |                 |   |
| 10h30-11h00    | Coffee Break                      |  | Coffee Break                    |   |                 |   |
| 11h00-13h00    | Thematic Sessions                 |  |                                 | ECOLOGY & BEHAVIOR<br>Chemical Ecology of Insect<br>Interactions<br>1 |                 | GLOBAL CHANGE<br>Thermal ecology<br>and climate change<br>1 |
| 13h00-13h20    | Lunch Break                       |  | Lunch Break                     |   |                 |   |
| 13h20-14h20    | Lunch Break                       |  | Lunch Break                     |   |                 |   |
| 14h20-14h30    | Lunch Break                       |  | Lunch Break                     |   |                 |   |
| 14h30-16h30    | Thematic Sessions                 |  |                                 | ECOLOGY & BEHAVIOR<br>Chemical Ecology of Insect<br>Interactions<br>2 |                 | GLOBAL CHANGE<br>Thermal ecology<br>and climate change<br>2 |
| 16h30-17h00    |                                   |  |                                 |   |                 |   |
| 17h00-18h00    | Poster Session 1<br>Ice breaker   |  | Poster Session 1<br>Ice breaker | EU funding programs<br>COST networks                                  |                 | MOVIE<br>Caterpillar  |
| 18h00-18h30    |                                   |  |                                 |   |                 |   |

| Tuesday 30 June |  | Le Vinci - Palais des Congrès de Tours |              |   |   |   |
|-----------------|--|--|--------------|---|---|---|
| Level           |  | Level-0                                | Level-2      | Level-1   | Level+1   | Level+1                                   |
| Time / Room     | General Schedule                       |  | Hall Bourdu  | François 1er Theater  | Ronsard Theater   | Descartes Theater                         |
| 07h45-08h30     | Move Like a Bug 1                      |  |              |   | Move Like a Bug 2   |   |
| 08h45-09h00     | Announcements                          | Registration                           |              | Announcements   |   |   |
| 09h00-10h00     | Plenary Lecture 2<br>Cleo Bertelsmeier |  |              | Plenary Lecture 2<br>Cleo Bertelsmeier<br>Biological Invasion             |   |   |
| 10h00-10h30     | Coffee Break                           |  | Coffee Break |   |   |   |
| 10h30-12h30     | Thematic Sessions                      |  |              | INSECTS AS SOLUTIONS<br>Biocontrol and Integrated<br>pest management<br>1 | ECOLOGY & BEHAVIOR<br>Plant-Insect-microorganism<br>interactions<br>1 | GLOBAL CHANGE<br>Biological invasion<br>1 |
| 12h30-12h50     | Lunch Break                            |  | Lunch Break  |   |   |   |
| 12h50-13h50     | Lunch Break                            |  | Lunch Break  |   |   |   |
| 13h50-14h00     | Lunch Break                            |  | Lunch Break  |   |   |   |
| 14h00-16h00     | Thematic Sessions                      |  |              | INSECTS AS SOLUTIONS<br>Biocontrol and Integrated<br>pest management<br>2 | ECOLOGY & BEHAVIOR<br>Plant-Insect-microorganism<br>interactions<br>2 | GLOBAL CHANGE<br>Biological invasion<br>2 |
| 16h00-16h30     | Coffee Break                           |  | Coffee Break |   |   |   |
| 16h30-18h30     | Thematic Sessions                      |  |              | INSECTS AS SOLUTIONS<br>Biocontrol and Integrated<br>pest management<br>3 | ECOLOGY & BEHAVIOR<br>Plant-Insect-microorganism<br>interactions<br>3 | GLOBAL CHANGE<br>Biological invasion<br>3 |

## Le Vinci - Palais des Congrès de Tours

|          |          |          |            |           |           |           |
|----------|----------|----------|------------|-----------|-----------|-----------|
| Level +1 | Level +2 | Level +2 | Level +2   | Level +2  | Level +2  | Level +2  |
| Loches   | Chinon   | Vouvray  | Courteline | Bourgueil | Montlouis | Villandry |

## Le Vinci - Palais des Congrès de Tours

|          |          |          |            |           |           |           |
|----------|----------|----------|------------|-----------|-----------|-----------|
| Level +1 | Level +2 | Level +2 | Level +2   | Level +2  | Level +2  | Level +2  |
| Loches   | Chinon   | Vouvray  | Courteline | Bourgueil | Montlouis | Villandry |

|   |   |  |  |   |   |                                      |
|---|---|--|--|---|---|--------------------------------------|
| EVOLUTIONARY GENETICS<br>Symbionts and insects as holobionts<br>1 | INSECT VECTORS<br>Veterinary entomology   | ECOLOGY & BEHAVIOR<br>Multitrophic interactions<br>1 | BIODIVERSITY<br>Insect monitoring<br>1 | INSECTS & SOCIETY<br>Entomological education and citizen science in entomology            | EVOLUTIONARY GENETICS<br>Genetic variation and selection in insect population | SOCIAL INSECTS<br>Parental care<br>1 |
|   |   |  |  |   | EB<br>Entom Exp App   |                                      |
| EVOLUTIONARY GENETICS<br>Symbionts and insects as holobionts<br>2 | INSECT VECTORS<br>Medical entomology<br>1 | ECOLOGY & BEHAVIOR<br>Multitrophic interactions<br>2 | BIODIVERSITY<br>Insect monitoring<br>2 | INSECTS AS SOLUTIONS<br>Biomimeticism: From biological to bio-inspired photonic materials | INSECTS THROUGH TIME<br>Museomics   | SOCIAL INSECTS<br>Parental care<br>2 |
|   | Institut Pasteur:<br>From Lab to Field    |  |  | Long-term perspectives on biomimetics   |   | Insect parental care                 |

## Le Vinci - Palais des Congrès de Tours

|          |          |          |            |           |           |           |
|----------|----------|----------|------------|-----------|-----------|-----------|
| Level +1 | Level +2 | Level +2 | Level +2   | Level +2  | Level +2  | Level +2  |
| Loches   | Chinon   | Vouvray  | Courteline | Bourgueil | Montlouis | Villandry |

|  |   |   |  |  |   |   |
|--|---|---|--|--|---|---|
| BIODIVERSITY<br>Species distribution<br>1      | INSECT VECTORS<br>Medical entomology<br>2                         | EVOLUTIONARY GENETICS<br>Symbionts and insects as holobionts<br>3     | INSECTS THROUGH TIME<br>Insect Systematics in the Biodiversity Crisis<br>1 | INSECTS AS SOLUTIONS<br>Insects as feed and food<br>1          | INSECTS AS SOLUTIONS<br>Biomimeticism: Bioinspired materials, sensory and actuation systems | ECOLOGY & BEHAVIOR<br>Imaging sensing and tracking tools<br>1 |
| Career 1<br>Master Mundus<br>Doctoral Networks |   |   | Science<br>Communication   |  | EB Royal Entomological<br>Society   | AnimalITA   |
| BIODIVERSITY<br>Species distribution<br>2      | INSECT VECTORS<br>Medical entomology<br>3                         | SOCIAL INSECTS<br>Division of labour, behavioural specialisat...<br>1 | GLOBAL CHANGE<br>Insect and resistance mechanisms<br>1                     | INSECTS AS SOLUTIONS<br>Insects as feed and food<br>2          | EVOLUTIONARY GENETICS<br>Eco-evolutionary dynamics of sexual selection...<br>1              | ECOLOGY & BEHAVIOR<br>Imaging sensing and tracking tools<br>2 |
| EU funding programs<br>LIFE projects           | EVOLUTIONARY GENETICS<br>Genomics and evolutionary novelties<br>1 | SOCIAL INSECTS<br>Division of labour, behavioural specialisat...<br>2 | GLOBAL CHANGE<br>Insect and resistance mechanisms<br>2                     | INSECTS & SOCIETY<br>From research to impact<br>Insect rearing | EVOLUTIONARY GENETICS<br>Eco-evolutionary dynamics of sexual selection...<br>2              | INSECTS & SOCIETY<br>AI and machine learning                  |

| Wednesday 1 July |  | Le Vinci - Palais des Congrès de Tours |             |   |                   |   |
|------------------|--|--|-------------|---|-------------------|---|
| Level            |  | Level-0                                | Level-2     | Level-1   | Level +1          | Level +1  |
| Time / Room      | General Schedule                       |  | Hall Bourdu | François 1er Theater  | Ronsard Theater   | Descartes Theater   |
| 07h45-08h30      | Move Like a Bug 3                      |  |             |   | Move Like a Bug 2 |   |
| 08h45-09h00      | Announcements                          | Registration                           |             | Announcements   |                   |   |
| 09h00-10h00      | Plenary Lecture 3<br>Martin Kaltenpoth |  |             | Plenary Lecture 3<br>Martin Kaltenpoth<br>Symbionts                   |                   |   |
| 10h00-10h30      | Coffee Break                           |  |             | Coffee Break  |                   |   |
| 10h30-12h30      | Thematic Sessions                      |  |             | ECOLOGY & BEHAVIOR<br>Plant-Insect-microorganism<br>interaction<br>4  |                   | GLOBAL CHANGE<br>Thermal ecology<br>and climate change<br>3 |
| 12h30-12h50      | Lunch Break                            |  |             | Lunch Break   |                   |   |
| 12h50-13h50      | Lunch Break                            |  |             |   |                   |   |
| 13h50-14h00      | Thematic Sessions                      |  |             | ECOLOGY & BEHAVIOR<br>Plant-Insect-microorganism<br>interactions<br>5 |                   | GLOBAL CHANGE<br>Thermal ecology<br>and climate change<br>4 |
| 14h00-16h00      | Poster Session 2<br>Ice breaker        |  |             | Poster Session 2<br>Ice breaker                                       |                   |   |
| 16h00-17h00      |  |  |             |   |                   |   |
| 17h00-18h00      |  |  |             |   |                   |   |

| Thursday 2 July |                                      | Le Vinci - Palais des Congrès de Tours |             |   |   |  |
|-----------------|--------------------------------------|--|-------------|---|---|--|
| Level           |                                      | Level-0                                | Level-2     | Level-1   | Level +1  | Level +1   |
| Time / Room     | General Schedule                     |  | Hall Bourdu | François 1er Theater  | Ronsard Theater   | Descartes Theater  |
| 08h45-09h00     | Announcements                        | Registration                           |             | Announcements   |   |  |
| 09h00-10h00     | Plenary Lecture 4<br>Bregje Wertheim |  |             | Plenary Lecture 4<br>Bregje Wertheim<br>Immunity                          |   |  |
| 10h00-10h30     | Coffee Break                         |  |             | Coffee Break  |   |  |
| 10h30-12h30     | Thematic Sessions                    |  |             | INSECTS AS SOLUTIONS<br>Biocontrol and Integrated<br>pest management<br>4 | ECOLOGY & BEHAVIOR<br>Chemical Ecology of Insect<br>Interactions<br>3 | EVOLUTIONARY GENETICS<br>Unraveling phenotypic<br>plasticity |
| 12h30-12h50     | Lunch Break                          |  |             | Lunch Break   |   |  |
| 12h50-13h50     | Lunch Break                          |  |             |   |   |  |
| 13h50-14h00     | Thematic Sessions                    |  |             | INSECTS AS SOLUTIONS<br>Biocontrol and Integrated<br>pest management<br>5 | ECOLOGY & BEHAVIOR<br>Chemical Ecology of Insect<br>Interactions<br>4 | ECOLOGY & BEHAVIOR<br>Behavioral ecology<br>1                |
| 14h00-16h00     | Coffee Break                         |  |             | Coffee Break  |   |  |
| 16h00-16h30     | Thematic Sessions                    |  |             | INSECTS AS SOLUTIONS<br>Biocontrol and Integrated<br>pest management<br>6 | ECOLOGY & BEHAVIOR<br>Multitrophic interactions<br>3                  | ECOLOGY & BEHAVIOR<br>Behavioral ecology<br>2                |
| 16h30-18h30     |                                      |  |             |   |   |  |
| 20h00-23h30     | Gala Dinner                          |  |             |   |   |  |

| Friday 3 July |   | Le Vinci - Palais des Congrès de Tours |              |   |             |   |
|---------------|---|--|--------------|---|-------------|---|
| Level         |   | Level-0                                | Level-2      | Level-1   | Level-1     | Level +1                                      |
| Time / Room   | General Schedule                          |  | Hall Bourdu  | François 1er Theater  | Foyer       | Descartes Theater                             |
| 08h00-08h30   | Registration                              |  |              |   |             |   |
| 08h30-10h30   | Thematic Sessions                         |  |              | INSECTS & SOCIETY<br>Insects and Ecosystems<br>services in agriculture<br>3 |             | ECOLOGY & BEHAVIOR<br>Behavioral ecology<br>3 |
| 10h30-11h00   | Coffee Break                              |  | Coffee Break |   |             |   |
| 11h00-12h00   | Plenary Lecture 5<br>Francesco Pennacchio |  |              | Plenary Lecture 5<br>Francesco Pennacchio<br>Plant protection               |             |   |
| 12h00-13h00   | Closing ceremony                          |  |              | Closing ceremony  | Lunch boxes |   |
| 13h00-14h00   | Lunch                                     |  |              |   |             |   |

## Le Vinci - Palais des Congrès de Tours

|          |          |          |            |           |           |           |
|----------|----------|----------|------------|-----------|-----------|-----------|
| Level +1 | Level +2 | Level +2 | Level +2   | Level +2  | Level +2  | Level +2  |
| Loches   | Chinon   | Vouvray  | Courteline | Bourgueil | Montlouis | Villandry |

|  |   |  |  |   |   |  |
|--|---|--|--|---|---|--|
| BIODIVERSITY<br>Insect decline and conservation biology<br>1 | EVOLUTIONARY GENETICS<br>Genomics and evolutionary novelties<br>2 | INSECTS & SOCIETY<br>Insects and ecosystems services in agriculture<br>1 | PHYSIOLOGY & BIOCHEM.<br>Neurobiology and sensory systems<br>1 | INSECTS & SOCIETY<br>Forest entomology<br>1 | INSECTS & SOCIETY<br>Global Entomology: Strengthening N-S Cooperation | INSECTS & SOCIETY<br>Forensic entomology |
|--|---|--|--|---|---|--|

|                                |              |  |              |  |                |  |
|--------------------------------|--------------|--|--------------|--|----------------|--|
| Career 2<br>MSC Actions<br>ERC | Trivia Event |  | Open Science |  | ECE PREASIDIUM |  |
|--------------------------------|--------------|--|--------------|--|----------------|--|

|  |   |  |  |   |                                    |   |
|--|---|--|--|---|------------------------------------|---|
| BIODIVERSITY<br>Insect decline and conservation biology<br>2 | EVOLUTIONARY GENETICS<br>Genomics and evolutionary novelties<br>3 | INSECTS & SOCIETY<br>Insects and ecosystems services in agriculture<br>2 | PHYSIOLOGY & BIOCHEM.<br>Neurobiology and sensory systems<br>2 | INSECTS & SOCIETY<br>Forest entomology<br>2 | Meeting of Entomological Societies | PHYSIOLOGY & BIOCHEM.<br>Endocrinology and hormonal regulation in insects |
|--|---|--|--|---|------------------------------------|---|

|  |                            |                       |  |  |  |  |
|--|----------------------------|-----------------------|--|--|--|--|
| INSECTS & SOCIETY<br>From research to impact<br>Conservation | Tribute to Marylène Poirié | Careers in Entomology | Functional characterization of arthropod genes |  |  |  |
|--|----------------------------|-----------------------|--|--|--|--|

## Le Vinci - Palais des Congrès de Tours

|          |          |          |            |           |           |           |
|----------|----------|----------|------------|-----------|-----------|-----------|
| Level +1 | Level +2 | Level +2 | Level +2   | Level +2  | Level +2  | Level +2  |
| Loches   | Chinon   | Vouvray  | Courteline | Bourgueil | Montlouis | Villandry |

|   |   |   |   |   |                                  |  |
|---|---|---|---|---|----------------------------------|--|
| PHYSIOLOGY & BIOCHEM.<br>Insect pathology and immunity<br>1 | INSECT VECTORS<br>Vectors of plant pathogens<br>1 | INSECTS & SOCIETY<br>Biopesticides and improved formulations<br>1 | PHYSIOLOGY & BIOCHEM.<br>Insect development | ECOLOGICAL & BEHAVIOR<br>Population dynamics and modelling<br>1 | SOCIAL INSECTS<br>Apidology<br>1 | INSECTS THROUGH TIME<br>Insect Systematics in the Biodiversity Crisis<br>2 |
|---|---|---|---|---|----------------------------------|--|

|                                    |  |  |                    |                             |                                |  |
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| Career 3<br>Collaborative projects |  |  | Ethics and Welfare | Entomology in the wikispace | EB Royal Entomological Society |  |
|------------------------------------|--|--|--------------------|-----------------------------|--------------------------------|--|

|   |   |   |  |   |                                  |   |
|---|---|---|--|---|----------------------------------|---|
| PHYSIOLOGY & BIOCHEM.<br>Insect pathology and immunity<br>2 | INSECT VECTORS<br>Vectors of plant pathogens<br>2 | INSECTS & SOCIETY<br>Biopesticides and improved formulations<br>2 | PHYSIOLOGY & BIOCHEM.<br>Insect metabolism and nutrition | ECOLOGICAL & BEHAVIOR<br>Population dynamics and modelling<br>2 | SOCIAL INSECTS<br>Apidology<br>2 | INSECTS THROUGH TIME<br>Paleoentomology |
|---|---|---|--|---|----------------------------------|---|

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|--|---|--|--|---|--|--|
| EVOLUTIONARY GENETICS<br>Eco-evolutionary dynamics of host-microbiome interactions | INSECT VECTORS<br>Vectors of plant pathogens<br>3 |  | PHYSIOLOGY & BIOCHEM.<br>Insect metabolism and nutrition | ECOLOGICAL & BEHAVIOR<br>Population dynamics and modelling<br>3 |  | INSECTS THROUGH TIME<br>Archeoentomology |
|--|---|--|--|---|--|--|

|             |  |  |  |  |  |  |
|-------------|--|--|--|--|--|--|
| Gala Dinner |  |  |  |  |  |  |
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## Le Vinci - Palais des Congrès de Tours

|          |          |          |            |           |           |           |
|----------|----------|----------|------------|-----------|-----------|-----------|
| Level +1 | Level +2 | Level +2 | Level +2   | Level +2  | Level +2  | Level +2  |
| Loches   | Chinon   | Vouvray  | Courteline | Bourgueil | Montlouis | Villandry |

|   |   |   |                                       |  |  |  |
|---|---|---|---------------------------------------|--|--|--|
| INSECTS AS SOLUTIONS<br>Ecosystems services – Pollination | BIODIVERSITY<br>Species distribution<br>3 | INSECTS & SOCIETY<br>Biopesticides and improved formulations<br>3 | INSECTS & SOCIETY<br>Urban entomology | INSECTS AS SOLUTIONS<br>Ecosystems services – Soil managers and Architects |  |  |
|---|---|---|---------------------------------------|--|--|--|





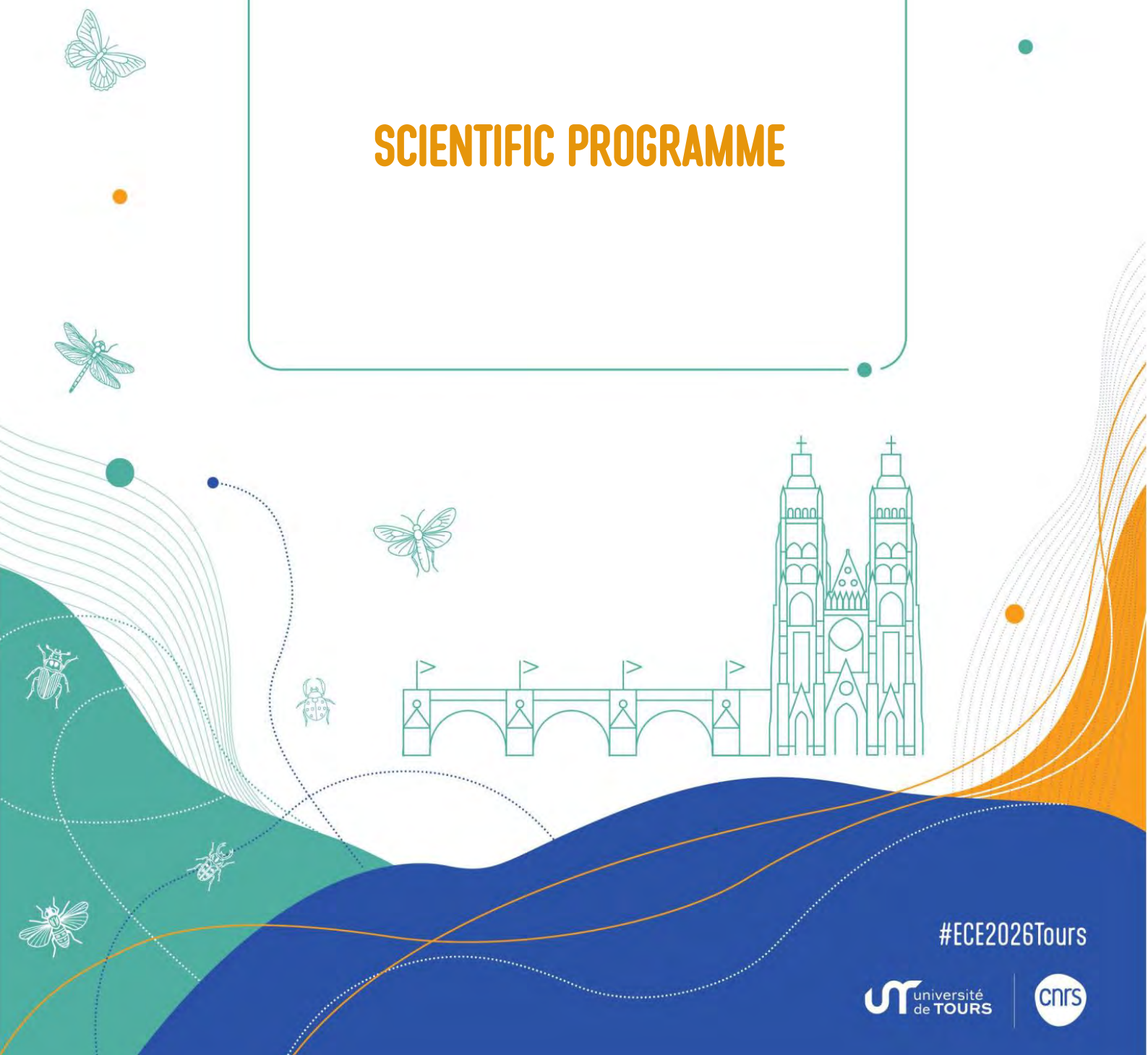


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**SHARE**  
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ENTOMOLOGY  
FOR OUR FUTURE

**SCIENTIFIC PROGRAMME**



#ECE2026Tours



## SUNDAY – 28 June

14:00-17:30 REGISTRATION *Level 0*

## MONDAY – 29 June

08:00-16:30 REGISTRATION *Level 0*

08.45-10:30 – *Francois 1er (L-1)*  
**OPENING CEREMONY**  
**PLENARY LECTURE**  
*David Giron, Elisabeth Herniou*

### 08:45 WELCOME ADDRESS

**David GIRON & Elisabeth HERNIOU** – Chairs of ECE 2026  
**Archie MURCHIE** – Chair of the ECE Praesidium  
**Daniel ALQUIER** – Vice President for Research - University of Tours (UT)  
**François CRISCUOLO** – Deputy Scientific Director – National Centre for Scientific Research (CNRS)

### 09:30 PLENARY LECTURE

**Insect physical ecology : from natural history to bioinspired technology**  
**Jérôme CASAS** – Insect Biology Research Institute, CNRS/University of Tours, France

*Hall Bourdu (L-2)*

10:30-11:00 COFFEE BREAK

11.00-13:00 – *Francois 1er (L-1)*

### ECOLOGY & BEHAVIOR

#### Chemical ecology of insect interactions

#### From molecules to ecosystems 1

*Christophe Lucas, Veronique Eparvier, Christine Beemelmans*

- 11:00 Can herbivore-induced plant volatiles really be exploited for crop protection? - **Amandine ANDRÉ**
- 11:30 Deciphering mechanisms of service plants involved in the disruption of the host plant recognition by a specialist insect herbivore - **Louise HURAUULT**
- 11:45 Semiochemicals for enhanced biological control: a lot of promise but no payoff - **Myron ZALUCKI**
- 12:00 What's my age again? Assessing the impact of stink bug egg mass age on host recognition by egg parasitoids *Trissolcus basalis* and *Trissolcus japonicus* (Hymenoptera: Scelionidae) - **Diana LA FORGIA**
- 12:15 Compounds in larval oral secretions of *Sesamia nonagrioides* determine host recognition and acceptance behaviour by its parasitoid *Cotesia typhae* - **Justine GASTÉ**
- 12:30 Clove-derived eugenol induces strong avoidance behaviour in the invasive fruit fly, *Drosophila suzukii* - **Steve B. S. BALEBA**
- 12:45 Did ecology overrides phylogeny: multilevel convergence of olfactory traits in host-parasitoid fig wasps - **Juliette BERGER**

11.00-13:00 – *Descartes (L+1)*

### GLOBAL CHANGE

#### Thermal ecology and climate change 1

*Sylvain Pincebourde, Quentin Willot, Hervé Colinet*

- 11:00 Thermal performance revisited - **Heidi MAC LEAN**

- 11:30 Uncovering the thermal niche of the Collembola *Folsomia candida*: Insights into niche breadth, genetic variation, and plasticity - **Thomas TULLY**
- 11:45 Can native bees keep pace with climate change? - **Carmen DA SILVA**
- 12:00 Adaptive evolution can mitigate the negative effects of temperature stress on plant-pollinator interactions - **Juan TRAINE**
- 12:15 Do rising nest temperatures influence pollen provisioning in the solitary bee *Osmia bicornis*? - **Elisa GOMES**
- 12:30 Facing the right direction: how topography and microclimate predict bee nesting in quarry habitats. - **William FIORDALISO**
- 12:45 Predatory mites, leaf surfaces and microhabitats - **Sophie LE HESRAN**

11.00-13:00 – *Loches (L+1)*

### EVOLUTIONARY GENETICS

#### Symbionts and insects as holobionts 1

*Ines Pons, Jean-Christophe Simon, Vincent Foray*

- 11:00 Microbial bases of folivory in beetles - **Hassan SALEM**
- 11:30 *Wolbachia* induces epigenetic and transcriptional modifications in the orthopteran *Chorthippus parallelus* (Acrididae: Gomphocerinae) - **Patricia JIMÉNEZ-FLORIDO**
- 11:45 Invasion dynamics of horizontally acquired *Wolbachia* on invasive cherry fruit fly populations - **Hannes SCHULER**
- 12:00 Co-speciation and genomic instability in the Whitefly *Portiera* symbiosis. - **Théo MANFÉ**
- 12:15 Could co-evolution explain *Wolbachia*-driven loss of pesticide resistance in spider mite populations? - **Flore ZÉLÉ**
- 12:30 Genome assembly of *Diadegma fenestrale* (Hymenoptera: Ichneumonidae), and genome integration of its symbiotic virus, DfIV - **Juil KIM**
- 12:45 Distinct *Wolbachia*-induced male-killing mechanisms in *Hypolimnas bolina* - **Hiroshi ARAI**

11.00-13:00 – *Chinon (L+2)*

### INSECT VECTORS

#### Veterinary entomology

*Fotini Koutroumpa, Emilie Boushira*

- 11:00 Modelling past, present and future vector risks in France: the example of *Culicoides* biting midges (Diptera: Ceratopogonidae), vectors of viruses of veterinary interest - **Claire GARROS**
- 11:30 "It is warm. Stay alive, stay active, and bite as much as you can" - New insights into *Culicoides imicola* activity, host preference and biting rates in the Mediterranean basin. - **Adi BEHAR**
- 11:45 Genetic structure of *Culicoides imicola* (Diptera: Ceratopogonidae), the main afro-tropical vector species of veterinary viruses, in the Indian Ocean - **Lorn RIBON-CHAUDAT**
- 12:00 Exploring phlebotomine sand flies' communities in residential areas of Southern Europe through a citizen science approach. - **Claudio ROSSI**
- 12:15 One Health Approach to Crimean-Congo Hemorrhagic Fever Virus Detection in Livestock and Ticks in 2020 and 2025 in Tanzania - **Erin HOWELL**
- 12:30 Using equine VOCs to diagnose endoparasite infestations - **Fotini KOUTROUMPA**
- 12:45 Coordinating a One Health framework for plant health, crop protection and vector management - **Archie MURCHIE**

11.00-13:00 – *Vouvray (L+2)*

### ECOLOGY & BEHAVIOR

#### Multitrophic interactions 1

*Stéphane Boyer, Michael Rostas, Nuria Agustí*

- 11:00 Illumina sequencing combined with taxonomy to unravel the surprising complexity of pecan canopy arthropod communities - **Jason SCHMIDT**

- 11:30 **A tiny omnivore with multitrophic impact: *Pronematus ubiquitous* activates plant-mediated resistance and directly suppresses a tomato pest and pathogen** - [Lore VERVAET](#)
- 11:45 **A meta-analysis of the impact of predator cocktails on the suppression of herbivorous arthropods** - [Enric FRAGO](#)
- 12:00 **Close Encounters in the Azores Atlantic Islands: Arthropod-Invasive Plant Multitrophic Interactions** - [Lurdes BORGES SILVA](#)
- 12:15 **Amplicon sequencing reveals Diptera, parasitoids, and microbial associations inside mushroom sporocarps** - [Michal KOCHANOWSKI](#)
- 12:30 **Predator-induced stress increases insects' feeding rates in grasslands along elevation gradients** - [Baptiste BOVAY](#)
- 12:45 **Differential effects of baculovirus and parasitism on plant defense induction by specialist and generalist herbivores** - [Rosa Esmeralda BECERRA GARCÍA](#)

11.00-13:00 – *Courtelaine* (L+2)

## BIODIVERSITY

### Insect monitoring

#### Smart traps, monitoring systems and innovative infrastructure in field entomology 1

*Meng li, Christophe Bouget*

- 11:00 **Automated insect monitoring with camera traps is transforming ecological understanding** - [Toke T. HØYE](#)
- 11:30 **Automated Insect Identification Machine for spruce bark beetles** - [Viki WEBSTER](#)
- 11:45 **A trap-mounted automated imaging system** - [Markus KRAMER](#)
- 12:00 **Imaging Dried and Wet Invertebrates from Multiple Perspectives and 3D Modeling** - [Christian PYLATIUK](#)
- 12:15 **From Trap to Cloud: Autonomous Vision-Based Monitoring of the Olive Fruit Fly (*Bactrocera oleae*)** - [Flora MORENO ALCAIDE](#)
- 12:30 **Loud and clear! Towards wild bee acoustic monitoring** - [Fernanda HERRERA-MESÍAS](#)
- 12:45 **Remote laser assessment of micro- and nano features for insect diversity** - [Meng LI](#)

11.00-13:00 – *Bourgueil* (L+2)

## INSECTS & SOCIETY

### Entomological education and citizen science in entomology

*Bastien Castagneyrol, Marteen de Groot*

- 11:00 **The value of purposeful Citizen Science for insect monitoring, action and engagement** - [Michael POCOCK](#)
- 11:30 **Insect Investigators: a school based citizen science project transforming insect education, Australian (wasp) taxonomy and biodiversity data** - [Andy HOWE](#)
- 11:45 **The Spipoll citizen-science programme: ecological and social findings from more than 15 years of experience monitoring plant-visitor interactions in France.** - [Nicolas DEGUINES](#)
- 12:00 **A citizen science program as an educational tool for understanding the relationships between pollinating insects and plants** - [Simon BÉNATEAU](#)
- 12:15 **BOB: a citizen science initiative for studying eto-ecological traits of stag beetles** - [Alice LENZI](#)
- 12:30 **Beyond distribution maps: what citizen science reveals about protected insect species** - [Alessandro CAMPANARO](#)
- 12:45 **Arthropods on the world-wide web: generating social-ecological insight with internet search volume data to estimate abundances, distributions and public perceptions** - [Jordan CUFF](#)

11.00-13:00 – *Montlouis* (L+2)

## EVOLUTIONARY GENETICS

### Genetic variation and selection in insect populations

*Bart Pannebakker, Pablo Librado*

- 11:00 **Variation in variation: the benefits (and costs) of genetic diversity in insect populations** - [Kelley LEUNG](#)
- 11:30 **Assessing human impacts on the genomic diversity of honey bees** - [Thibault LEROY](#)
- 11:45 **Host-plant specialization and adaptation to agricultural practices in the *Ostrinia* corn borers** - [Vincent CALCAGNO](#)
- 12:15 **Phylogeny of Coelopidae seaweed flies and evolution of wing polymorphism** - [Dominique HICKS](#)
- 12:30 **Phylogenomic characterisation of insecticide detoxifying genes in parasitoid wasps** - [Chung Laam TSUI](#)
- 12:45 **Functional Analysis of Genetic Variation in an HR96-Related Nuclear Receptor Highlights Its Role in Detoxification Gene Regulation in a Major Crop Pest** - [Mathijs HERPOEL](#)

11.00-13:00 – *Villandry* (L+2)

## SOCIAL INSECTS

### Parental care 1

*Joël Meunier, Maximilian Körner, Jos Kramer*

- 11:00 **Chemical communication at the heart of family life: insights from burying beetles** - [Sandra STEIGER](#)
- 11:30 **How insect parents optimise provisioning in a changing world** - [James GILBERT](#)
- 11:45 **Maternal care, brood effects, and novel application of the Hinde Index in the cockroach *Blattella germanica*** - [Georgia CASH](#)
- 12:00 **Lifelong effects of parental care on adult traits in the burying beetle** - [Sheena COTTER](#)
- 12:15 **GWAS of indirect genetic effects and parental care in *Nicrophorus orbicollis*** - [Kyle BENOWITZ](#)
- 12:30 **Immune cost of maternal care towards eggs and juveniles in the European earwig** - [Simon DE WEVER](#)
- 12:45 **Parental care in communal carrion beetles *Nicrodes littoralis* (Staphylinidae: Silphinae)** - [Szymon MATUSZEWSKI](#)

*Hall Bourdu* (L-2)

13:00-14:30 **LUNCH BREAK**

12:50-13:50 – *Montlouis* (L+2)

## SATELLITE MEETING - Editorial board

### Entomologia Experimentalis et Applicata

*Leo Beukeboom*

14.30-16:30 – *Francois 1er* (L-1)

## ECOLOGY & BEHAVIOR

### Chemical ecology of insect interactions From molecules to ecosystems 2

*Christophe Lucas, Veronique Eparvier, Christine Beemelmans*

- 14:30 **Protective Symbiosis in Insect Systems** - [Christine BEEMELMANS](#)
- 15:00 **How pheromone detection evolves: lessons from weevil odorant receptors** - [Nicolas MONTAGNÉ](#)
- 15:15 **Hidden Chemists: How *Stenamma* Ants Synthesize Nicotinic Alkaloids?** - [Eva VANDENBROUCKE-MENU](#)
- 15:30 ***Gasterophilus intestinalis* Chemical Ecology** - [Fotini KOUTROUMPA](#)
- 15:45 **Molecular basis of aggregation pheromone biosynthesis in spruce bark beetle *Ips typographus* a target for gene-level manipulation of pest behavior** - [Anna JIROSOVA](#)

- 16:00 Electrophysiological and Behavioural Responses of *Ips typographus* to Fungal Volatiles from *Beauveria bassiana* - [Keerthana MOHAN](#)
- 16:15 Uncovering the chemosensory repertoire of *Ips typographus* Larvae: annotation and gene expression profiling - [Anna MAGNUSSON](#)

14.30-16:30 – Descartes (L+1)

## GLOBAL CHANGE

### Thermal ecology and climate change 2

*Sylvain Pincebourde, Quentin Willot, Hervé Colinet*

- 14:30 Is Geographic Variation in upper Critical Thermal Limits Related to Temperature or Precipitation? - [Cameron GHALAMBOR](#)
- 15:00 Thermal adaptation and seasonal dynamics amplify projected effects of climate warming on crop losses to insect pests - [Loke VON SCHMALENSEE](#)
- 15:15 From First to Second: Environmental temperature and reproductive investment trajectories - [Jakob WIILL](#)
- 15:30 Feeling the urban heat - From the limits of thermoregulation to the consequences for larval development in bumble bee colonies - [Jade ZANUTTO](#)
- 15:45 Impact of heat waves on colony foundation in ants - [Alice ROUX](#)
- 16:00 Does heat stress induce transgenerational effect on worker behaviour in the ant *Lasius niger*? - [Sophie VAN MEYEL](#)
- 16:15 Can bumble bees take advantage of dietary antioxidants to face thermal stress? - [Maryse VANDERPLANCK](#)

14.30-16:30 – Loches (L+1)

## EVOLUTIONARY GENETICS

### Symbionts and insects as holobionts 2

*Ines Pons, Jean-Christophe Simon, Vincent Foray*

- 14:30 Extreme genome reduction and evolutionary dynamics of planthopper symbionts - [Anna MICHALIK](#)
- 15:00 Molecular and cellular basis of whitefly-bacteria symbiosis - [Jun-Bo LUAN](#)
- 15:15 The role of gut microbiota in insecticide resistance of *Spodoptera frugiperda* - [Julie SÉNÉCAL](#)
- 15:30 Bacterial endosymbionts and the evolution of sex determination in the isopod *Armadillidium vulgare* - [Richard CORDAUX](#)
- 15:45 Drivers of "Candidatus Symbiodolus" infection in leaf beetles of *Cryptocephalus flavipes* species group - [Giulia MAGOGA](#)
- 16:00 Imperfect vertical transmission of the highly diverse gut microbiota of termites: causes and consequences - [Franck DEDEINE](#)
- 16:15 Sequestration of a pro-viral protein from *Aedes aegypti* by the *Wolbachia* surface protein may contribute to dengue virus-blocking - [Sassan ASGARI](#)

14.30-16:30 – Chinon (L+2)

## INSECT VECTORS

### Medical entomology 1

*Claudio Lazzari, David Roiz*

- 14:30 Field entomological research towards implementation of gene-drive based malaria control - [Joao PINTO](#)
- 15:00 Metabolic resistance of the tiger mosquito to pyrethroid insecticides in La Réunion Island likely results from local adaptation - [Jean-Philippe DAVID](#)
- 15:15 The Snapshot Mosquito Survey: a stratified approach to sampling mosquito biodiversity and arbovirus risk across England's wetlands. - [Bathsheba GARDNER](#)
- 15:30 UK Nationwide Wetland Mosquito Programme - [Anthony ABBOTT](#)
- 15:45 Advancing Sustainable Solutions for Genetic Vector and Pest Control - [Alessandra BOITI](#)
- 16:00 Suppressive gene drives and genetic methods to limit them - [Chrysanthi TAXIARCHI](#)
- 16:15 Spread of Invasive *Aedes* Species on the Northern Black Sea Coast - [Kseniia SYCHEVA](#)

14.30-16:30 – Vouvray (L+2)

## ECOLOGY & BEHAVIOR

### Multitrophic interactions 2

*Stéphane Boyer, Michael Rostas, Nuria Agusti*

- 14:30 Assessing invertebrate trophic networks through the lens of DNA: current state of the art and a look into the future - [Michael TRAUGOTT](#)
- 15:00 From Leaf Mines to Food Webs: Resolving Plant-Insect-Parasitoid Networks with Long-Read DNA Barcoding - [Antonio HERNANDEZ-LOPEZ](#)
- 15:15 Assessing the potential of conservation biological control in fruit orchards using metabarcoding diet analysis - [Runa GIDSKE](#)
- 15:30 Trophic cascades driven by invasive alien plants: consequences for aphid-parasitoid system - [Emma PLUCHARD](#)
- 15:45 Impact of Tillage on Trophic Interactions in Carabid Communities and Their Implications for Biological Control - [Philippe BELLiard](#)
- 16:00 Sample type drives dietary reconstruction in the endangered alpine bush-cricket *Anonconotus italoaustriacus* - [Laura MARETTO](#)
- 16:15 eDNA in applied Entomology - [Christian BADEN](#)

14.30-16:30 – Courteline (L+2)

## BIODIVERSITY

### Insect monitoring

### Smart traps, monitoring systems and innovative infrastructure in field entomology 2

*Meng li, Christophe Bouget*

- 14:30 Megabarcoding for Insect Monitoring: Linking Specimens, Images, and Sequences to Build Biodiversity Baselines - [Vivian FENG](#)
- 15:00 Enhancing wood-boring beetle surveillance through innovative traps and AI-driven image identification - [Davide RASSATI](#)
- 15:15 Combining Computer Vision AI and DNA Barcoding for High-Throughput Invertebrate Specimen Processing - [Jarrett BLAIR](#)
- 15:30 Molecular monitoring of terrestrial biodiversity: towards a national long-term monitoring system - [Lucas SIRE](#)
- 15:45 Is the answer blowin' in the wind? Insect taxonomic coverage and biases of a passive airborne eDNA sampling method - [Jordi VILANOVA](#)
- 16:00 Advancing Entomological Biomonitoring with Metabarcoding: a Case for Assessing Agri-Environment Schemes (AES) - [Ben HAWTHORNE](#)
- 16:15 A world on every plant - Plant-derived eDNA reveals fine-scale arthropod community structure in grasslands - [Lisa MAHLA](#)

14.30-16:30 – Bourgueil (L+2)

## INSECTS AS SOLUTIONS

### Biomimeticism - From biological to bio-inspired photonic materials

*Vinod Saranathan, Bodo Wilts*

- 14:30 Insect Inspired Structural Colour - [Ulrich STEINER](#)
- 15:00 The arthropod cuticle: Materials toolbox for functional diversity - [Yael POLITI](#)
- 15:15 Under the Surface: A Novel 2.5-Dimensional Photonic Structure in Fiddler Beetles - [Nicola Kubzdelá](#)
- 15:30 UV reflectance and scale ultrastructure in *Eriogaster catax* (Lepidoptera: Lasiocampidae) - [Lorenzo GIULIVI](#)
- 15:45 Reverse engineering the Christmas beetle (*Anaplognathus aureus*) - towards creation of structural gold colouration - [Mia WANSBROUGH](#)
- 16:00 When is a simple chitin multilayer not a simple chitin multilayer? - [Jeton KOXHA](#)
- 16:15 A genetic dive into how UV-iridescent butterfly wings make multilayered interference filters - [Arnaud MARTIN](#)

14.30-16:30 – Montlouis (L+2)

## INSECTS THROUGH TIME

### Museomics

Jérémy Gauthier

- 14:30 **Assessing domestication theories in novel edible insect species through museomics and modern genomics** - Pablo LIBRADO
- 15:00 **Using museum genomics to guide conservation of the Apollo butterfly in Central Europe** - Tomasz SUCHAN
- 15:15 **Over the ocean and beyond - phylogeny and zoogeography of the genus *Euchromia* Hübner, 1819 revealed by museomics (Lepidoptera: Noctuoidea: Erebiidae: Arctiinae)** - Marcin WIOREK
- 15:30 **Integrating genetic data from contemporary and museum specimens to assess population vulnerability in an iconic mountain butterfly through an approach of hybridization-capture** - Flora LAMBERT-AUGER
- 15:45 **Enhancing phylogenetic inferences with museum specimens using a new method of Genome Alignment-Based Bait Inference and its application to the largely understudied tribe of Ochyromerini weevils** - Benjamin ZELVELDER
- 16:00 **Two evolutionary pathways to parasitoidism of errant spiders in Darwin wasps** - Tamara SPASOJEVIC
- 16:15 **Assessing the start of a Transposable Element invasion European lepidoptera genomes using museomics** - Noé DOGBO

14:30-16:30 – Villandry (L+2)

## SOCIAL INSECTS

### Parental care 2

Joël Meunier, Maximilian Körner, Jos Kramer

- 14:30 **Evolution of parental care in harvestmen (Arachnida: Opiliones): lessons from an eight-legged world** - Glauco MACHADO
- 15:00 **Parenting under pressure: how resources and rivals shape biparental care in burying beetles** - Tom RATZ
- 15:15 **Can plasticity in provision of parental care help burying beetles sustainably manage competition for resources with microbes?** - Nick ROYLE
- 15:30 **HotSecretions: Effect of heat stress on burying beetle secretions** - Camila ZENOBI
- 15:45 **Effects of thermal stress on parental care in burying beetles** - Natalie PILAKOUTA
- 16:00 **Males make worse mothers: Parental care pattern shapes offspring immunity in burying beetles** - Leon MÜLLER
- 16:15 **Disentangling the microbial selective pressures on parental care in the burying beetle *Nicrophorus vespilloides*** - Chung-Fan CHANG

Hall Bourdu (L-2)

16:30-18:30

### ICE BREAKER

Beer, Pastries & Posters

17:00-18:00 – Francois 1er (L-1)

## EU-FUNDED PROGRAMMES 1

### COST Networks

From Insects to Impact  
Building Powerful COST Collaborations

David Giron

- 17:00 **Inside COST actions: How they work and how to make them work for you** - Federica ORTELLI
- 17:15 **CA22129 – InsectAI – Using Image-based AI for Insect Monitoring & Conservation** - Toke Thomas HØYE
- 17:20 **CA23122 – 10kLepGenomes – Utilizing 10,000 genomes of European Lepidoptera** - Pedro RIBEIRO
- 17:25 **CA23127 – GIN-TONIC – Group on Insect Nutrition: To Open Nutritional Innovative Challenges** - Jeroen DE SMET

- 17:30 **CA22140 – Insect-IMP – Improved Knowledge Transfer for Sustainable Insect Breeding** - Pablo LIBRADO
- 17:35 **CA22102 – E-Niche – European Network In CHEmical Ecology: translating the language of life into sustainability** - David GIRON
- 17:40 **General discussion**

17:00-18:00 – Chinon (L+2)

## RESEARCH FRONTIERS IN INSECT SCIENCE 1

### Institut Pasteur - From lab to field –

### A new centre for vector-borne diseases

Sarah Merklng

- 17:00 **Welcome and overview of the CMTV** - Sarah MERKLING
- 17:10 **Imaging of malaria parasites inside the mosquito and their neutralization after skin inoculation** - Rogério AMINO
- 17:20 **Arbovirus vectors** - Sarah MERKLING
- 17:30 **The sand fly midgut as the natural site for *Leishmania* sexual hybridization: Insights from *in vitro* and *in vivo* models** - Isabelle LOURADOUR
- 17:40 **Why study ticks and tick-borne pathogen transmission?** - Sarah BONNET
- 17:50 **Through the dark continent: African trypanosome development in the tsetse fly** - Brice ROTUREAU

17:00-18:00 – Bourgueil (L+2)

## RESEARCH FRONTIERS IN INSECT SCIENCE 2

### Long-term perspectives on the biomimetics of

### multi-functional interfaces

Vinod Saranathan, Bodo Wilts

- 17:00 **Biomimetics of hierarchical mesoscopic structuration in insect scales** - Vinod Kumar SARANATHAN
- 17:15 **Amorphous photonic networks in insect cuticles** - Bodo WILTS
- 17:30 **General discussion**

17:00-18:00 – Villandry (L+2)

## RESEARCH FRONTIERS IN INSECT SCIENCE 3

### Discussing a recurring meeting on insect

### parental care

Jos Kramer, Joël Meunier, Max Körner

- 17:00 **Introduction** - Joël MEUNIER
- 17:10 **General discussion**

17:00-18:30 – Descartes (L+1)

## SCREENING EVENT

### Caterpillar: A story of a survivor

a film by Hans Smid

Bregje Weirtheim, Elisabeth Herniou

16:30-18:30 – Hall Bourdu (L-2)

## POSTER SESSION 1

### Beer & Pastries

- M001 **From Conventional to Smart: An Automated Probe Trap System for Stored-Product Insect Monitoring** - Paraskevi AGRAFIOTI
- M002 **Dark spots in the blue: a new workflow to investigate elytral pattern in the long-horn beetle *Rosalia alpina* (Linnaeus, 1758)** - Alessandro CAMPANARO
- M003 **Development of DNA Barcodes for biodiversity and biosecurity: filling a gap for the Romanian fauna** - Maria-Magdalena DASCALU (FUSU)
- M004 **Non-lethal identification of a species considered difficult to identify in the field: the case of *Dasyptera morawitzi* (Hymenoptera: Melittidae)** - Daphné DEMAZIER
- M005 **Evaluation of Pheromone Trap Performance and Pest Management Effectiveness in Local Food Storage Facilities in Bangladesh** - MD. MAHBUB HASAN

- M006 A Red-Light Time-Lapse Camera Trap (miniMon-Red) for Continuous Field Monitoring of Earthworm Behavior - [Zixuan HE](#)
- M007 CRISPR-Cas aided detection of pest- and beneficial insects in agricultural landscapes using eDNA approaches - [Christopher HEINE](#)
- M008 Three-Year Evaluation of Mass Trapping and Attract and Kill Systems for Olive Fruit Fly Management in Pilot Olive Orchards in Crete, Greece - [IOANNIS KOUFAKIS](#)
- M009 Comparison of several biological matrices for studying wild bee diversity using metabarcoding - [Anaïs MARQUISSEAU](#)
- M010 Influence of transport on *Eldana saccharina* (Lepidoptera: Pyralidae) fitness for sterile insect technique applications - [Shilombe Tess MATHONSI](#)
- M011 INVGuild: enhancing invertebrate biodiversity assessment through functional classification - [Matteo MONTAGNA](#)
- M012 Biodiversity in vineyards: the importance of trapping techniques for its assessment - [Jérémy ROLLIN](#)
- M013 Characterizing elusive and larval insect diversity from tree cavities using complementary molecular tools - [Lucas SIRE](#)
- M014 Advancing pollinator monitoring: Two years of automated data collection using Insect Detect systems in Transylvanian semi-natural grasslands (Cluj, Romania). - [Natalia TIMUS](#)
- M015 Effect of Radio-Frequency Electromagnetic Fields on Insect Presence, Population Fluctuation, and Biodiversity: Preliminary Insights from the ETAIN Project - [Antonios TSAGKARAKIS](#)
- M016 Incidence and severity of mealybugs (*Pseudococcus* spp.) and soft scale insects (*Ceroplastes* spp.) in soursop (*Annona muricata*) agroecosystems of the Ecuadorian Amazon - [Segundo VALLE RAMÍREZ](#)
- M017 IDMBIO: A Platform for the Molecular Characterization of Biological Agents and Pests - [Ionela-Madalina VICIRIUC](#)
- M018 A validated European database of wild bees and hoverflies to support large-scale entomological research - [Jordan BENREZKALLAH](#)
- M019 High Resolution Habitat Suitability Modelling of Grassland Butterfly Index Species for Spatial Planning of the Management of Natural Capital: A Case Study from Latvia - [Jekaterina BUTKEVICA](#)
- M020 Effects of forest disturbances on ground dwelling arthropods and saproxylic beetle communities - [Matilde CASE](#)
- M021 Ecology and Taxonomy of Limoniinae (Diptera) crane fly of Italy - [Pasquale CILIBERTI](#)
- M022 Mosquitoes (Diptera: Culicidae) and biting midges (Diptera: Ceratopogonidae: Culicoides) in the diverse mangrove forests surrounding Cayenne in French Guiana - [Médie COLLET](#)
- M023 Directional Reassembly Pathways of European Carabidae Communities Inferred from Biased Occurrence Records and Environmental Time Series - [Yuno DO](#)
- M024 An exotic ornamental shrub promotes the proliferation of the invasive fruit fly *Drosophila suzukii* at the end of winter season over a wide geographic gradient - [Mattéo DORVILLE](#)
- M025 Clues to a species complex: biological, morphological, genetic, and distributional patterns in *Neoleucopis* spp. linked to *Marchalina hellenica* across Greece and Italy - [Nikoleta ELEFThERiADOU](#)
- M026 Can ambrosia beetle community in chestnut-growing areas be affected by environmental drivers? - [Chiara FERRACINI](#)
- M027 New data on the distribution and genetic diversity of *Osmoderma barnabita* (Coleoptera: Scarabaeidae) in Romania - [Lucian HANCEANU](#)
- M028 Effect of different land-use types on the diversity and composition of ants in the foothills of the Soutpansberg Mountains - [Zabentungwa HLONGWANE](#)
- M029 Taxonomy of the Family Fanniidae (Diptera: Muscoidea) from Korea - [Sera KANG](#)
- M030 DNA-based characterization of benthic fauna in Kibune and Kumogahata, the tributary streams of Kamo River system, Kyoto, central Japan - [MIKIO KATO](#)
- M031 Spatiotemporal dynamics of mosquito communities revealed by long-term monitoring in Slovenia - [Tea KNAPIC](#)
- M032 Metabarcoding of pollen carried by insect pollinators along altitudinal gradients in a protected area of Northern Italy. - [Serena MAGAGNOLI](#)
- M033 *Epicauta chinensis* Laporte (Coleoptera:Meloidae), a new alien species in south of Romania - [Traian MANOLE](#)
- M034 Insect biodiversity in vineyard under organic and integrated management: a multi-year analysis and the role of the Typhlocybinae microbiome - [Marco MANTA](#)
- M035 Native parasitoids regulating the alien invasive leafminer *Aspilanta oinophylla* in vineyards of southern Switzerland - [Dominique MAZZI](#)
- M036 Albanian Chrysomelidae (Coleoptera): new faunistic records, DNA barcode library and redescription of *Luperus flaviceps* - [Matteo MONTAGNA](#)
- M037 Taxonomic diversity and functional traits of winged insects along an altitudinal gradient of the foggy forest in chicaque natural park (cundinamarca, Colombia) - [Alejandro PIÑEROS PARAMO](#)
- M038 Scale-dependent landscape effects on whitefly natural enemies in southeastern U.S. agroecosystems - [Sarah REZENDE](#)
- M039 Acquiring New Ecological Niche Knowledge from High-resolution Habitat Suitability Models: A Case Study of *Laphria gibbosa* and *Laphria flava* in Latvia - [Vita ŠAKELE](#)
- M040 Population dynamics and habitat-associated occurrence of *Erasmoneura vulnerata* (Hemiptera: Cicadellidae) in vineyard agroecosystems - [Ankica SARAJLIC](#)
- M041 Structure of leaf miner communities along an elevational gradient in eastern tropical Andes - [Carlos LOPEZ VAAMONDE](#)
- M042 Arable land abandonment enhances ground beetles diversity and natural pest control - [Silva VILUMETS](#)
- M043 Unveiling the hidden genetic diversity and broad distribution of paedogenetic gall midges of the genus *Heteropeza* (Diptera: Cecidomyiidae) in Japan - [Fumito YANO](#)
- M044 Methodology and conservation methods of endangered butterfly species in Central Europe - [Katerina VERISOVA](#)
- M045 Can knowing the future influence our decisions? The effect of the olfactory environment on patch exploitation strategies in the parasitoid *Venturia canescens* - [Marlène GOUBAULT](#)
- M046 When pesticides mimic octopamine: consequences for aggression in a beneficial parasitoid species - [Angèle NOURTIER](#)
- M047 Elucidating the Role of Floral and Herbivore-Induced Volatiles in *Maruca vitrata* Oviposition Behavior and Natural Enemy Attraction: Implications for Semiochemical-Based Pest Management in Cowpea (Vign - [Olivia Frimponmaa ADDAI](#)
- M048 Region-specific sexual communication patterns in the globally invasive pest *Spodoptera frugiperda* - [Mobolade AKINBULUMA](#)
- M049 Pheromone mediated trapping and Management of the Oil palm beetle *Rhynchophorus phoenicis* - [Thomas ANENI](#)
- M050 Two olfactory receptors exhibit overlapping tuning breadth in *Spodoptera littoralis* - [Abhinob BARUAH](#)
- M051 Chemical ecology of host alternation in aphids: insights into plant cues associated with nutritional polyphenism - [Gauri BINAYAK](#)
- M052 Assessing the impact of bacterial strain variation in human attractiveness to mosquitoes - [Mitchel BOURNE](#)
- M053 The Scent of Growing Up: Dynamic Larval Profiles in a Beetle With Parental Care - [Meryellen CAVALCANTI](#)

- M054 **Chemical mating disruption to control *Cacopsylla pyri* L. (Hemiptera: Psyllidae): study of the pheromone activity of four cuticular hydrocarbons** - [Stefano CIVOLANI](#)
- M055 **Indirect pesticide exposure through woolly apple aphid honeydew on the parasitoid *Aphelinus mali*** - [Alessia CONCI](#)
- M056 **Toward a better understanding of the role of olfaction in the foraging ecology of carabids** - [Pierre GENDRON](#)
- M057 **Application of Mating Disruption for *Rusicada privata*, a Major Pest of *Hibiscus syriacus* in Urban Forests** - [Junheon KIM](#)
- M058 **A repellent plant to regulate sap-feeders: Testing the continuum trait-function-service from the lab to the field** - [Anne-Violette LAVOIR](#)
- M059 **Signalling or surviving? Insect cuticular hydrocarbons and same-sex sexual behaviour under heat stress** - [Solène MORELLE](#)
- M060 **Skin microbes, volatiles, and vector behaviour: A strain-level perspective** - [Yulisa MORENO PATIÑO](#)
- M061 **Chemical Characterisation of Fly Species Used by Wild Chimpanzees during Wound Care** - [Thorben OHNESORGE](#)
- M062 **Field and transcriptomic evaluation of herbivore-induced plant volatiles for sustainable citrus aphid management** - [Raul ORTELLS FABRA](#)
- M063 **Repellent potential of clove and lemongrass essential oils against *Halyomorpha halys* (Hemiptera: Pentatomidae)** - [Ivana PAJAC ŽIVKOVIC](#)
- M064 **Essential Oils and Beneficial Predators: Evaluating Their Compatibility in IPM Strategies** - [Marina ROSENTHAL PEREIRA LIMA](#)
- M065 **Reconstructing the morphological and chemical evolution of the prothoracic repellent glands in stick and leaf insects (Phasmatodea)** - [Thomas SCHMITT](#)
- M066 **Chemical cues driving early-season colonization of oilseed rape fields by the cabbage stem flea beetle** - [Nicolas SLOMIANY](#)
- M067 **Wing-beat frequency of Asian hornets determined by their unique 24 GHz micro-Doppler radar signature** - [Herbert AUMANN](#)
- M068 **Optimising the placement of yellow sticky traps for effective field monitoring of chicory leaf miner (*Phytomyza cichorii*) in witloof chicory (*Cichorium intybus* var. *foliosum*)** - [Klaartje BUNKENS](#)
- M069 **Kinematic reconstruction and dynamical analysis of micro-insect flight: High-speed videography and tracking.** - [Sergey FARISENKOV](#)
- M070 **Density-dependence and inter-individual variation of movement strategies in the biocontrol agent *Trichogramma brassicae*** - [Yuan GAO](#)
- M071 **New optical measurement method for egg geometry and volume of microscopic ovoids** - [Sophie LE HESRAN](#)
- M072 **Evaluation of field dispersal of the alfalfa weevil adults using albumin as a marking agent** - [Alexandre LEVI-MOURAO](#)
- M073 **Deep learning-assisted identification of the hazelnut mite *Phytoptus avellanae* for improved pest management** - [Roberto MASTURZI](#)
- M074 **Real-time imaging and quantification of ant's trail pheromone deposits** - [Laure-Anne POISSONNIER](#)
- M075 **Automating area-wide insect monitoring** - [Matej STEFANCIC](#)
- M076 **Genetic components and transcriptomic basis of worker personality in the Argentine ant** - [Marco CAMGUILHEM](#)
- M077 **Ecological insights into *Vespa mandarinia*: dietary habits, nesting sites, natural enemies, and inquilines** - [Moon Bo CHOI](#)
- M078 **Determinants of variability in the predatory stress responses of honey bees** - [Alice DURAND](#)
- M079 **High-resolution tracking using machine-learning reveals the spatiotemporal dynamics of social immunity in *Reticulitermes flavipes*** - [Özge KILIC](#)
- M080 **Predator loss (*Tamandua mexicana*) shapes colony-level defense investment in a neotropical termite (*Nasutitermes corniger*)** - [Emily MARPLE](#)
- M081 **Characterizing the behavioral response of ant queens to larvae** - [Malo THÉVENIN](#)
- M082 **Why does he care? Repeatable differences of male behaviors and sexual conflict resolution in biparentally caring beetles** - [Maximilian KÖRNER](#)
- M083 **Heat stress disrupt maternal care through independent effects on mothers and eggs** - [Joël MEUNIER](#)
- M085 **Body size responses of *Orius laevigatus* to maternal and transgenerational thermal history** - [Ana Belén ABELAIRA ROS](#)
- M086 **Frequencies of sex determination factors in Italian housefly populations** - [Leo BEUKEBOOM](#)
- M087 **Incomplete resistance of fall armyworm, *Spodoptera frugiperda* to dual-gene Bt maize** - [Jenny Paola CORREDOR PRADO](#)
- M088 **Genetic Diversity Dynamics in Wild and Domesticated Populations of the Black Soldier Fly (*Hermetia illucens*)** - [Armel DONKPEGAN](#)
- M089 **How does genetic variation drive predator-prey dynamics?** - [Inês FRAGATA](#)
- M090 **Evaluation of the Population Genetic Parameters for Sterile Insect Technique Application of Mediterranean Fruit fly, *Ceratitis capitata* (Wiedemann, 1824) (Diptera:Tephritidae) in Türkiye** - [BURCU INAL](#)
- M091 **Same Species, Different Colors: Insights into *Bombus niveatus* Kriechbaumer, 1870 Morphological and Genetic Concordance** - [Kerem KALELI](#)
- M092 **Evolutionary genome dynamics in malaria vector *Anopheles coluzzii* during laboratory colonization** - [Jaroslaw KRZYWINSKI](#)
- M093 **Phylogeography and local adaptation of a widespread butterfly** - [Tan PHAM](#)
- M094 **Genetic basis of resistance to dual-gene Bt maize in fall armyworm, *Spodoptera frugiperda*** - [Oscar Fernando SANTOS AMAYA](#)
- M095 **Expanding the Field of View : Region-Specific Extraction for Target-Site Resistance Discovery in Insects** - [Christoph ZIMMER](#)
- M096 **Characterization of piRNA pathway in the parasitoid wasp *Cotesia congregata* and impact on its endogenous bracovirus** - [Thibaut JOSSE](#)
- M097 **Geographical screening of a novel transposable element (Helitron Hc35) invasion in the Pararge butterfly complex** - [Lois VANDENBERGHE](#)
- M098 **The Endosymbiont Consortia of Two Cixiidae Planthoppers Reveal an Ancient Symbiosis With 'Candidatus *Mirabilia Symbiotica*'** - [Bessem CHOUAIA](#)
- M099 **Assessing Supply and Demand Within Symbiosis: Metabolic Economics in the Pea Aphid-Buchnera Interaction** - [Léo GERLIN](#)
- M100 **Molecular mechanisms of thermal plasticity and acclimation in aphid holobionts** - [Mélanie Denise HUGUET](#)
- M101 **Viral spillover and strain turnover in a parasitoid biocontrol agent** - [Sarah INWOOD](#)
- M102 **Functional Prediction of the Gut Microbiome in *Vespa mandarinia* Based on Long-Read 16S rRNA Sequencing** - [Jun Yang JEONG](#)
- M103 **Until death do us not part: microbiota-pathogen interactions beyond host death** - [Maryam KESHAVARZ](#)
- M104 **Bee-yond genomes: reusing large-scale sequencing data to metagenomically explore the honey bee holobiont** - [Thibault LEROY](#)
- M105 **Microbiota changes in the Olive Fruit Fly *Bactrocera oleae* driven by antimicrobial treatments of egg-infested olives** - [Laura MARETTO](#)
- M106 **Microbial Abundance and Diversity in Parasitic Hymenoptera** - [Shayan NAEEM](#)
- M107 **Symbiotic communities of *Planococcus ficus* (vine mealybug) from two vineyards varieties** - [Diego SANTOS GARCIA](#)
- M108 **Temporal and spatial dynamics of *Wolbachia* prevalence in *Drosophila suzukii* populations from France** - [Svitlana SERGA](#)

- M109 *Wolbachia* as a key player in a model butterfly for research on speciation and chromosomal evolution - [Eric TORO DELGADO](#)
- M110 Recovering plant-associated arthropod communities by eDNA metabarcoding historical herbarium specimens - [Manuel STOTHUT](#)
- M111 Ornamental plant trade: an active pathway for alien ant introductions in France - [Romane BLAYA](#)
- M112 Reassessing the Parasitoid Assemblage of *Rhagoletis cerasi* in Europe to Support Proactive Classical Biological Control in the U.S.A. - [Marie-Claude BON](#)
- M113 Integrated Pest Management for Wood-Boring Beetles Introduced into Europe - [Alicia BRAY](#)
- M114 Monitoring of invasive Auchenorrhyncha species in Romanian vineyards - [CONSTANTINA CHIRECEANU](#)
- M115 Alien invasion threatens pollinator refuge - [Florian COSA](#)
- M116 SAFEGRAPE: leveraging citizen science to monitor endemic and emerging pests in French Vineyards - [Lionel DELBAC](#)
- M117 Southern French winegrowers' contribution in monitoring an invasive vine moth - [Lionel DELBAC](#)
- M118 Integrated Post-Entry Surveillance of the Oriental Fruit Fly: Pathway Analysis and Targeted Trapping Approaches in a European Quarantine Context - [Wannes DERMAUW](#)
- M119 *Bulimulus bonariensis*, a recent invasive pest in North America and beyond - [Lauren DIEPENBROCK](#)
- M120 Laboratory evaluation of the predation effectiveness of *Chrysoperla lucasina* (Lacroix) against the invasive alien species *Cydalima perspectalis* (Walker) - [Serena GALLIZIA](#)
- M121 The Most Northerly Reported *Vespa velutina* nest, Belfast Northern Ireland - [Joanna KIRBAS](#)
- M122 *Zaprionus tuberculatus* (Diptera: Drosophilidae): a new threat for fruit crop production? - [Laura LORU](#)
- M123 Spread of Pine Processionary Moth (*Thaumetopea pityocampa* Lepidoptera; Notodontidae) in Continental Urban Areas in Croatia: Monitoring, Risk Mapping and Early Warning System - [Dinka MATOSEVIC](#)
- M124 Establishment of a monitoring network for invasive ant species in the Loire Valley regions. - [Jean-Luc MERCIER](#)
- M125 Current status of the fall armyworm *Spodoptera frugiperda* (J.E. Smith, 1797) (Lepidoptera: Noctuidae) and its natural enemy complex in Türkiye - [Serkan PEHLIVAN](#)
- M126 *Cryptoblabes gnidiella* an emerging pest of grapevines in the southern region of France - [JEAN-CLAUDE STREITO](#)
- M127 What happens when bumblebees feed on alien food? - [Clément TOURBEZ](#)
- M128 Nanoparticle-mediated RNA interference for sustainable control of the red imported fire ant (*Solenopsis invicta*): Innovations in targeted gene silencing, colony transfer, and biocontrol enhancement - [Luoluo WANG](#)
- M129 Photoperiodic induction of reproductive diapause in *Corythucha arcuata* (Heteroptera: Tingidae) - [Thomas ZANKL](#)
- M130 The invasion of *Solenopsis invicta* in Sicily: distribution, ecological interactions and population genetics - [Lucia ZAPPALA](#)
- M131 Unequal Risk: A Comparison of Pesticide Sensitivity of Wild and Managed Bees - [Luca DORIO](#)
- M132 Regional variation in insecticide susceptibility and Point mutation detection in *Phthorimaea absoluta* populations from South Korea - [Lee JEONGMIN](#)
- M133 Detection and functional characterisation of striking insecticide resistance phenotypes in *F. occidentalis* populations from Crete - [Aikaterini KATSANOOU](#)
- M134 Resistance Dynamics of *Frankliniella occidentalis* Populations in Korean Pepper Houses: Implications for Integrated Pest Management - [Donghun KIM](#)
- M135 Adverse sublethal effect of insecticides on spider locomotion in Mediterranean olive groves - [Ilaria LATERZA](#)
- M136 Role of detoxification in xenobiotic adaptation in *Drosophila suzukii*, the spotted wing - [Mingjian LI](#)
- M137 Transcriptomic insights into chlorantraniliprole resistance in *Spodoptera frugiperda* - [Antonio Rogério Bezerra d NASCIMENTO](#)
- M138 Translocation and Bioactivity of Root-applied dsRNA in Oilseed Rape Seedlings Targeting *Psylliodes chrysocephala* - [Rahima Nusrat REMME](#)
- M139 Interactive Effects of Drought and Endophytic Fungi on Soybean Performance and Fall Armyworm Development - [Paolo SALAZAR-MENDOZA](#)
- M140 Spatial structure and chemical heterogeneity of insect cuticular hydrocarbon layers: insights from different extraction methods and acclimation regimes - [Sascha SCHLÜTER](#)
- M141 Resistance Monitoring and Target-Site Mutation Analysis of *Ostrinia furnacalis* to Deltamethrin in Korea - [Oh SHEUNG TAEK](#)
- M142 How calcium pathways can modulate the mode of action of neonicotinoids and their new representatives: recent advance using american cockroach model - [Emiliane TAILLEBOIS](#)
- M143 Assessing Insect Vulnerability in a Rapidly Urbanising Tropics - [Eunice TAN](#)
- M144 Transgenerational Hormesis in an Invasive Insect Herbivore Triggered by Sublethal Insecticides: Molecular and Biological Insights - [Farman ULLAH](#)
- M145 The effects of nesting location on the thermal ecology and greenhouse gas emissions of arboreal termites. - [Lara DOMINGUEZ](#)
- M146 The influence of heat stress on the parental control of microbial competition - [Maja FLUCH](#)
- M147 Using biochemical proxies to assess fitness along a range expansion gradient: physiological responses to thermal stress among populations of the Pine Processionary Moth - [Pierre GOSSEAU](#)
- M148 Nanocarrier-mediated RNAi of HSP83 and CP7 elucidates their roles in thermo-hygro-metric adaptation in *Tuta absoluta* - [HINA GUL](#)
- M149 Interactive effects of developmental and adult thermal environments on lifespan in *Drosophila* - [Emanuel Manfred MAKWISA](#)
- M150 Phenology and thermal tolerance shape the biological control potential of *Aphelinus mali* against woolly apple aphid in Northern Italian orchards - [Sonia PANIZZA](#)
- M151 Impact of high temperatures on Bumblebees' foraging behaviour. - [Yoorana PEYRE](#)
- M152 Determining the thermal conditions of underground nests of *Bombus terrestris* - [Yanet SEPULVEDA](#)
- M153 Evolutionary insights from complete mitochondrial genomes of *Aedes albopictus* and *Culex pipiens molestus* (Diptera: Culicidae) - [Ashraf AKINTOLA](#)
- M154 West Nile Virus: results of entomological surveillance in Sardinia (Italy) in 2025 - [Daniele DEDOLA](#)
- M155 *Wolbachia* endosymbiont detection in wild mosquitoes from Northern Italy - [FRANCESCO DEFILIPPO](#)
- M156 Italian network for invasive mosquito surveillance and control at points of entry (PoEs) - [FRANCESCO DEFILIPPO](#)
- M157 Adverse effects between mutualistic and pathogenic bacteria colonising *Aedes aegypti* are stage-specific - [Yanouk EPELBOIN](#)
- M158 The role of mosquitoes' cognition in the development of behavioral adaptations to chemical control - [Silvère GRAUD](#)
- M159 Vector competence of a field population of mosquito species *Coquillettidia venezuelensis* from French Guiana for Oropouche virus - [Amandine GUIDEZ](#)
- M160 Functional characterization of engorgement factor alpha and its regulatory role in the feeding success of *Haemaphysalis longicornis* - [Donghun KIM](#)
- M161 Linking plant feeding to malaria transmission: An integrative field-to-laboratory study in *Anopheles* mosquitoes - [Hillary KIRWA](#)
- M162 Investigating the bioactivity of insects in open wound care by wild chimpanzees - [Harshith KOPPA GURUSWAMY](#)
- M163 Maps of tick's presence and associated tick-borne pathogens in and around Paris, France. - [Eva KRUPA](#)

- M164 A large-cage population study of an engineered gene drive targeting doublesex gene in a malaria vector *Anopheles coluzzii* - Jaroslaw KRZYWINSKI
- M165 Passive copper release from rain chains is harmful to mosquito larvae and deters egg-laying - Claudio LAZZARI
- M166 Uncovering cyclic respiration in *Aedes aegypti*: metabolic responses to environmental temperature - Claudio LAZZARI
- M167 Monitoring of chigger mite (Acari: Trombiculidae) populations in Yesan, Chungcheongnam-do, Korea (2017–2024) - Hyeok LEE
- M168 The role of hemocytes in the rat flea *Xenopsylla cheopis* and its interaction with the plague bacterium *Yersinia pestis* - Henri LOSHOUARN
- M169 What bridge vectors could favour arboviruses spillover along mangrove-urban continuums in Guadeloupe? - Océane MADINECOUTY
- M170 Pilot trial of the sterile insect technique and the incompatible insect technique for the control of *Ae. albopictus* in Yucatan, Mexico - David ROIZ
- M171 Mosquito Species Checklist and Distribution in Haiti and the Dominican Republic (1905–2025): A Systematic Review - David ROIZ
- M172 The rising economic costs and social impacts of mosquito-borne diseases - David ROIZ
- M173 Strengthening Tick-Borne Encephalitis Surveillance in Non-Endemic Regions of Kazakhstan - Zhanna SHAPIYEVA
- M174 RNA-seq Reveals Cuticular, Detoxification, and Hormonal Mechanisms Underlying Insecticide Responses in *Aedes aegypti* in Jamaica - Deiondra TAI
- M175 Multitrophic interactions around aphids carrying the barley yellow dwarf virus (BYDV) - Capucine SAUDEMONT
- M176 Ectoparasites diversity and distribution of pathogen in Ticks collected from Wild Rabbit and Cape Hare in Algeria - Abderrazek BENDRIMIA
- M177 Emergence of Flea-Borne *Rickettsia asembonensis* in the Mediterranean Region: Evidence from Sardinia - Valentina CHISU
- M178 Detection of bluetongue virus in culicoides species (diptera: ceratopogonidae) during btv outbreaks in sardinia, 2025 - Cipriano FOXI
- M179 de novo assembly of the genome of *Eretmapodites subsimplicipes*, an overlooked arbovirus vector - MELANIE JEANNEAU
- M180 Relationship between microbiome and genetic diversity in the soft tick *Ornithodoros phacochoerus*, in Central Mozambique - Hélène JOURDAN
- M181 Improving Resilience to the Spread of Plant Diseases via a Regional Pest Common Data Space - Liina KANN
- M182 Supervised taxonomic classification of bulk insect images using metabarcoding and transfer learning - Johanna ORSHOLM
- M183 Navigating through the high species diversity of wild bees (Hymenoptera: Anthophila) requires more than modern identification keys - Noé BARBIER CHABOT
- M184 Insects in Italian Painting through Time: From Symbolism to Naturalism - Maria Luisa DINDO
- M185 EPIC-Bee - Building taxonomic capacity for wild bees to support the EU Pollinator Monitoring Scheme (EUPoMS) - Sarah LESCOT
- M186 Ants, cities, and citizens: investigating urbanization effects on biodiversity in French tropical territories - Jérôme ORIVEL
- M187 EntoBites: Bringing you insect science, one buzz at a time - Veronika PAVLASOVA
- M188 Innovating Bedbug Control : Symbiotic Control within a One Health Framework - Charlotte TANNEAU
- M195 Vibrational cues in host location process in concealed host - Giorgia CARBONI MARRI
- M196 Cricket stridulation: a biomimetic model for wear-resistant design? - Teddy GAIDDON
- M197 Insect Neural Mechanisms of Spatial Navigation For and Through Robotics - Gabriel GATTAUX
- M198 Structural hierarchy in beetle mandibles: a lesson in toughness - Caroline HOURIET
- M199 Bio-inspired heading detection based on UV skylight polarization measurements - Matthias PACÉ
- M200 Aerodynamic consequences of wing damage in dragonfly flapping flight - Peng YU
- M201 Pore Canal Networks Couple Transport and Mechanical Regulation in Arthropod Cuticle - Jamal IBRAHIM
- M202 Biomimetic Nanofabrication of Photonic Crystals - Alexandre CHARTIER
- M203 The structure-function relationships of insect cuticle in scales - Eléonore MAGNE
- M204 Fluorescence lights up: insect passion unfurled - Matvey NIKELSHPARG
- M205 Control of mealybugs and ant-management: implementation of sugar-providing dispensers in Northern Italy vineyards - Giovanni BURGIO
- M206 Evaluation of Adhesive Traps for *Vespa mandarinia* Control: Effects of Presence, Vital Status, and Colony Specificity on Attraction and Non-Target Impact - Moon Bo CHOI
- M207 Adaptation of native natural enemies to emerging alien pest insects: new associations and assessment for biocontrol - Alessia DE LUIGI
- M208 Impact of flowering species on performance and parasitism rates of egg parasitoids against *Halyomorpha halys* - Martina FALAGIARDA
- M209 First European record of the Nearctic hyperparasitoid *Cheiloneurus swezeyi* and impacts on *Neodryinus typhlocybae* populations - Marco FALASCO
- M210 Assessing the potential of methyl salicylate for enhancing parasitoid attraction in Mediterranean vineyards - Vicente Santaigo MARCO-MANCEBÓN
- M211 Experimental evaluation of host specificity of the generalist parasitoid *Pachycrepoideus vindemmiae* (Rondani, 1875) - Jakob MARTIN
- M212 Optimizing male mating protocols to support half-sib selection in the predatory mirid *Macrolophus pygmaeus* - María del Carmen RECHE GUILLERMO
- M213 Insecticide resistance in the invasive *Spodoptera frugiperda* and the native *Spodoptera littoralis* in Greece - Emmanouil RODITAKIS
- M214 Development of Eco-friendly Pest Management Solutions Using Native Plant Extracts - Younkyung SEO
- M215 Thrips reduction in production systems - Joes TEN THIJ
- M216 Evaluating Insecticide Seed Treatments for Compatibility with the Earwig Predator *Euborellia annulipes* and Pest Control - Jorge TORRES
- M217 Biodiversity strips around greenhouses to enhance natural enemies of greenhouse pests - Kyra VERVOORN
- M218 Herbivore-induced plant volatiles influence electroantennogram and behavioural responses of larval parasitoid - Sanjana AKTER
- M219 Comparative characterization of peach fruit deformation induced by *Halyomorpha halys* (Hemiptera: Pentatomidae) and deformative eriophyid mites - Stefanos ANDREADIS
- M220 Resolving Intra-Guild Interactions in the Parasitoid Community of the Olive Psyllid pest, *Euphyllura olivina* - Marie-Claude BON
- M221 Host-parasitoid interaction: molecular characterization and biological role of unhatched parasitic wasps in stink bug egg masses - Alessandro BORSOTTI
- M222 The role of aphid protective symbionts in mediating interactions between rhizobacteria, plants, aphids and parasitoids in the field - Andrea CERIBELLI
- M223 Mechanisms and consequences of Microbial-Induced Resistance on trophic interactions and biocontrol efficacy - Corentin CLAVÉ
- M224 Impacts of artificial light at night on predatory invertebrate community composition and nutritional networks - Mia CROFT
- M225 Disentangling trophic interactions in stored-product ecosystems using high-throughput sequencing - Meriem DAHMANE

- M226 **Effect of soil orchard management on apple blossom weevil and its predators and parasitoids** - [Aya EL MEZIANE](#)
- M227 **Trichoderma–plant–arthropod interactions: a field study on cascading effects across trophic levels** - [PIERLUIGI FORLANO](#)
- M228 **Comparative characterization of two related viruses in different parasitoid species** - [Rosalía GARCÍA GARCÍA](#)
- M229 **The progress of 3MP field trials on greenhouse and open-field tomato in Asia and Europe** - [Peng HAN](#)
- M230 **Arthropod biodiversity in Danish apple orchards: Influence of semi-natural habitats and management practices** - [Stine Kramer JACOBSEN](#)
- M231 **The life cycle of the phytophagous nematode Schistonchus caprifici, specialist of male Ficus carica figs and phoretic in its pollinator Blastophaga psenes** - [Frederic LANDMANN](#)
- M232 **Molecular detection of Hypera postica predation by Coccinella septempunctata in response to aphid availability** - [Alexandre LEVI-MOURAO](#)
- M233 **Selective feeding and niche differentiation in adult boreal Odonata revealed by DNA metabarcoding** - [Hana MERCHANT](#)
- M234 **Behavioural responses of an egg parasitoid to substrate-borne semiochemicals in a multi-herbivore patch: effect of non-host traces on foraging behaviour** - [Ezio PERI](#)
- M235 **Assessing the multitrophic compatibility of Bacillus surfactins as biopesticide in a sugar beet–aphid–parasitoid system** - [Adeline ROHART](#)
- M236 **Climatic factors drive community and predator responses to Osmia bees (Hymenoptera: Megachilidae) in temperate South Korea** - [Minwoong SON](#)
- M237 **The microbial ecology of honeydew under a changing climate** - [Francine VAN NEERBOS](#)
- M238 **Insect-based circular bioeconomy: Converting agrifood side-streams into animal feeds and organic fertilizers using black soldier fly Hermetia illucens in Greece** - [AMALIA ANTHOUSI](#)
- M239 **Bioconversion of fat-rich raw ham residues by Hermetia illucens** - [Luana BATAGLIA](#)
- M240 **Monitoring individual larval development in black soldier fly evidences differences between sexes growth and sexual maturation** - [Christophe BRESSAC](#)
- M241 **Valorisation of olive by-products within a circular economy framework: the OLIWA approach** - [Laura GASCO](#)
- M242 **Growth performance of juvenile rainbow trout (Oncorhynchus mykiss) fed Hermetia illucens meal with different levels of chitinase** - [Laura GASCO](#)
- M243 **Genotype by Diet Interactions Drive life-history traits in Black Soldier Fly (Hermetia illucens)** - [Maiva Jessica JOGUE LACDO](#)
- M244 **Biodegradation of Plastic/Bioplastic Food Packaging by Tenebrio molitor and Zophobas atratus Larvae** - [Lara MAISTRELLO](#)
- M245 **Optimizing Black Soldier Fly Larval Performance Through Controlled Fermentation of Agri-Food By-Products** - [Lara MAISTRELLO](#)
- M246 **How Hermetia illucens reacts towards substrate infesting fungi?** - [Emanuele MAZZONI](#)
- M247 **Evaluation of the bioconversion efficiency of Hermetia illucens (black soldier fly) larvae in a controlled environment** - [Arkeita MENDY](#)
- M248 **Determining the gut microbiota composition of the yellow mealworm Tenebrio molitor in its industrial rearing environment** - [Emilie MOLLARD](#)
- M249 **Mating behaviour and sensory cues involved in partner recognition of Hermetia illucens (Diptera: Stratiomyidae)** - [Giulia PETRONI](#)
- M250 **Adult Morphology of Wild and Mass-reared Black Soldier Flies, Hermetia illucens (Diptera: Stratiomyidae)** - [Lisa ROLLINSON](#)
- M251 **From Pomace to Performance: Evaluating Growth and Bioconversion Efficiency of Hermetia illucens Larvae on Two-Phase Olive Pomace-Based Diets** - [PANAGIOTA SOULIOTI](#)
- M252 **Engineering gut antimicrobial peptide expression in black soldier fly to enhance antimicrobial function for sustainable feed applications** - [Conall STANFORTH](#)
- M253 **Impact of a newly discovered virus on the mating choice and behaviour of the black soldier fly (Hermetia illucens)** - [Matthis GOUIN](#)
- M254 **Cold vs. CO<sub>2</sub>: anaesthetic effects on insect antennal functionality** - [Eric DARROUZET](#)
- M255 **Diel rhythm shapes sensory tuning in hawkmoth visual systems** - [Zibo LI](#)
- M256 **An Opioid Mechanism for Nociceptive Suppression in Wasp-Stung Cockroaches** - [Frederic LIBERSAT](#)
- M257 **Diel rhythm shapes sensory tuning in hawkmoth visual systems** - [Marjorie LIENARD](#)
- M258 **Toxicity of novel neurotoxic insecticides on Tetranychus urticae and various phytophagous and predatory mite species** - [Omar MASOUD](#)
- M259 **BumbleDate: Identification of key pheromones and neural mechanisms involved in bumblebee reproduction** - [Jorn OPPERSMA](#)
- M260 **The role of electrical fields in the sensory ecology of arthropods – a survey of recent studies** - [Ryan PALMER](#)
- M261 **Bacterial taste regulates immunity and feeding** - [Léo SILLON](#)
- M262 **Acoustic ecology of Neuropterans in South Africa** - [Anza SIMON](#)
- M263 **Involvement of nicotinic acetylcholine receptor subtypes in learning and memory performance in the honeybee Apis mellifera** - [Emiliane TAILLEBOIS](#)
- M264 **Characterization of seminal fluid proteins affecting the female post mating switch in Drosophila melanogaster** - [Vladimir TRAJANOVIKJ](#)

## Tuesday – 30 June

07:45-08h30 – Front of the Conference Centre

### SPORT - Move like a bug 1

*From Stability to Propulsion (Running)*

07:45-08h30 – Lateral door entrance – Foyer (Level+1)

### SPORT - Move like a bug 2

*Static Control and Dynamic Balance (Yoga)*

08:00-16:00 **REGISTRATION** Level 0

08.45-10:00 – Francois 1er (L-1)

### PLENARY LECTURE

*Joël Meunier*

08:45 **Announcements**

09:00 **PLENARY LECTURE**

#### Insect invasions in an era of globalization

**Cleo BERTELSMEIER** – Department of Ecology and Evolution, University of Lausanne, Switzerland

Hall Bourdu (L-2)

10:00-10:30 **COFFEE BREAK**

10:30-12:30 – Francois 1er (L-1)

### INSECTS AS SOLUTIONS

#### Biocontrol and integrated pest management 1

*Ingrid Arnault, Anaïs Chailleux, Thibault Nève de Mevergnies*

- 10:30 **Inside the Black Box: Untangling Multi-Trophic Processes in Associative Cropping for Integrated Pest Suppression** - **Ivan HILTPOLD**
- 11:00 **Drivers of overwintering carabid communities in arable crops and in flower strips: can we describe the effects of farming systems through disturbance intensity, resources and local habitat conditions?** - **Margot BRONDANI**
- 11:15 **Beyond biocontrol: promoting functional biodiversity in agroecosystems to improve pest control** - **Dani LUCAS-BARBOSA**
- 11:30 **Synergistic Effects of Companion Plants and Beneficial Soil Fungi on Functional Biodiversity, Pest dynamics and Yield of Open-Field Tomatoes** - **APOSTOLOS KAPRANAS**
- 11:45 **Diverting ants from aphids: service plants as a lever to enhance biological control of the rosy apple aphid in orchards.** - **Roberto MESEGUER**
- 12:00 **Insectary plant species preferences of predators and parasitoid families in a Mediterranean horticultural agroecosystem** - **Francesc GÓMEZ MARCO**
- 12:15 **A tailored mixed floral strip to reduce aphid numbers in smallholder's vegetable farms in Valdivia, southern Chile** - **Mauricio GONZALEZ-CHANG**

10:30-12:30 – Ronsard (L+1)

### ECOLOGY & BEHAVIOR

#### Plant-insect and plant-insect-microorganisms interactions 1

*Akiko Sugio, Antoine Guiguet, Aileen Berasategui*

- 10:30 **Complexity in the plant-aphid molecular dialogue** - **Bos JORUNN**
- 11:00 **Insect detoxification enzymes as key drivers of evolutionary adaptation to plant toxins** - **Huidong WANG**
- 11:15 **REPAT proteins as a bridge between caterpillar infection and plant defense response** - **Maria Cristina CRAVA**
- 11:30 **From roots to populations: microbe-induced resistance alters herbivore life history** - **SARA COMERÓN TABERNEO**
- 11:45 **Metabolic profiling of Agave species with varying susceptibility to the agave weevil *Scyphophorus***

**acupunctatus (Coleoptera: Dryophthoridae)** - **Francesca BOERO**

- 12:00 **Rhythmic determinants of folivory by the Brassica specialist pest Diamondback moth (*Plutella xylostella*)**. - **Shubhangi MAHAJAN**
- 12:15 **Antibiosis resistance to *Tuta absoluta* in wild and cultivated tomato accessions** - **Komla Exonam AMEGAN**

10:30-12:30 – Descartes (L+1)

### GLOBAL CHANGE

#### Biological invasion 1

*Mathieu Laparie, Christelle Robinet, Cléo Bertelsmeier*

- 10:30 **Plants on the move: Enemy release and its erosion** - **Andrew LIEBHOLD**
- 11:00 **Malevolence in Eden: *Agrilus mali* yet another invasive buprestid?** - **Myron ZALUCKI**
- 11:15 **Using genome skimming to track and manage the spread of an invasive lepidopteran** - **Kyle MILLER**
- 11:30 **Alien Phytophagous Mites in Europe: host plant adaptation, genetic pools, and potential range expansion for risk anticipation** - **Denise NAVIA**
- 11:45 **Invasion-driven changes in *Drosophila* and their parasitoid communities along a latitudinal gradient in the Rhône valley** - **Marie PANZA**
- 12:00 **Invertebrate invader in the South Atlantic: An ecological threat assessment** - **Stephen GILLANDERS**
- 12:15 **An invader under pressure: exploring the consequences of an emerging fungal parasite on an invasive ant species in Europe.** - **Baptiste NÉZEL**

10:30-12:30 – Loches (L+1)

### BIODIVERSITY

#### Species distribution 1

*Sylvain Pincebourde, Olivier Chabrierie, Olivia Bates*

- 10:30 **Temperature variability homogenized thermal responses in an ectotherm community along a European longitudinal gradient** - **Joan VAN BAAREN**
- 11:00 **Key drivers of bee occupancy and distribution in disturbed tropical montane landscapes in Malaysia revealed through multi-species occupancy modelling** - **Zoe BIRD**
- 11:30 **From dense cities to protected semi-natural areas: large-scale homogenization of wild bee communities across Western Europe** - **Rosa RANALLI**
- 11:45 **Mosquito Community Shifts Along urban environments in a global south city.** - **Elizabet ESTALLO**
- 12:00 **Loss of predators drives cascading effects in termite-mediated wood decomposition in tropical forests.** - **Dumas GALVEZ**
- 12:15 **Can the density of managed honey bees influence the presence of wild pollinator visitors?** - **Isaac BADU**

10:30-12:30 – Chinon (L+2)

### INSECT VECTORS

#### Medical entomology 2

*Claudio Lazzari, David Roiz*

- 10:30 **Tracing Thermal Adaptation in *Aedes albopictus*: Evidence from a North-South Gradient in Europe** - **Daniele DA RE**
- 11:00 **Larval environments reshape mosquito disease risk via phenotypic and molecular plasticity** - **Clement VINAUGER**
- 11:15 **Characterization of the immune gene *Aea102* in *Aedes albopictus* larvae and analysis of transcriptional changes in larvae exposed to *Bacillus thuringiensis*** - **Monica VAGHI**
- 11:30 **Assessment of *Wolbachia* Circulation in Wild Sand Fly Populations from Northern Italy** - **Maya CARRERA**
- 11:45 **CLIMOS - a coordinated effort to study sand flies and sand fly-borne pathogens under the ongoing climatic change in Europe and adjacent regions** - **Vit DVORAK**
- 12:00 **Influence of land use on mosquito communities in central Panama** - **Isabel TRUJILLO**

12:15 **How temperature shapes life-history traits and infection potential in an emerging invasive mosquito** - [Daniel David GINGELL](#)

10:30-12:30 – *Vouvray (L+2)*

### EVOLUTIONARY GENETICS

#### Symbionts and insects as holobionts 3

*Ines Pons, Jean-Christophe Simon, Vincent Foray*

- 10:30 **Diverse routes to male killing: symbionts, mechanisms, and evolution** - [Daisuke KAGEYAMA](#)
- 11:00 **Regulation of bacteriocyte-based symbiosis in aphids: integrative crosstalk between apoptosis, UPR, CLEAR pathways and the endomembrane system** - [Federica CALEVRO](#)
- 11:15 **Convergent genome evolution across repeated transitions to insect endosymbiosis** - [Matteo MONTAGNA](#)
- 11:30 **When new symbionts enter old systems: evolutionary patterns of symbioses in leafhoppers** - [Veronika ANDRIIENKO](#)
- 11:45 **The collaboration between *Anomala corpulenta* and its gut symbionts in degrading corn straw** - [Xue-Wen LI](#)
- 12:00 **Identifying novel amino acid transporters in *Acyrtosiphon pisum* endosymbiosis** - [Catriona ANDERSON](#)
- 12:15 **Loss of Wolbachia-mediated cytoplasmic incompatibility in agricultural pests** - [Nick WYBOUW](#)

10:30-12:30 – *Courtelaine (L+2)*

### INSECTS THROUGH TIME

#### Insect systematics in the biodiversity crisis

##### Bridging tradition and innovation 1

*Carlos Lopez Vaamonde, Tamara Spasojevic*

- 10:30 **Dark Taxa Are Not an Inconvenience: Designing Biodiversity Science for Reality** - [Emily HARTOP](#)
- 11:00 **Hidden diversity and evolutionary uniqueness of gracillariid leaf-mining moths in the Ogasawara (Bonin) Islands, Japan** - [Issei OHSHIMA](#)
- 11:15 **Latitudinal diversity gradients in the globally dominant flying insect clades** - [Bernardo SANTOS](#)
- 11:30 **Molecular systematics and island diversification of flightless beetles of the genus *Oxycara* (Coleoptera: Tenebrionidae) in Cabo Verde** - [Pilar JURADO-ANGULO](#)
- 11:45 **New perspectives in the study of insect phenotypes: A semantic solution to the problem of data integration** - [Diego SASSO PORTO](#)
- 12:00 **Multilocus phylogeny of Dorcadion and related taxa (Coleoptera, Cerambycidae)** - [FLORINA GEORGIANA CABA](#)
- 12:15 **Ancient routes, modern hotspots: phylogenomics illuminates the evolutionary journey of Saturniidae (Lepidoptera: Bombycoidea) across continents** - [Rodolphe ROUGERIE](#)

10:30-12:30 – *Bourgueil (L+2)*

### INSECTS AS SOLUTIONS

#### Insects as feed and food 1

*Christophe Bressac, Laura Gasco*

- 10:30 **Insects on the menu: Nutritional value and potential risks** - [Mik VAN DER BORGH](#)
- 11:00 **Mapping the effects of diet protein, carbohydrate, and lipid composition on black soldier fly (*Hermetia illucens*) larval outcomes** - [Kim JENSEN](#)
- 11:15 **Functional expression of PET-degrading enzymes in *Drosophila melanogaster*: a proof-of-principle study exploring insects for plastic biodegradation** - [Federica SANDRELLI](#)
- 11:30 **Beyond linear nutrition: evidence for circular, microbially driven nutrient dynamics in black soldier fly larvae** - [Jeroen DE SMET](#)
- 11:45 **Uncovering genes regulating female fecundity in *Tenebrio molitor* L: a transcriptomic analysis.** - [Maria XANTHOU](#)
- 12:00 **Mining plastic-degrading enzyme in the gut microbiota of *Hermetia illucens*** - [Davis ROMA](#)

12:15 **Don't cry over spilled milk: Repurposing wet byproducts from the dairy industry as alternative moisture sources in *Tenebrio molitor* rearings** - [Christina ADAMAKI-SOTIRAKI](#)

10:30-12:30 – *Montlouis (L+2)*

### INSECTS AS SOLUTIONS

#### Biomimeticism - Bioinspired materials, sensory and actuation systems

*Jérôme Casas, David Labonte*

- 10:30 **Motor Flexibility: central and proprioceptive contributions to the generation of task-specific motor output for leg stepping** - [Ansgar BÜSCHGES](#)
- 11:00 **Locomotion on granular media : insect stability on sandy inclines** - [Miguel PINEIRUA MENENDEZ](#)
- 11:15 **Locomotion in Complex Terrains: Biomechanics to Bioinspiration** - [Kaushik JAYARAM](#)
- 11:30 **Egg glue of the stink bug *Nezara viridula*: production site, mechanical properties, and surface interactions** - [Asmita BARAL](#)
- 11:45 **Flapping Flight in Diptera: From Evolution to Aerodynamics** - [Thomas ENGELS](#)
- 12:00 **Nonlinear softening and resonance in odonata flapping flight** - [Ramiro GODOY-DIANA](#)
- 12:15 **Flight and swimming mechanics of miniature wasp *Tiphodytes gerriphagus* (Hymenoptera: Scelionidae)** - [Nadezhda LAPINA](#)

10:30-12:30 – *Villandry (L+2)*

### ECOLOGY & BEHAVIOR

#### Imaging sensing and tracking tools 1

*Thomas Steinmann, Andrew Straw*

- 10:30 **Laser remote sensing of foraging insect fluxes in the landscape.** - [Mikkel BRYDEGAARD](#)
- 11:00 **Flight Behaviour of Bees and Moths Revealed by Harmonic Radar** - [Jacqueline DEGEN](#)
- 11:15 **AnimalTA: A simple yet flexible tool for video tracking and manual corrections** - [Violette CHIARA](#)
- 11:30 **Insect monitoring using automated traps and unmanned aerial vehicles** - [Julien SAGUEZ](#)
- 11:45 **Visual conditioning in mosquito larvae and nymphs *Aedes aegypti*** - [Fernando GUERRIERI](#)
- 12:00 **High-resolution data on small arthropods: an in situ scanner to provide unprecedented information on their ecology** - [Cécile ALBERT](#)

*Hall Bourdu (L-2)*

12:30-14:00 **LUNCH BREAK**

12:50-13:50 – *Loches (L+1)*

### CAREER IN ENTOMOLOGY 1

#### Launching careers in insect science

##### Masters & doctoral networks

*Ivana Cernanova, Gayanaka Wijethilake, David Giron*

- 12:50 ***Erasmus Mundus* & MSCA doctoral networks: What they are and how they work** – [Ivana CERNANOVA](#), [Gayanaka WIJETHILAKE](#)
- 13:10 ***Erasmus Mundus* master– ISSF – Insects as Solutions for a Sustainable Future** – [Elisabeth HUGUET](#)
- 13:20 **MSCA doctoral network – Insect Doctors – Educating insect pathologists to understand and prevent infectious diseases in mass-reared insects** – [Christina NIELSEN-LE ROUX](#)
- 13:30 **General discussion**

12:50-13:50 – Courteline (L+2)

## SCIENTIFIC COMMUNICATION AND PUBLISHING IN ENTOMOLOGY 1

Tiny creatures, lasting impact  
Science communication for entomology

*Carla Stoyanova, Maria Kolesnikova, Nikolay Mehandzhyski*

- 12:50 Science communication foundations & best practices
- 13:20 Hands-on science communication exercise

12:50-13:50 – Montlouis (L+2)

## SATELLITE MEETING - Editorial board Royal Entomological Society

*Jayne Whiffin*

12:50-13:50 – Villandry (L+2)

## RESEARCH FRONTIERS IN INSECT SCIENCE 4 Image and video analysis tools in entomology

*Violette Chiara, Michael Harrap,  
Tristan Robineau, Julien Saguez, Matej Stefancic*

- 12:50 Introduction to AnimalTA - [Violette CHIARA](#)
- 13:00 Introduction to Braid- [Michael HARRAP](#)
- 13:10 Introduction to Fast Lock On - [Michael HARRAP](#)
- 13:20 Introduction to Trapview - [Matej STEFANCIC](#), [Julien SAGUEZ](#)
- 13:40 General discussion

14:00-16:00 – Francois 1er (L-1)

## INSECTS AS SOLUTIONS

### Biocontrol and Integrated pest management 2

*Ingrid Arnault, Anaïs Chailleux, Thibault Nève de Mevergnies*

- 14:00 Was the introduction of *Trissolcus japonicus* successful? Six-year field monitoring of *Halyomorpha halys* egg parasitoids in Northern Italy - [Antonio MASETTI](#)
- 14:30 Conservation biological control and agroecosystem design to reduce *Psylliodes chrysocephala* damage in oilseed rape fields - [Antoine GARDARIN](#)
- 14:45 Harnessing Plant- and Pest-Derived Semiochemicals to Enhance Biological Control: Insights from Predators and Parasitoids of Tomato Pest - [Emilie DELETRE](#)
- 15:00 Increasing biodiversity in arable leek cultivation to stimulate biological control of the onion thrips - [Joels TEN THIJ](#)
- 15:15 Multi-year evaluation of insecticide efficacy against *Bemisia tabaci* and parasitoid dynamics - [GÜL SATAR](#)
- 15:30 Responses of *Tetrastichus howardi* to temporary thermal stress: implications for biological control - [Christian TORRES](#)
- 15:45 Confirmation of The Presence of The Fruit Fly Parasitoid *Psytalia concolor* (Szépligeti, 1910) (Hymenoptera: Braconidae) Emerging from The Olive Fruit Fly *Bactrocera oleae* in Northeast Libya. - [Ayad MASRY](#)

14:00-16:00 – Ronsard (L+1)

## ECOLOGY & BEHAVIOR

### Plant-insect and plant-insect-microorganisms interactions 2

*Akiko Sugio, Antoine Guiguet, Aileen Berasategui*

- 14:00 In silico and in vitro analyses revealed odorant receptor divergence associated with host specialization in moths - [Emmanuelle JACQUIN-JOLY](#)
- 14:30 *Azospirillum brasilense* reconfigures maize-mediated defenses across herbivore and parasitoid trophic levels - [Isabella Rubio CABRAL](#)
- 14:45 Plant-insect-microbe interactions shape ethanol tolerance and foraging ecology in social wasps - [Eran LEVIN](#)
- 15:00 Natural and Synthetic Agents Shape Wireworm Behaviour: Responses of *Agriotes lineatus* and *A. litigiosus* - [Eva PRAPROTNIK](#)
- 15:15 Effects of two water regimes on leaf redox status, pest preference and performance (*Amrasca biguttula* and

*Helicoverpa armigera*) in two cotton varieties under controlled conditions in Bénin - [Yarou Ayouba KORA TIKIN](#)

- 15:30 Plant Induced Responses to Insect Derived Airborne Signals - [Agnes BROSSET](#)
- 15:45 Plant phenology and VOCs signals mediating *Halyomorpha halys* (Hemiptera: Pentatomidae) host selection mechanisms - [Eleni KOUTSOGEORGIU](#)

14:00-16:00 – Descartes (L+1)

## GLOBAL CHANGE

### Biological invasion 2

*Mathieu Laparie, Christelle Robinet, Cléo Bertelsmeier*

- 14:00 Supercolonial ants - the making of a perfect invader - [Jes Søe PEDERSEN](#)
- 14:30 Beyond Borders: The Silent Spread of Alien Thrips Across Europe - [Ferenc LAKATOS](#)
- 14:45 Darwin's naturalization conundrum in ants - [Tongyi LIU](#)
- 15:00 Evolution of the genetic load in invasive insects: insights from a genomic cross-species study - [Eric LOMBAERT](#)
- 15:15 Temporal dynamics of species coexistence between invasive and native fruit flies sharing an ephemeral trophic resource - [Méghan BOULEMBERT](#)
- 15:30 Landscape and local factors shaping infestation rates of wild and garden cherry trees by the invasive fruit fly *Drosophila suzukii* - [Mattéo DORVILLE](#)
- 15:45 Population genetic assignment to characterize long-distance dispersal of *Monochamus galloprovincialis*, vector of the Pine Wood Nematode - [Mathilde VARRAULT](#)

14:00-16:00 – Loches (L+1)

## BIODIVERSITY

### Species distribution 2

*Sylvain Pincebourde, Olivier Chabrerie, Olivia Bates*

- 14:00 Spatial Structure of Springtail Communities in Iran's UNESCO Hyrcanian Forests - [Thomas TULLY](#)
- 14:30 Stratification of saproxylic beetle communities up top the canopy atmosphere interface under the influence of dieback in temperate forests - [Raphaëlle BALVAY](#)
- 14:45 Distribution, habitat preferences, and life-history traits of *Eriogaster catax* in Umbria (Italy): implications for conservation management - [Matteo PALLOTTINI](#)
- 15:00 Bigger, better hedgerows - assessing hedge structure and landscape context for lepidoptera - [Victoria ROSE](#)
- 15:15 Elevational diversity and turnover of Neotropical leaf beetles (Chrysomelidae) across the Ecuadorian Andes - [Pedro MONTES-GAVILÁN](#)
- 15:30 Woody encroachment effects on insect communities in mountain grasslands - [Bernd PANASSITI](#)
- 15:45 Insect Responses to Early-Stage Riparian Restoration in Oil Palm Landscapes - [Sacchi SHIN-CLAYTON](#)

14:00-16:00 – Chinon (L+2)

## INSECT VECTORS

### Medical entomology 3

*Claudio Lazzari, David Roiz*

- 14:00 Mosquito sugar feeding: a neglected aspect of their biology and tool for their control. - [Chloe LAHONDERE](#)
- 14:30 Unlocking crosstalk regulations in *Aedes aegypti* mosquitoes - [Patricia SCARAFFIA](#)
- 14:45 Molecular basis of TRPA-dependent sensory modulation in Triatomines - [Marjorie LIENARD](#)
- 15:00 Lifespan and biodemographic characteristics of *Aedes albopictus* and *Culex pipiens* biotypes - [GEORGIOS MASTRONIKOLOS](#)
- 15:15 *Spiroplasma* alters male fitness and reproduction in the tsetse fly *Glossina fuscipes fuscipes* - [Riccardo PICCINNO](#)
- 15:30 The virome of *Culex modestus* mosquitoes changes during early generations of laboratory colony establishment - [Chiara POHN](#)
- 15:45 Harnessing bacteriophage-derived endolysins to reduce mosquito attractiveness by selectively killing skin bacteria - [Mitchel BOURNE](#)

14:00-16:00 – Vouvray (L+2)

## SOCIAL INSECTS

### Division of labour, behavioural specialisation and collective decision making 1

*Romain Libbrecht, Enikő Csata*

- 14:00 Pheromone communication and nestmate recognition in the clonal raider ant. - [Tiphaine BAILLY](#)
- 14:30 Olfactory sensitivity and division of labor in the honey bee *Apis mellifera* - [Camille FABER](#)
- 14:45 Social behaviour of *Lasioglossum marginatum* and their nestmate recognition - [Jakub STRAKA](#)
- 15:00 Development and individual experience combine to shape defensive behavior during worker-to-soldier differentiation in termites - [Iago BUENO DA SILVA](#)
- 15:15 Plasticity on multiple levels - mapping the adaptive capacity of the ant *Temnothorax crassispinus* - [Kata Anna BÁN](#)
- 15:30 Mixed forests can mitigate adverse effects of major disturbances on trophic interactions: Spruce dieback affecting wood ant foraging behaviour.. - [Izabela SONDEJ](#)
- 15:45 Social control of queen specialization in ants - [Romain LIBBRECHT](#)

14:00-16:00 – Courteline (L+2)

## GLOBAL CHANGE

### Insect and resistance mechanisms 1

*Steeve Thany, Emiliane Taillebois*

- 14:00 Bringing worms and flies together: *C. elegans* as an experimental platform for the characterisation of insect behaviours and pesticide targets - [Lindy HOLDEN-DYE](#)
- 14:30 Insecticide resistance status of Spanish medfly populations over the last twenty years - [Félix ORTEGO](#)
- 14:45 Identification of mutations and associated intron variants in mosquitoes resistant to insecticides - [Andrew JONES](#)
- 15:00 Using functional genetics in malaria transmitting mosquitoes to validate the role of genes in insecticide resistance and provide insight into the phenotype's complexity - [Mengling CHEN](#)
- 15:15 Advances in Genetic Engineering of *Frankliniella occidentalis* - [Anastasia NIKOLOUDI](#)
- 15:30 Investigation of the response of western flower thrip, *Frankliniella occidentalis* to pesticides in pepper cultivation facilities treated with recommended concentrations of pesticides - [DongWoon LEE](#)
- 15:45 Dissecting resistance in vivo: CRISPR/Cas9 knockouts uncover the roles of two key detoxification genes in *T. urticae* - [Shauny NAESENS](#)

14:00-16:00 – Bourgueil (L+2)

## INSECTS AS SOLUTIONS

### Insects as feed and food 2

*Christophe Bressac, Laura Gasco*

- 14:00 Survival of spore-forming bacteria during black soldier fly larva *Hermetia illucens* (L.), Diptera: Stratiomyidae), waste conversion - [Christina NIELSEN-LEROUX](#)
- 14:30 Profiling the resistome and virulome of the *Hermetia illucens* midgut microbiota - [Conor SCOTT](#)
- 14:45 Gas Exchange as a Predictive Tool for Growth and Nutrient Allocation in Black Soldier Fly Production - [Mattias SCHOW-MADSEN](#)
- 15:00 Pangenomics of the Black soldier fly - [Callum THOMAS](#)
- 15:15 Breeding of the black soldier fly (*Hermetia illucens*) for high temperature adaptation and resistance to the entomopathogen *Paenibacillus thiaminolyticus*. - [Pablo GARCÍA CASTILLO](#)
- 15:30 Investigating viral and bacterial pathogens associated with black soldier fly (*Hermetia illucens*) larval mortality in a French industrial production facility - [Caroline WYBRANIEC](#)
- 15:45 Probiotic-assisted farming: a microbiome-based approach to insect health - [Carlotta SAVIO](#)

14:00-16:00 – Montlouis (L+2)

## EVOLUTIONARY GENETICS

### Eco-evolutionary dynamics of sexual selection and sexual conflicts 1

*Lucas Marie-Orleach, Tim Janicke*

- 14:00 Heatwave effects on survival and reproduction under different levels of intrasexual and intersexual selection - [Natalie PILAKOUTA](#)
- 14:30 Sexual Selection and Adaptive Potential - Lessons from Seed Beetles - [David BERGER](#)
- 14:45 Sexual selection favours the evolution of thermal stress tolerance in *Drosophila melanogaster* - [Justine ARMENGAUD](#)
- 15:00 Plastic and evolutionary consequences of heat exposure on mating behaviour and fertility in a monandrous species - [Leonor RODRIGUES](#)
- 15:15 Revisiting the age-old debate on fluctuating asymmetry and sexual selection - [Roshan Kumar VIJENDRAVARMA](#)
- 15:30 Integrating thermal limits of fertility and field microclimates to understand ectotherm responses to heatwaves - [Graziella IOSSA](#)
- 15:45 Confirming the identity of genes evolving under sexual selection in *Drosophila pseudoobscura* - [Michael RITCHIE](#)

14:00-16:00 – Villandry (L+2)

## ECOLOGY & BEHAVIOR

### Imaging sensing and tracking tools 2

*Thomas Steinmann, Andrew Straw*

- 14:00 Cracking a circuit for value-based memory in the larval brain - [Claire ESCHBACH](#)
- 14:30 Using an optical sensor to measure the ground reaction forces of insects during locomotion - [Vincent FOURCASSIE](#)
- 14:45 Kinematic reconstruction and dynamical analysis of microinsect flight: modelling - [Dmitry KOLOMENSKIY](#)
- 15:00 Evaluating the impact of bruchid beetle (*Bruchus rufimanus* Boh.) on faba bean (*Vicia faba* L.) seeds using 3D tomography analysis - [Antoine PICHON](#)
- 15:15 A new standardised method for high-throughput insect weight estimation from images - [Melika BAGHOEE](#)
- 15:30 Functional morphology of the water strider tarsus: unique adaptations and evolution of the surface gliding specialisations - [Jordan DRAPIN](#)
- 15:45 Comparative study of forewing surface ultrastructure in Eneopterinae crickets, with possible implication on male song frequency (Gryllidae, Eneopterinae) - [Louna ROYER](#)

Hall Bourdu (L-2)

16:00-16:30

COFFEE BREAK

16:30-18:30 – Francois 1er (L-1)

## INSECTS AS SOLUTIONS

### Biocontrol and integrated pest management 3

*Ingrid Arnault, Anaïs Chailleux, Thibault Nève de Mevergnies*

- 16:30 Predation of the invasive pea leaf weevil, *Sitona lineatus*, by an introduced generalist predator, *Pterostichus melanarius*, in pulse agroecosystems on the Canadian Prairies - [Maya EVENDEN](#)
- 17:00 Enhancing natural road verges to promote parasitism of Oak processionary moth (*Thaumetopoea processionea*) in urban landscapes - [Luc DE BRUYN](#)
- 17:15 Are reduced fertilization and biological control compatible for pest regulation? - [Ruo-Han MA](#)
- 17:30 Maize defence against *Ostrinia nubilalis* under drought: cultivar-specific stress interactions - [Luisa WIMMER](#)
- 17:45 Assessing non-intended effects of exclusion nets on natural enemies at local and landscape scales - [Tom SOUHIL](#)

- 18:00 Cross effects of biopesticides, temperature and intraguild interactions on the predatory capacity of the natural enemy *Forficula pubescens* (Dermaptera : Forficulidae) - [Pierre BABY](#)
- 18:15 Pesticide resistance reduces host suitability for the parasitoid *Aphidius colemani* - [Maximilien ADAM](#)

16:30-18:30 – Ronsard (L+1)

### ECOLOGY & BEHAVIOR

#### Plant-insect and plant-insect-microorganisms interactions 3

*Akiko Sugio, Antoine Guiguet, Aileen Berasategui*

- 16:30 Volatile chemicals mediate conifer-bark beetle-fungus interactions - [Dineshkumar KANDASAMY](#)
- 17:00 Silicon as a tool to improve maize defenses against *Spodoptera frugiperda* (J.E. Smith, 1797) (Lepidoptera: Noctuidae) under climatic stress conditions - [Aline S. GUIDOLIN](#)
- 17:15 Dynamic nutritional strategies in ants: exploring the role of plant in combating pathogens - [Danae NYCKEES](#)
- 17:30 Individual and interactive effects of drought, herbivory and developmental stage on Oak leaf chemistry - [Moe BAKHTIARI](#)
- 17:45 Plant-Microbe Interactions Between Entomopathogenic Nematode Symbiotic Bacteria and Tomato Plants - [APOSTOLOS KAPRANAS](#)
- 18:00 Independent and interactive effects of drought and herbivory on oak seedlings and their leaf fungal communities - [Tom BARLIER](#)
- 18:15 Insect symbionts used as seed inoculants establish endophytic interactions with maize: effects on the metabolomics of maize and the herbivore *Spodoptera frugiperda*. - [Fernando CONSOLI](#)

16:30-18:30 – Descartes (L+1)

### GLOBAL CHANGE

#### Biological invasion 3

*Mathieu Laparie, Christelle Robinet, Cléo Bertelsmeier*

- 16:30 Predicting and tracking invasive insects on the horizon - [Helen ROY](#)
- 17:00 Boring Business: Global Trade and Wood-Borer Interceptions in Great Britain - [Max BLAKE](#)
- 17:15 Implementing trapping networks with generic lures at ports-of-entry for early detection of non-native xylophagous species - [Alain ROQUES](#)
- 17:30 Enhancing Lepidoptera Identification in EU Import Controls: towards an identification key for larvae - [Andrea TADDEI](#)
- 17:45 Are declining forest stands stepping stones areas for exotic invasive species? - [Jérémy COURS](#)
- 18:00 Human-mediated dispersal of invasive termite pest species - [Thomas CHOUVENC](#)
- 18:15 Whole genome sequencing reveals multiple invasion routes of *Popillia japonica* in Switzerland - [Chiara PEDRAZZINI](#)

16:30-18:30 – Loches (L+1)

### EU-FUNDED PROGRAMMES 2

#### LIFE projects

#### Insects at the edge: LIFE-funded conservation strategies for Europe's threatened fauna

*Gustavo Becerra Jurado, Karen Lunan*

- 16:30 EU LIFE Programme funding direct conservation action to protect Europe's threatened insects - [Karen LUNAN](#)
- 16:50 Habitat Approach – Life 4OakForests – Conservation management tools for increasing structural and compositional biodiversity in Natura2000 oak forests - [Serena PETRONCINI](#)
- 17:05 Habitat Approach – Life SPAN – Conservation-oriented management affects beetle community in forests: Results from a multi-year experiment in forest stands in Italy and Germany - [Laura LORU](#)

- 17:20 Pollinators – Wild bees – A regional commitment to pollinator conservation - [Anne-Charlotte MONTEIRO](#)
- 17:35 Pollinators – Life4pollinators – Making cities pollinator-friendly in the Mediterranean area - [Marta GALLONI](#)
- 17:50 Species Approach – Life Apollo – Reintroduction of *Parnassius apollo* in Poland and Czech Republic basic on researches and project experience - [Tomáš Ernest VONDŘEJC](#)
- 18:05 Species Approach – Life Osmobaltic – Towards understanding ecological corridors for *Osmoderma barnabita*: Ongoing mark-recapture studies in urban and natural landscapes - [Maksims BALALAIKINS](#)
- 18:20 Closing remarks - [Gustavo BECERRA JURADO](#)

16:30-18:30 – Chinon (L+2)

### EVOLUTIONARY GENETICS

#### Genomics and evolutionary novelties 1

*Jean-Michel Drezen, Joana Meier*

- 16:30 Nudivirus domestication in Campopleginae wasps allows the production of Virus-like-Particles ensuring versatility of wasp virulence strategies - [Elisabeth HUGUET](#)
- 17:00 Unraveling the origins of Ichnoviruses: metagenomic discovery of a relative free-living virus - [Julien VARALDI](#)
- 17:15 Characterization of endogenous viral genes required at different stages of viral life cycle in ichneumonid wasps - [Ange LORENZI](#)
- 17:30 Role of bracovirus and transposable elements in a parasitoid wasp ongoing speciation. - [Camille HEISSERER](#)
- 17:45 RISC-bound small RNA-seq and degradomics in three leaf beetles reveal evolutionary insights into gene regulation - [Gözde GÜNEY](#)
- 18:00 Catching them all: Assessing the diversity and evolution of Iflaviridae genomes found in publicly available Lepidoptera sequencing data - [Astrid BRYON](#)
- 18:15 Widespread and diverse densovirus-derived endogenous viral elements reveal evolutionary insights in the whitefly *Bemisia tabaci* - [Kai-Heng WEI](#)

16:30-18:30 – Vouvray (L+2)

### SOCIAL INSECTS

#### Division of labour, behavioural specialisation and collective decision making 2

*Romain Libbrecht, Enikő Csata*

- 16:30 Challenges of desert ants while foraging: avoiding predators and rescuing nestmates - [Inon SCHARF](#)
- 17:00 Dealing with sanitary risks: corpse management in ant societies - [Claire DETRAIN](#)
- 17:15 Corpse removal in ant societies: a social response to pathogen vulnerability? - [Romain WILLEPUT](#)
- 17:30 Changes in gene expression linked to foraging choices in self-medicating *Lasius platythorax* ants - [Jason RISSANEN](#)
- 17:45 Task performance and queen presence influence the brain transcriptome in a bumble bee with a flexible division of labor system - [Guy BLOCH](#)
- 18:00 The reversible specialization of ant queens allows them to start a new colony again - [Hugo LE LAY](#)
- 18:15 The allometry of cutting efficiency in *Atta cephalotes* leaf-cutter ants - [Olivia WALTHAUS](#)

16:30-18:30 – Courteline (L+2)

### GLOBAL CHANGE

#### Insect and resistance mechanisms 2

*Steeve Thany, Emiliane Taillebois*

- 16:30 Spatio-temporal spread and evolution of pyrethroid resistance in cabbage stem flea beetle, *Psylliodes chrysocephala*, a major pest in European winter oilseed rape - [Ralf NAUEN](#)
- 17:00 The mode of action of neonicotinoid insecticides on insect nicotinic acetylcholine receptors highlights complex intracellular calcium mechanisms - [Steeve THANY](#)

- 17:15 **Insecticide resistance in a major invasive species, *Spodoptera frugiperda*, the role of CYP9As** - [Gaelle LE GOFF](#)
- 17:30 **Comparative molecular mechanisms of chlorantraniliprole resistance in three major lepidopteran pests: Insights from target-site mutations and metabolic detoxification** - [Juil KIM](#)
- 17:45 **Synergistic effect of S-methoprene and piperonyl butoxide against susceptible and resistant strains of the lesser grain borer, *Rhyzopertha dominica* (F.) (Coleoptera: Bostrychidae)** - [Maria SAKKA](#)
- 18:00 **The physiological changes induced by exposing insects to sublethal doses and compensatory phenomena are two key factors to take into account in pest management.** - [Valérie RAYMOND](#)
- 18:15 **Impact of organisms' origin and sensitivity to target pesticides on the outcome of residual pesticide exposure in a plant-aphid trophic system** - [Axel BERINGUE](#)

- 17:15 **AI Meets Entomology: Benchmarking Genus-Level Classification of European Bark Beetles** - [Intuon LERTRUSDACHAKUL](#)
- 17:30 **Identification of honey bee subspecies using wing images and artificial intelligence** - [Adam TOFILSKI](#)
- 17:45 **AphiDetect : open-by-design equipment and computer vision to characterize plant-aphid interactions in controlled conditions** - [Océane GOURDIN](#)
- 18:00 **Combining image database and deep learning to understand diversity of ant colors** - [SEBASTIEN OLLIER](#)
- 18:15 **From Zygote to Adult: A Comprehensive Single-Cell Multi-omics Atlas of *Drosophila* Development to train Deep Learning models** - [Hannah DICKMÄNKEN](#)

Hall Bourdu (L-2)

## POSTER SESSION 1

Please remove your poster before 5pm

16:30-18:30 – Bourgueil (L+2)

### INSECTS & SOCIETY

**From research to impact - Translating entomological science into policy and practice**

*David Giron, Christina Nilesen-Leroux, Elisabeth Herniou*

#### Insect Rearing

- 16:30 **NutrInsecta: science-based tools for insect production and emerging regulation in Colombia** - [Karol BARRAGÁN-FONSECA](#)
- 16:45 **IPIFF: Promoting Insects for Human Consumption & Animal Feed** - [Steven BARBOSA](#)
- 17:00 **Roundtable** - [Karol BARRAGÁN-FONSECA](#), [Steven BARBOSA](#), [Laura GASCO](#)

#### Pest control

- 17:30 **Example of a science-based implemented pest control programme** - [Laure KAISER-ARNAULD](#)
- 17:45 **Advancing sustainable solutions for genetic vector and pest control** - [Alessandra BOITI](#)
- 18:00 **Roundtable** - [Laure KAISER-ARNAULD](#), [Alessandra BOITI](#), [Stephan DIETRICH](#)

16:30-18:30 – Montlouis(L+2)

### EVOLUTIONARY GENETICS

**Eco-evolutionary dynamics of sexual selection and sexual conflicts 2**

*Lucas Marie-Orleach, Tim Janicke*

- 16:30 **The plasticity and evolution of sexual conflict in response to temperature** - [Pau CARAZO](#)
- 17:00 **Individual condition mediates the costs of sexual conflict through both male harm and female resistance** - [Miguel GOMEZ](#)
- 17:15 **Do males matter for offspring recruitment?** - [Anneli BRÄNDÉN](#)
- 17:30 **Ecological variables predict patterns of molecular evolution in seminal fluid proteins** - [Bahar PATLAR](#)
- 17:45 **Facultative parthenogenesis and sexual conflict in *Drosophila mercatorum*** - [Ellie SMITH](#)
- 18:00 **The very short sperm of *Cotesia congregata* and the tiny spermatheca: a chicken-and-egg type evolution?** - [Christophe BRESSAC](#)
- 18:15 **One mother for two species: obligate cross-species cloning in ants** - [Jonathan ROMIGUIER](#)

16:30-18:30 – Villandry (L+2)

### INSECTS & SOCIETY

**AI and machine learning**

*Miguel Pineirua, Toke Thomas Høye*

- 16:30 **The importance of integration - how automated monitoring methods can support the long-term monitoring of insects.** - [Charlie OUTHWAITE](#)
- 17:00 **AI-supported mosquito species identification based on wing images** - [Felix SAUER](#)

## Wednesday – 1 July

07:45-08h30 – Front of the Conference Centre  
**SPORT - Move like a bug 3**  
 Assisted Locomotion and Energetic Efficiency  
 (Nordic Walking)

07:45-08h30 – Lateral door entrance – Foyer (Level+1)  
**SPORT - Move like a bug 2**  
 Static Control and Dynamic Balance (Yoga)

08:00-16:00 **REGISTRATION** *Level 0*

08.45-10:00 – Francois 1er (L-1)  
**PLENARY LECTURE**  
*Elisabeth Huguet*

08:45 Announcements

09:00 **PLENARY LECTURE**

**An inordinate fondness for symbionts: Beneficial bacteria as sources of evolutionary innovations in beetles**  
[Martin KALTENPOTH](#) – Max Planck Institute for Chemical Ecology, Germany

*Hall Bourdu (L-2)*  
 10:00-10:30 **COFFEE BREAK**

10:30-12:30 – Francois 1er (L-1)  
**ECOLOGY & BEHAVIOR**  
**Plant-insect and plant-insect-microorganisms interactions 4**  
*Akiko Sugio, Antoine Guiguet, Aileen Berasategui*

- 10:30 **Experimental evolution reveals physiological and ecological costs of plant defence suppression in herbivores** - [Sara MAGALHÃES](#)
- 11:00 **Leaf penetration by endophytic *Metarhizium brunneum* enables infection of *Phthorimaea absoluta* in tomato mines while inducing the crop defense system** - [Esther AGUILERA CUENCA](#)
- 11:15 **Local adaptation in herbivorous insects: a meta-analysis** - [Shannon MURPHY](#)
- 11:30 ***Trichoderma harzianum* enhances indirect plant defenses induced by the stink bug *Nezara viridula*** - [Simona CONTI](#)
- 11:45 **Influence of Global Change-Driven Host Tree Stress Physiology on the Bark Beetle-Associated Microbiome Composition** - [Sara ŠIŠIĆ](#)
- 12:00 **Unveiling the factors shaping ecosystem stability under global change: phytochemistry and multitrophic interactions** - [Lucille CHRÉTIEN](#)
- 12:15 **Genetic diversity and outbreaks of the gall midge *Schizomyia castanopsisae* (Diptera: Cecidomyiidae) in Japan** - [Makoto TOKUDA](#)

10:30-12:30 – Descartes (L+1)  
**GLOBAL CHANGE**  
**Thermal ecology and climate change 3**  
*Sylvain Pincebourde, Quentin Willot, Hervé Colinet*

- 10:30 **Towards an integrated framework of thermal damage and repair dynamics in ectotherms** - [Michael ØRSTED](#)
- 11:00 **Separating good from bad - finding the critical temperature that separates stressful and permissive temperature ranges for ectothermic organisms** - [Andreas FABER](#)
- 11:15 **Crossing thermal boundaries: Quantifying the developmental impact and energetic cost of sublethal**

**heat stress in black soldier fly (*Hermetia illucens*)** - [Johannes OVERGAARD](#)

- 11:30 **Metabolomic profiling of dose-dependent heat stress response in *Drosophila suzukii*** - [Jonas WESSELTOST](#)
- 11:45 **Linking respiratory structures to heat and desiccation tolerance in terrestrial isopods** - [Camille MORGAINT](#)
- 12:00 **Does the timing of heat events matter for the evolution of life-stage- and sex-specific thermal tolerance?** - [Abhishek MEENA](#)

10:30-12:30 – Loches (L+1)  
**BIODIVERSITY**  
**Insect decline and conservation biology 1**  
*Christophe Bouget, Thibault Lachat*

- 10:30 **Present state of the insect decline debate** - [Roel VAN KLINK](#)
- 11:00 **Cinderella biodiversity: capturing long-term abundance and phenology trends in undervalued, forgotten and often sparsely recorded insects and spiders.** - [James R. BELL](#)
- 11:15 **Genomics of *Bombus veteranus*, an endangered bumblebee in restored floodplains in the Netherlands** - [Bart PANNEBAKKER](#)
- 11:30 **Archived natural eDNA samplers reveal four decades of biodiversity change in terrestrial and aquatic arthropod communities** - [Henrik KREHENWINKEL](#)
- 11:45 **Assessing the in natura effects of pesticide use on a wide range of flower visitors in France** - [Sarah BOURDON](#)
- 12:00 **Resurveying Swiss Agricultural Landscapes: Changes in Ground Beetle Abundance and Biodiversity Over Three Decades** - [Dani LUCAS-BARBOSA](#)
- 12:15 **Historical baseline to track long term insect decline using museum specimens** - [Jérémy GAUTHIER](#)

10:30-12:30 – Chinon (L+2)  
**EVOLUTIONARY GENETICS**  
**Genomics and evolutionary novelties 2**  
*Jean-Michel Drezén, Joana Meier*

- 10:30 **How landscape structure shapes the spread of invasive insect pests** - [Manuela BRANCO](#)
- 11:00 **The impact on a diverse beetle community from the dieback of a dominant canopy tree species (*kauri*, *Agathis australis*) in New Zealand.** - [Carl WARDHAUGH](#)
- 11:15 **Native, introduced and invasive ambrosia beetles in Hungary** - [Ferenc LAKATOS](#)
- 11:30 **What lies behind a successful pest and vulnerable forest ecosystem? Effect of diversity, forest structure and prey defence strategy on predation risk** - [Magnus JONSSON](#)
- 11:45 **The role of broadleaved hedgerows in forest arthropod conservation in pine plantations** - [Nattan PLAT](#)
- 12:00 **Forest structure matters: responses of saproxylic beetles to management** - [Alice LENZI](#)

10:30-12:30 – Vouvray (L+2)  
**INSECTS & SOCIETY**  
**Insects and ecosystems services in agriculture 1**  
*Cécile Le Lann, Kevin Tougeron*

- 10:30 **Life cycle simplification in aphids drives changes in evolutionary rates and selection regimes** - [Jean-Christophe SIMON](#)
- 11:00 **When and how inversion polymorphisms bias demographic and selection inference - a case study in the spruce bark beetle (*Ips typographus*)** - [Krystyna NADACHOWSKA-BRZYSKA](#)
- 11:15 ***Drosophila* glue: biomechanics, genome evolution and ecology** - [Virginie COURTIER](#)
- 11:30 **Hidden Battles Within: Gene Expression Landscapes Underlying Emamectin Resistance in *Trichogramma chilonis*** - [RAMYA RAMESAN SYAMALA](#)
- 11:45 **Dynamics of Aphid Speciation and Genome-Based Outbreak Prediction** - [Hwalran CHOI](#)
- 12:00 **Mastering a novel behaviour: how flies evolved eye movements** - [Pavel KVIATKO](#)

12:15 From Plants to Insects: Horizontally Transferred Phenylpropanoid-Biosynthesis Genes and Stress Resilience in *Bemisia tabaci* - Dor WINTRAUBE

10:30-12:30 – Courteline(L+2)

### PHYSIOLOGY & BIOCHEMISTRY Neurobiology and sensory systems 1

Steeve Thany, Emily Baird

- 10:30 Outsmarting wireworms: combining semiochemicals and entomopathogens for sustainable pest management - François VERHEGGEN
- 11:00 Drift Exposure in Flower Strips: Functional Responses of Arthropods and Implications for Ecosystem Services - Vera ZINA
- 11:15 Enhancing semi-natural grassland quality promotes invertebrate community diversity and composition - Alfie CAVALIERO
- 11:30 Disrupting insect pests through crop diversification: An oilseed rape -faba beans case study - Laurie MAGNIN
- 11:45 First surveys on some natural antagonists of the invasive alien species *Zelus renardii* (Hemiptera: Reduviidae) - Sandro FLORE
- 12:00 Multi-scale drivers of arthropod predator distribution and diversity for predictive biocontrol in Mediterranean citrus landscapes. - Emma CARRIÉ
- 12:15 Entomopathogenic Nematodes: An effective treatment for sustainable whitefly control in mulberry (*Morus alba* L.) cultivation. - Myrto STAMOULI

10:30-12:30 – Bourgueil (L+2)

### INSECTS & SOCIETY Forest entomology 1

Marie-Anne Auger-Rozenberg, Carole Kerdelhue, Dimitrios Avtzis

- 10:30 Cognitive Neuroscience in Miniature Brains - Long-Term Memory and Higher-Order Learning in Honey Bees - Martin GIURFA
- 11:00 Exploring the effect of temperature on insect sensory physiology and behaviour - Emily BAIRD
- 11:15 Pheromonal information processing in the honey bee brain - Julie CARCAUD
- 11:30 Influence of social and ecological factors on the evolution of the olfactory system in Hymenoptera - Simon MARTY
- 11:45 Connectome of a miniature wasp's antennal-head proprioceptors reveals drastic adaptations to miniaturization and potential for biomorphic network prototyping - Anna DIAKOVA
- 12:00 A multi-scale investigation of olfaction in arthropods - Ryan PALMER
- 12:15 A Ca<sup>2+</sup>-activated Cl<sup>-</sup> channel shapes olfactory receptor neuron responses and modulates olfactory behaviors in *Drosophila melanogaster* - Qian CAO

10:30-12:30 – Montlouis (L+2)

### INSECTS & SOCIETY Global Entomology Strengthening North-South cooperation

Pierre Olivier Maquart, Christophe Bressac

- 10:30 Reimagining Human-Nature Relationships: Global Collaborations with People and Wasps - Seirian SUMNER
- 11:00 Sustainable North-South Cooperation in Medical and Veterinary Entomology: The Model of Institut Pasteur du Cambodge - Sébastien BOYER
- 11:15 Molecular inventory of insects in a biodiversity hotspot: empowering women through community-based actions in the Guinean Forests of West Africa - Lucas SIRE
- 11:30 Insects for Peace as a living laboratory for North-South cooperation in applied entomology - Karol BARRAGÁN-FONSECA
- 11:45 Local-international collaborations to discover Neotropical species interactions and hidden biodiversity declines. - Lee DYER

12:00 Improving organic waste treatments through insect bioconversion: lessons from Indonesia - Pierre-Olivier MAQUART

12:15 Taxonomy and Systematics. The lessons from the Global South. - Philippe LE GALL

10:30-12:30 – Villandry(L+2)

### INSECTS & SOCIETY Forensic entomology

Lena Lutz, Giuseppina Carta

- 10:30 Hidden diversity on urban carcasses - the role of microhabitats in insect succession - Danuta KADLUB
- 11:00 The compound method for estimating post-mortem interval based on insect evidence - Szymon MATUSZEWSKI
- 11:15 Beyond Murder: Why Every Entomological Case Matters - Lena LUTZ
- 11:30 Effects of Lysthenon (Succinylcholine Chloride) on the Development of *Calliphora vicina* Robineau-Desvoidy 1830 (Diptera: Calliphoridae) and PMI Estimation - Bahriye AYAZ
- 11:45 Occurrence and forensic relevance of *Chrysomya albiceps* (Insecta: Diptera: Calliphoridae) in Poland and Germany - Patrycja ZBIERALSKA
- 12:00 From parasitism to keratin resource - hexapod succession on hair - Katarzyna PALACZ-ZIÓ?EK
- 12:15 Assessment of the effect of height on the distribution of Diptera of forensic interest in an urban context - Asia Beatrice LANCELOTTI

Hall Bourdu (L-2)

13:00-14:30 LUNCH BREAK

12:50-13:50 – Loches (L+1)

### CAREER IN ENTOMOLOGY 2 Boosting Your Career in Insect Science: Individual international fellowships

Gayanaka Wijethilake, David Giron

- 12:50 From postdoc to PI: MSCA fellowships, ERC grants & the Région CVL toolkit - Gayanaka WIJETHILAKE
- 13:05 MSCA fellowships – Chillants – Comparative physiology of adaptation to cold-extremes in boreal ants – Quentin WILLOT
- 13:15 ERC starting grant – The multitudes of mosquito viruses and their impact on Arbovirus disease ecology – Cassandra KOH
- 13:25 ERC consolidator grant – Zombihaviour – Leveraging the zombie-making strategies of *Ophiocordyceps* fungi to understand animal behaviour – Charissa BEKKER
- 13:35 General discussion

12:50-13:50 – Courteline (L+2)

### SCIENTIFIC COMMUNICATION AND PUBLISHING IN ENTOMOLOGY 2 Open science and open access From publication models to scholarly communication

Maria Kolesnikova, Denis Bourguet

- 12:50 Open science practices and open access publishing - Maria KOLESNIKOVA, Denis BOURGUET

12:50-13:50 – Montlouis (L+2)

### SATELLITE MEETING ECE Praesidium

Archie Murchie

13:00-14:30 – Villandry (L+2)

### ENTOMOLOGY TRIVIA CHALLENGE Battle of the brains

Thomas Hall

14:00-16:00 – *Francois 1er (L-1)*

## ECOLOGY & BEHAVIOR

### Plant-insect and plant-insect-microorganisms interactions 5

*Akiko Sugio, Antoine Guiguet, Aileen Berasategui*

- 14:00 Hidden diversity of gall midges (Diptera: Cecidomyiidae) associated with flower buds - [Ayman Khamis ELSAYED](#)
- 14:30 Insect sentinel species exploring and monitoring agroecosystem viruses - [Léo BLONDET](#)
- 14:45 Friend, Foe or Freeloader: Commensalisms in Generalist Predators - [Rosy CHRISTOPHER](#)
- 15:00 Flower-derived arthropod eDNA reveals community diversity, species abundances and ecological interactions - A case study in bee pollinators - [Arndt SCHMIDT](#)
- 15:15 Host ecology and phylogeny shape the temporal dynamics of social bee viromes - [Vincent DOUBLET](#)
- 15:30 Integrating ecological and macroevolutionary perspectives on host-use dynamics in seed Beetles (Coleoptera: Chrysomelidae: Bruchinae) - [Roland GODON](#)
- 15:45 Tree-specific associations, not canopy flora, explain the composition of canopy leaf beetle communities in tropical forests of Ecuador - [Jesús GÓMEZ-ZURITA](#)

14:00-16:00 – *Descartes (L+1)*

## GLOBAL CHANGE

### Thermal ecology and climate change 4

*Sylvain Pincebourde, Quentin Willot, Hervé Colinet*

- 14:00 Local adaptation of diapause induction has strong timing-dependent fitness effects but does not limit the range expansion of a temperate butterfly. - [Karl GOTTHARD](#)
- 14:30 Life in the Arctic: Seasonal Pressure Shapes Physiology, bPhenology, and Microclimate Use in Ants - [Quentin WILLOT](#)
- 14:45 Physiological mechanisms of cold tolerance plasticity and its role in the recent poleward expansion of the invasive vector mosquito *Aedes albopictus* - [Samantha STURIALE](#)
- 15:00 Overwinter life stage is a key determinant of diapause metabolic plasticity - [Kevin ROBERTS](#)
- 15:15 Unique winter diapause strategies in aphids in the face of climate change - [Roma DURAK](#)
- 15:30 Range shift and thermal tolerance in the seaweed flies *Coelopa pilipes* and *C. frigida* - [Andréa CLOUARD](#)
- 15:45 Thermoregulation and adaptations to climatic variations in mountain butterflies - [Théo CHAVANIS](#)

14:00-16:00 – *Loches (L+1)*

## BIODIVERSITY

### Insect decline and conservation biology 2

*Christophe Bouget, Thibault Lachat*

- 14:00 Shifts in baselines: Long-term changes of insect communities - [Eva KNOP](#)
- 14:30 Hoverfly biodiversity, size and diet as potential indicators for agroecological transformation in the agricultural landscape - [Annette HERZ](#)
- 14:45 A landscape-scale experiment shows that the effects of habitat loss outweigh those of fragmentation on ground-dwelling arthropods - [Olivier BLIGHT](#)
- 15:00 Landscape composition outperforms configuration in predicting bee communities across different habitats in France - [Lázaro DA SILVA CARNEIRO](#)
- 15:15 Historical baselines reveal long-term trends in ground-beetle diversity in Dutch coastal dunes - [Gijs GERRITS](#)
- 15:30 Habitat specific pollinator assemblages and interaction networks in a gypsum dominated landscape - [Laura ZAVATTA](#)

14:00-16:00 – *Chinon (L+2)*

## EVOLUTIONARY GENETICS

### Genomics and evolutionary novelties 2

*Jean-Michel Drezen, Joana Meier*

- 14:00 One Order, Many Strategies: Comparative Genomics of Hymenopteran Diversity - [Alexandra CERQUEIRA DE ARAUJO](#)
- 14:30 Reference genomes for all European Lepidoptera: The 10kLepGenomes COST Action - [Pedro RIBEIRO](#)
- 14:45 A three body problem: primary sex determination signals in parasitoid wasps - [Filippo GUERRA](#)
- 15:00 Insights on the structure, organization and regulation of Tephritid sex chromosomes. - [Dimitris RALLIS](#)
- 15:15 Stage-Dependent Antennal Proteomics in *Bombus terrestris* (L.): From Larva to Adult - [Irem KISMET](#)
- 15:30 Investigating the ongoing Invasion of a Transposable Element in European lepidoptera genomes. - [Noé DOGBO](#)
- 15:45 Repeated Horizontal Gene Transfer Enables Varying Levels of Cyanide Detoxification Across Herbivorous Clades of Arthropods - [Lennert BEELE](#)

14:00-16:00 – *Vouvray (L+2)*

## INSECTS & SOCIETY

### Insects and ecosystems services in agriculture 2

*Cécile Le Lann, Kevin Tougeron*

- 14:00 Evidence based plant protection: prospects of the future farm advisory - [Emmanouil RODITAKIS](#)
- 14:30 RNA interference as a new tool for Integrated Pest Management: developing protocols for the evaluation of non-target effects on beneficial species - [Francesca CANUTO](#)
- 14:45 AgriPV Systems as Drivers of Insect-Mediated Ecosystem Services in European Agriculture - [Claus RASMUSSEN](#)
- 15:00 Little known pest, *Euproctis lunata* (Erebidae: Lepidoptera) of castor plants: Insights into its biology and entomopathogenic fungi based sustainable management - [Muhammad Irfan ULLAH](#)
- 15:15 Beneficial Entomofauna in {*Opuntia ficus indica*} Cultivation - [Hilda K ESCAMILLA-ROMÁN](#)
- 15:30 Different insecticide exposure routes influence toxicity and behavioural responses in *Bombus terrestris*. - [Eva María PÉREZ LAJARÍN](#)
- 15:45 More than biodiversity loss: rainforest conversion to monoculture plantations selects for land-use specific functional braconid wasp communities - [Azru AZHAR](#)

14:00-16:00 – *Courtelaine (L+2)*

## PHYSIOLOGY & BIOCHEMISTRY

### Neurobiology and sensory systems 2

*Steeve Thany, Emily Baird*

- 14:00 The behavioral and neural basis of the Monarch butterfly compass - [Basil EL JUNDI](#)
- 14:30 Scaling of the minute wasp brain under artificial selection - [Anastasia MAKAROVA](#)
- 14:45 Sugar perception in phloem-feeders - from feeding-site allocation to regulation of sugar intake - [Shai MORIN](#)
- 15:00 How does miniaturization shape sensory systems? Whole-body sensilla mapping in a miniature beetle *Scydosella musawasensis* (Coleoptera: Ptiliidae). - [Kseniia ABU DIIAK](#)
- 15:15 Neuroecology of Dipteran Halteres - [Anna VERBE](#)
- 15:30 Muscarinic Receptor-Mediated Control of Salivation in the Tick *Ixodes ricinus* - [Ladislav SIMO](#)
- 15:45 Environmental control of oviposition preference in *Drosophila melanogaster* - [Ayesha MOHIUD DIN](#)

14:00-16:00 – Bourgueil (L+2)

## INSECTS & SOCIETY Forest entomology 2

Marie-Anne Auger-Rozenberg, Carole Kerdelhue, Dimitrios Avtzis

- 14:00 Bark beetle diapause: Using eco-physiology and genomics to predict outbreaks - [Martin SCHEBECK](#)
- 14:30 Inter-continental introgression in the winter pine processionary moth species complex: phylogenetic and genomic perspectives - [Carole KERDELHUE](#)
- 14:45 An emerging threat: The potential European spread of *Xylotrechus chinensis* - [Jean-Pierre ROSSI](#)
- 15:00 Distribution of the genetic diversity of the Oak splendour beetle *Agrilus biguttatus* (Coleoptera: Buprestidae) across Europe - [Stéphanie BANKHEAD](#)
- 15:15 Visual Ecology of Cerambycidae: Color Sensitivity and Trap Optimization for Improved Pest Detection - [Laura Rita BESANA](#)
- 15:30 In silico work as a first step towards valid molecular confirmation of alien *Cnestus* species - [Elena L. T. BACHER](#)
- 15:45 Climate warming drives the range expansion of the pine processionary moth *Thaumetopoea pityocampa* (Lepidoptera, Notodontidae) in the European Alps - [Sonja MADER](#)

14:00-16:00 – Villandry(L+2)

## PHYSIOLOGY & BIOCHEMISTRY Endocrinology & hormonal regulation in insects

Charlotte Lécureuil, Rosario Planello

- 14:00 Insect insulins: similar, yet different - [Jose L. MAESTRO](#)
- 14:30 Microscopical Characterization of the Corpus Allatum in Mosquitoes: Insights into Juvenile Hormone Feedback and Gland Complex Organization - [Fernando Gabriel NORIEGA](#)
- 14:45 The clock-related neuropeptide Pigment Dispersing Factor is essential for the photoperiodic reproductive switch of the pea aphid - [Francesca Sara COLIZZI](#)
- 15:00 Revisiting the dogma about the anti-metamorphic role of juvenile hormone - [Miriam PEKLANSKA](#)
- 15:15 The role of juvenile hormone in innate immunity - [Tereza DOLEJSKOVA](#)
- 15:30 Dissecting global neuropeptide precursor processing phenotypes in *Tribolium castaneum* using CRISPR-imaging lines and neuron-specific gene knockout - [Lisha ZHENG](#)
- 15:45 Octopaminergic and Tyraminerpic Control of *Ixodes ricinus* Salivary Glands - [Sabine RAKOTOBÉ](#)

14:00-16:00 – Montlouis (L+2)

## SATELLITE MEETING Entomological Societies

Simon Ward

Hall Bourdu (L-2)

16:00-18:00  
ICE BREAKER  
Wine, Cheese & Posters

17:00-18:00 – Loches (L+1)

## INSECTS & SOCIETY From research to impact - Translating entomological science into policy and practice

David Giron, Christina Nilesen-Leroux, Elisabeth Herniou

### Insect conservation

- 17:00 Title: How to communicate about research with policymakers - [Stephen VENN](#)
- 17:10 For a better understanding of conservation biological control methods : assessment of the rate of use, feasibility and cost-effectiveness - [Alexandre BARRAUD](#)

17:20 Restoring pollinators: research, policy and practice - [Jane STOUT](#)

17:30 Extending pesticide risk assessment beyond *Apis mellifera*: a trait-based vulnerability framework for wild pollinators - [Sabrina PESARINI](#)

17:40 Roundtable - [Alexandre BARRAUD](#), [Jane STOUT](#), [Sabrina PESARINI](#), [Renaud BAETA](#), [Stephen VENN](#)

17:00-18:00 – Chinon (L+2)

## HONOURING A LIFE IN ENTOMOLOGY A tribute to Marylène Poirié

Jean-Michel Drezen, Jean-Luc Gatti

17:00 Pr. Marylène Poirié Memorial: a life devoted to Molecular Insect Science - [Jean-Michel DREZEN](#)

17:15 Venom Proteins and the Virulence of Parasitoids - [Jean-Luc GATTI](#)

17:30 Insects, Viruses, Venom et al.: Interactions - [Francesco PENNACCHIO](#)

17:45 The interplay between aphid immunity and symbiosis - [Federica CALEVRO](#) & [Jean-Christophe SIMON](#)

17:00-18:00 – Vouvray (L+2)

## CAREER IN ENTOMOLOGY 4 Careers in insect science – pathways, case studies and inspiring the next generation

Francisca Sconce

17:00 Careers in insect science - Pathways, case studies and inspiring the next generation - [Francisca SCONCE](#)

17:00-18:00 – Courtelaine (L+2)

## RESEARCH FRONTIERS IN INSECT SCIENCE 5 Cutting-edge methods for the functional characterization of arthropod genes

Alberto Maria Cattaneo, Sander De Rouck

17:00 DNA repair pathways in the two-spotted spider mite *Tetranychus urticae* - Enhancing homology-directed repair - [Sander DE ROUCK](#)

17:30 Alternative strategies based on transgenic *Drosophila melanogaster* for the functional characterization of insect Ionotropic Receptors - [ALBERTO MARIA CATTANEO](#)

16:00-18:00 – Bourdu (L-2)

## POSTER SESSION 2 Wine & Cheese

W265 First Records of Predatory Coccinellids in Urban Green Spaces of Northern Jordan: Ecological and Conservation Implications - [Asem ABU ALLOUSH](#)

W266 New records of shore flies (Diptera, Ephydriidae) from Morocco - [Rachida AKHRIF](#)

W267 Effects of landscape fragmentation and warming on the recovery of invertebrate communities following soil disturbance - [Ana BURÓN-UGARTE](#)

W268 Landscape configuration filters dispersal-related traits in phytophagous scarab beetles (Coleoptera: Scarabaeidae) of the Serranía del Perijá - [Sandy GARCIA-ATENCIA](#)

W269 The effects of treed crop borders and roadside floral abundance on bee abundance and flight direction next to highways - [Lesha Shea GIESBRECHT](#)

W270 Epigeal insect diversity in *Nothofagus pumilio* forests in Chilean Patagonia - [Mauricio GONZALEZ-CHANG](#)

W271 Post-disturbance deadwood retention increases moth diversity in Central European mixed mountain forests - [Laura HARMS](#)

W272 Linking Landscape Complexity to Wild Bee Diversity: Evidence from Estonian Agroecosystems - [Riina KAASIK](#)

W273 Study on spatial and temporal changes in butterfly communities in Mt. Hallasan, Korea - [Yeongdon LEE](#)

W274 Warming and insecticide contamination interact to disrupt molecular pathways, physiology, and survival in flies and bees - [Felipe MARTELLI](#)

- W275 Priority Areas for the Conservation of Natura 2000 Lepidoptera Species in Zagreb County (Croatia) Based on a Five-Year Survey - [Tatjana MASTEN MILEK](#)
- W276 20 years of *Lycaena helle* and *Phengaris teleius* protection in Kampinoski National Park - [Michal MIAZGA](#)
- W277 Conservation value of secondary and plantation forests for fruit-feeding butterflies in northern Vietnam. - [Thi Minh Thi NGUYEN](#)
- W278 Biodiversity of Scale Insects (Hemiptera: Coccomorpha) in the Brazilian Cerrado, Including a New Genus and Two New Species - [Vitor PACHECO DA SILVA](#)
- W279 Genomics of *Bombus veteranus*, an endangered bumblebee in restored floodplains in the Netherlands - [Bart PANNEBAKKER](#)
- W280 Taxonomic and functional responses of wild bees to semi-natural habitats embedded in agricultural landscapes - [Anna SOBIERAJ-BETLIŃSKA](#)
- W281 Ground beetle assemblage structures in solar parks: What drivers shape them? - [Márton Zoltán SZABÓ](#)
- W282 Factors influencing the diversity of sphecid wasps (Hymenoptera, Apoidea, Spheciformes) on fallows in Kampinos National Park, Poland - [Katarzyna SZCZEPKO-MORAWIEC](#)
- W283 Diversity and Temporal Distribution of Carrion-Associated Ants (Hymenoptera: Formicidae) on Decomposing Rabbit Carcasses in Two Mountainous Sites of Southwestern Saudi Arabia - [Reem ALAJMI](#)
- W284 Investigations on Root Colonies of the Woolly Apple Aphid (WAA) *Eriosoma lanigerum* on Apple Plants - [Manfred WOLF](#)
- W285 Molecular inventory of insects in a biodiversity hotspot: empowering women through community-based actions in the Guinean Forests of West Africa - [Lucas SIRE](#)
- W286 Changes in Female Genital Morphology Following Copulation in *Schizocosa tristani* - [Ian ABREU PICART](#)
- W287 Not all *Aphytis* are idiobionts: host reproduction allowed but molting prevented in a new species targeting *San Jose scale* - [Paula ALTESOR](#)
- W288 Immune anticipation in *Drosophila melanogaster* - [Darshika DISSAWA](#)
- W289 Z-chromosomal and autosomal influence on diapause termination in *Cydia pomonella* - [Lea DÖRSAM](#)
- W290 Parental care in burying beetles as a behavioural link between climate change and soil nutrient dynamics - [Isobel GRIEVE](#)
- W291 Physiological and behavioral responses of the parasitoid *Ganaspis kimorum* to volatile compounds from fruits infested by *Drosophila suzukii* - [EMILIO GUERRIERI](#)
- W292 Effects of symbiont acquisition timing on performance of host insects, *Riptortus pedestris* (Hemiptera: Alydidae), under laboratory conditions - [Kim JOO-YOUNG](#)
- W293 Symbiotic effects on predator-prey interactions of host insect *Riptortus pedestris* (Hemiptera: Alydidae) - [Joo-Young KIM](#)
- W294 Natural Enemies of *Halyomorpha halys*: Parasitism and Host-Tracking in an Urban Area in Serbia - [Aleksandra KONJEVIC](#)
- W295 Insights into the Oviposition Behaviour of *Ceutorhynchus picatoris* - [Larissa MICHAELIS](#)
- W296 Effect of mowing on assemblages of epigeic ants, beetles and spiders in green spaces at Walter Sisulu University, Mthatha Campus - [THABISA MKUZO](#)
- W297 The Hidden Half of the Woolly Apple Aphid and Its Parasitoid: Subterranean Populations and Overwintering Behaviour. - [Elena MONARI](#)
- W298 Locomotor behaviour of *Dermanyssus gallinae*: effect of the substrate layout, from individuals to population - [Léa MOUTOIR](#)
- W299 A multiscale approach to characterize interactions between two mirid predators in a tropical area. - [Juliette POIDATZ](#)
- W300 Affordance-Based Landing on Moving Flowers to Model Decision and Control Mechanisms of Honeybees Flowers - [Nicolas SALVAGE](#)
- W301 Foraging in the margin: metabarcoding to reveal bird prey use adjacent to production systems - [Jason SCHMIDT](#)
- W302 Sexual behavior and mating system of the parasitoid *Tetrastichus howardi* (Hymenoptera: Eulophidae) - [Christian TORRES](#)
- W303 Centipedegrass Pollen: An Overlooked Resource for Foraging Bees - [Shimat VILLANASSERY JOSEPH](#)
- W304 Study of genetic structure of Russian populations of the bird cherry-oat aphid *Rhopalosiphum padi* (L.) using phenological observations and SSR-analysis - [Fedor EREMEEV](#)
- W305 Susceptibility of *Spodoptera frugiperda* larvae (Lepidoptera: Noctuidae) to commercial microbial agents under laboratory conditions - [Anastasia PARASKEVOPOULOU](#)
- W306 Exploring the role of plant diet on symbiont communities in thrips - [Sophie AGOSTINI](#)
- W307 Floral Resource Diversity Drives Behavioural and Reproductive Outcomes in *Osmia* spp. (Hymenoptera: Megachilidae) - [Gabriel ARBONA](#)
- W308 Preliminary Insights into Fungal-Beetle Interactions in Loire Valley Vineyards - [Ingrid ARNAULT](#)
- W309 Thermal and age-dependent parasitism of Banana Spotting Bug Eggs by *Anastatus* sp. - [Lok Nath ARYAL](#)
- W310 Fighting the Flea Beetle: Genetic Secrets of Resistance in *Sinapis alba* - [Amrithapriya BINDU](#)
- W311 Roles of the endosymbiont *Wolbachia* in reproductive manipulation and host plant adaptation of spider mites - [Xiao-Li BING](#)
- W312 Honey as a window on plant-microbiota-bee interactions ? Shedding light on the diversity of the honey bee microbiome. - [Julie BIRGEL](#)
- W313 Date Odors Shape Sugar-Foraging Behavior in *Aedes* Mosquitoes - [Jonathan BOHBOT](#)
- W314 Seduced by Scent, doomed by fitness - *Ips typographus*' attraction to an occasional host - [Jana Gabriele BURCHARDS](#)
- W315 Cultural, morphological, physiological, and molecular characterization of *Monilophthora roleri*, the causative agent of cocoa moniliasis in the Ecuadorian Amazon - [KARINA CARRERA](#)
- W316 Life cycle of the spittlebug *Mahanarva andigena* on sugarcane seedlings - [KARINA CARRERA](#)
- W317 Plant-insect-symbiont interaction networks shaped by elevational gradients and landscape composition - [Marguerite CHARTOIS](#)
- W318 From random bacteria in decaying wood → to specific gut helpers in saproxylophagous caterpillars - [Kateřina CZAJOVÁ](#)
- W319 Leaf sodium levels modulate plant defense barriers against phytophagous insects - [Ilaria DI LELIO](#)
- W320 From feeding behavior to population growth: Multilevel impacts of bifenthrin resistance in *Dalbulus maidis* (DeLong & Wolcott, 1923) - [Gabriel DIAS](#)
- W321 Impact of pea enation mosaic virus 1 and 2 on aphid feeding behavior - [Martin DRUCKER](#)
- W322 When bacteria strike: behavioral and enzymatic responses of aphids to *Bacillus subtilis* - [Roma DURAK](#)
- W323 Biotremology on a tri-trophic system: feeding vibrations of *Liriomyza trifolii* and their role as kairodones - [Stefano GALVAGNI](#)
- W324 Cereal grasses as alternative host plants for *Rhopalosiphum padi* (L.) in the northwestern and southern parts of the species range in Russia - [Elena GANDRABUR](#)
- W325 Agroecological strategies for sustainable management of *Phthorimaea absoluta* in processing tomato: results from a two-year field study in southern Italy - [EMILIO GUERRIERI](#)
- W326 We're not all the same: Intraspecific differences in the extended phenotype of gall wasps (Cynipidae) - [Thomas HALL](#)

- W327 **IPS – Innovative Pest Sustainable Control: Microbiome Responses to Natural Extract Control Formulations in *Ips typographus*** - [Thomas HEAVEN](#)
- W328 **Exploring and characterising the role of volatile organic compounds from aromatic plants to disrupt interactions between grapevines and the insect vector, *Scaphoideus titanus*** - [Salomé IFERGAN](#)
- W329 **Effects of drought stress on fall armyworm infestation and oviposition in different maize varieties** - [OREOLUWA ILOBOLUTIFE](#)
- W330 **Buzzing Benefits: Pollinator Diurnal Behaviour and Complementarity Drive Strawberry Yield and Vitamin C** - [Katie JAMES](#)
- W331 **Aphid-associated bacteria shape both early and long-term dynamics of ant-aphid interactions** - [Margaux JOSSART](#)
- W332 **Aphid-Plant Cross Talk in Gall Formation: Insights into Metabolic Reprogramming and Host Defense Responses** - [Katarzyna KMIEC](#)
- W333 **Strip cropping soil legacy modifies fertilizer effects on cabbage herbivores** - [Andi Dirham NASRUDDIN](#)
- W334 **Spatial Ecology of Aphid Protective Symbionts** - [Will PAINE](#)
- W335 **Behavior of the pest insect *Caliroa cerasi* (Hymenoptera: Tenthredinidae) in response to endophytic fungi associated with cherry plants.** - [Pablo PARRA-VERDUGO](#)
- W336 ***Striacosta albicosta* (Lepidoptera: Noctuidae) in corn: biology, distribution, management and mitigation of its impacts on mycotoxins production.** - [Julien SAGUEZ](#)
- W337 **Strong fitness costs of fall armyworm resistance to dual-gene bt maize are magnified on less-suitable host-crop cultivars** - [Oscar Fernando SANTOS AMAYA](#)
- W338 **Manipulation of host plant biology by the pea aphid, *Acyrtosiphon pisum*** - [Akiko SUGIO](#)
- W339 **Soil-dwelling insects as drivers of rhizosphere microbial dynamics** - [Ayse TORRES AGAMA](#)
- W340 **Effect of plant-plant competition on plant defence and insect communities** - [Laura ZUIDEMA](#)
- W341 **Female-biased captures of Calliphoridae in small-bait traps: Patterns across species and environmental variation** - [Denis BOUDREAU](#)
- W342 **Invasion-resistance in experimental *Drosophilidae* communities: native species limit *Drosophila suzukii* invasion success** - [Méghan BOULEMBERT](#)
- W343 **A Mechanistic, Spatially Explicit Model of Predator–Pest Dynamics in Heterogeneous Agricultural Landscapes** - [Andrew CORBETT](#)
- W344 **Investigating factors influencing the outbreak of woolly apple aphid *Eriosoma lanigerum* in apple orchards in South Tyrol (Northern Italy)** - [Matilde FRASCARI](#)
- W345 **Temporal morphological changes in carabid beetle communities in agroecosystems over 3 decades** - [Yohann GRAUX](#)
- W346 **Diversity and population dynamics of some predatory spiders from district Loralai, Balochistan, Pakistan.** - [Bital Saeed KHAN](#)
- W347 **Species diversity, population dynamics, and distribution of *Dacus* fruit flies on cucurbits in South Africa** - [Nomathamsanqa MKHIZE](#)
- W348 **First evidence of parthenogenesis in Byrrhoidea: The case of *Cytilus sericeus*** - [Sára ŠEBESTOVÁ](#)
- W349 **Cross-Habitat Movement of the Olive Fly in Mediterranean Mosaics: Evidence for Forest-Associated Thermal Sheltering** - [Giorgos STAVRIANAKIS](#)
- W350 **How to eradicate an invasive forest pest without clear-cutting** - [Hongyu SUN](#)
- W351 **Environmental drivers of *Wolbachia* infection and the genomic basis of its dual role in Italian populaions of *Philaenus spumarius*** - [Massimo GIORGINI](#)
- W352 **Population-level variations in *Macrosiphum rosae* microbiome** - [Jagoda KAMINSKA](#)
- W353 **Host trees partially explain the complex bacterial communities of two threatened saproxylic beetles** - [Rama Sarvani KROVI](#)
- W354 **Differential landscape effects on the microbiota of primitively and fully eusocial pollinators** - [Isabel MARTINEZ SANUDO](#)
- W355 **The effect of host diet and phylogeny on the microbial communities associated with hoverflies** - [Kaushalya NAGAHAWATTE](#)
- W356 **WICKED – *Wolbachia* Infection: Corrupted Killers Effects on *Drosophila suzukii*** - [Riccardo PICCINNO](#)
- W357 **A genomic perspective on the evolution of microbial nutritional symbiosis in Triatominae bugs** - [Gabin RIGNAULT](#)
- W358 **Identifying the core and niche-specific microbiota in an invasive polyphagous fly pest** - [Nicolas RODE](#)
- W359 ***Wolbachia* dynamics across hoverflies (Diptera:Syrphidae) in Greenland** - [Diana ROJAS GUERRERO](#)
- W360 **Who Gets In? Bacterial Filtering in Ambrosia Gall Midge Fungiculture** - [Nikola ROJOVSKÁ](#)
- W361 **Modeling Host–Microbiota Interactions** - [Claire RUNSER](#)
- W362 ***Wolbachia* as a nutritional mutualist** - [Mathilde SCHEIFLER](#)
- W363 **Tripartite Host-Microbiota-Pathogen Interaction and Pathogen Virulence Evolution in *Tenebrio molitor*** - [Haicheng XIE](#)
- W364 **The architecture of choice: Network topology mediates the eco-evolutionary dynamics of sexual selection** - [SOLIMARY GARCIA HERNANDEZ](#)
- W365 **From phylogenomics to population genomics: the role of geography versus ecology in driving *Coenonympha* butterfly diversification** - [Laurence DESPRES](#)
- W366 **Trait evolution, biome shifts, and spatiotemporal diversification in Neotropical tortoise beetles** - [Sneha BHANSALI](#)
- W367 **Glutathione-S-Transferases of *Drosophila suzukii*, unveiling unexpected diversity** - [Eléonore BRAUN](#)
- W368 **From Nudiviruses and Ascoviruse to Transient Organelles** - [Brian FEDERICI](#)
- W369 **Role of cytochrome P450 in the adaptation of Asian and European corn borers to maize** - [Frederique HILLIOU](#)
- W370 **Shared continent, different histories: Comparing movement patterns and population connectivity of the redback spider (*Latrodectus hasselti*) and the Portuguese millipede (*Ommatoiulus moreleti*).** - [Marta KAROLAK](#)
- W371 **Advancing high-quality genomic resources for the honey bee research community** - [Thibault LEROY](#)
- W372 **Dynamics of Chromosome Evolution in Termites: Multivalent Chains, Inbreeding and Novel Chromosomal Translocations** - [Ruth MORAA](#)
- W373 **Evolutionary history and host plant adaptation in European *Ostrinia* borers** - [Pierre NOUHAUD](#)
- W374 **Exploring the Potential of Non-coding RNA for RNAi-Pest control** - [Paul PLATHNER](#)
- W375 **Functional innovation in aphid IAPs through expansion, diversification, and morph-specific expression** - [Mélanie RIBEIRO LOPES](#)
- W376 **Genomic innovations underlying plant manipulation: comparative analysis of gall-inducing cynipid wasps** - [Anthony SARKISS](#)
- W377 **Genetic control of *Ceratitis capitata* by combining sex-conversion and female sterilization** - [Germano SOLLAZZO](#)
- W378 **Resolving Species Boundaries in *Neptis* (Lepidoptera: Nymphalidae) from Northwest India Using Integrative Taxonomy: Evidence from Genital Morphology and Mitochondrial COI gene** - [Neeraj NEERAJ](#)
- W379 **Molecular basis of migrant induction in the bird cherry-oat aphid** - [Aurélie ETIER](#)
- W380 **Long term adaptation of *Bemisia tabaci* to a plant at the margin of the host range** - [Noya GAZIT](#)
- W381 **Unraveling the molecular basis of the Orco-ORx assembly** - [Camille MESLIN](#)
- W382 **Temperature affects the transmission efficiency of *Xylella fastidiosa* by the spittlebug *Philaenus spumarius* on olive plants** - [Domenico BOSCO](#)

- W383 **Effects of insecticides applied against *Scaphoideus titanus* on leafhopper communities in North-eastern Italy** - [Lisa D'AMBROGIO](#)
- W384 **Tracing Flavescence dorée vectors: Auchenorrhyncha communities in the viticulture of South Tyrol, Italy.** - [Elias DORFMANN](#)
- W385 **Occurrence and prevalence in Central and Southern Italy of *Ooctonus vulgatus* Haliday (Hymenoptera Mymaridae), an egg parasitoid of *Philaenus spumarius* L. (Hemiptera Aphrophoridae)** - [ELISABETTA GARGANI](#)
- W386 **Early detection of insect-mediated apple proliferation disease** - [Gabriele GLODER](#)
- W387 ***Neophilaenus campestris* and *Philaenus spumarius* (Hemiptera: Aphrophoridae) plant preference: push-pull strategy to control *Xylella fastidiosa* disease.** - [Miguel GONZALEZ XIMENEZ DE EMBUN](#)
- W388 **Differentiation of 16SrIV Group Phytoplasmas in the Caribbean Basin Using High Resolution Melt Curve Analysis of 16S and secA Genes** - [Ericka HELMICK](#)
- W389 **BYDV incidence and aphid seasonal dynamic along a climatic longitudinal gradient in Europe** - [Lena JEGO](#)
- W390 **Investigation of *Phaenops cyanea* (F.) (Col., Buprestidae) and *Pissodes* spp. (Col., Curculionidae) as potential vectors of phytoratogenic fungi using massively parallel sequencing approaches** - [Liva LEGZDINA](#)
- W391 **High-throughput behavioural screening to uncover plant genes involved in host and vector manipulation by plant viruses** - [Paul MASSET--MUNSCH](#)
- W392 **RNA interference in the meadow spittlebug reduces vector survival and impairs *Xylella fastidiosa* transmission** - [Cecilia PARISE](#)
- W393 **Can vibrational signals reduce phytoplasmas' transmission? Insights from *Scaphoideus titanus* and Flavescence dorée** - [Letizia PRODI](#)
- W394 **Disentangling multipartite symbiont and phytopathogenic associations in a leafhopper plant pest** - [Fortesa RAMA](#)
- W395 **Epidemiology of the Apple Proliferation phytoplasma: insights at different regional levels** - [Matteo RIPAMONTI](#)
- W396 **Development of RNAi-Based Biopesticide: dsRNA-Mediated Gene Silencing in *Tenebrio molitor* and Evaluation of dsRNA Biosafety** - [Mansura AFROZ](#)
- W397 **Oral delivery of  $\gamma$ ZcCOPI leads to severe physiological abnormalities and increases susceptibility to  $\beta$ -cypermethrin stress in the melon fly, *Zeugodacus cucurbitae*** - [Shakil AHMAD](#)
- W398 **Assessing the impact of different botanical insecticides against Wheat Aphid (Hemiptera: Aphididae)** - [Muhammad ALI](#)
- W399 **Field Evaluation of Semiochemical Deterrents for the Management of *Ips typographus*** - [Chiara BENVENUTI](#)
- W400 **SAGROPIA: Reducing Chemical Insecticide Use in Potato and Sugar Beet through Biological Control-Based Integrated Pest Management** - [Carlos BERNARDES](#)
- W401 **Current Status of Tatu absolutal (Lepidoptera: Phthorimaea) Infestation in Chungcheongnam-do, Korea, and the Potential for Eco-Friendly Pest Management** - [YongSeok CHOI](#)
- W402 **Non-thermal plasma technology as an innovative approach for controlling *Tribolium* spp. infestation and improving early growth in wheat** - [Roxana CICEOI](#)
- W403 **Repellent effects of essential oils on *Tetranychus urticae*** - [Dionysios PERDIKIS](#)
- W404 **Harnessing self-DNA autotoxicity for selective agricultural pest control** - [Ilaria DI LELIO](#)
- W405 **Side effects of nanoformulated essential oils on *Encarsia formosa*** - [Tanja DROBNJAKOVIC](#)
- W406 **age dependent effects of solanaceae glycoalkaloids on the retrocerebral complex in *tenebrio molitor* beetle** - [Gracjan DUDEK](#)
- W407 **Sustainable RNA interference approaches to control the Japanese beetle *Popillia japonica*: target genes selection and innovative dsRNA producing platform** - [Luciana GALETTO](#)
- W408 **Clove essential oil nano-formulation: a potential bioacaricide for beehive protection** - [Giulia GIUNTI](#)
- W409 **Essential oil-entomopathogenic nematode interactions in laboratory bioassays for combined truffle beetle biocontrol** - [Iván JULIÁ I BRUNAT](#)
- W410 **Laboratory assessment of hydrogel and nano-formulations of some selected synthetic insecticides against fall armyworm *Spodoptera frugiperda* (Lepidoptera: Noctuidae)** - [Muhammad Zeeshan MAJEEED](#)
- W411 **Targeting aphid symbionts: Effects of *Bacillus subtilis* on aphid microbiota** - [Anna MICHALIK](#)
- W412 **RNAi-based biotechnological approaches for *Halyomorpha halys* (Stål) control** - [Riccardo OSTI](#)
- W413 **Method-driven variation in fungicide-herbicide compatibility with entomopathogenic fungi** - [ENRIQUE QUESADA MORAGA](#)
- W414 **Assessment of cyantraniliprole for olive fruit fly control: novel bait formulation and novel high pressure UAV aided applications** - [Emmanouil RODITAKIS](#)
- W415 **Improving the efficacy of registered products for *Phthorimaea absoluta* control: combing oil-based adjuvants with the insecticide spinosad** - [Emmanouil RODITAKIS](#)
- W416 **Occurrence, Parasitism, and Control of the Strawberry Blossom Weevil (*Anthonomus rubi*) in South Tyrol, Italy** - [Urban SPITALER](#)
- W417 **The Biotalys AGROBODY Foundry™: A Novel Platform for Insect Pest Management** - [Clauvis Nji Tizi TANING](#)
- W418 **Ozone as a Residue-Free Component of Integrated Wax Moth Management during Storage** - [Helena VIRIC GASPARIC](#)
- W419 **Contribution to the identification of necrophagous insects in the Guelma region and the effect of sun/shade conditions on insect succession on carcasses.** - [Widad BELKHIRI](#)
- W420 **ForentLM; A NotebookLM-Powered Chatbot for Forensic Entomology** - [Yong Seok LEE](#)
- W421 **Diagnostic Pitfalls in Forensic Pathology: Postmortem Facial Lesions Mimicking Trauma Caused by Pharaoh Ants (*Monomorium pharaonis*)** - [Sang-Hyun PARK](#)
- W422 **Influence of Reforestation Age on Insect Community Structure, Diversity and Abundance in a Tropical Rainforest** - [Dianne Joy AGUILON](#)
- W423 **Dung Beetle Assemblages Across Select Forest Types of Mount Makiling Forest Reserve, Philippines: Implications for Biodiversity Conservation and Sustainable Forest Management** - [Dianne Joy AGUILON](#)
- W424 **Disturbance shapes bat fly diversity: community turnover across montane ecosystems of northern Peru** - [Edith ARIAS](#)
- W425 **Monitoring Scolytinae (Coleoptera, Curculionidae) communities in Mediterranean botanical gardens: a two-year survey in the Ligurian region (NW Italy)** - [Francesca BOERO](#)
- W426 **Do remnant late-seral forests still preserve forest fauna?** - [Denis BOUDREAU](#)
- W427 **Russian olive functions as an egg-killing trap tree for the Asian longhorned beetle through oviposition-induced gum defense** - [Li CHENGCHENG](#)
- W428 **Regional Variations in Host Preference of the Asian Spongy Moth Estimated by Satellite Image Analysis in South Korea** - [WON IL CHOI](#)
- W429 **Assessment of the relevance of *Agrilus biguttatus* for local oak decline following drought and heat in South-East Germany** - [Tobias FRÜHBRODT](#)
- W430 **Scots pine at risk: the rapid spread of *Ips acuminatus* in changing climates** - [Liva LEGZDINA](#)
- W431 **Short-term effects of wildfire on termite in Mediterranean cork oak forests of northern Morocco** - [Aya NAJJARI](#)
- W432 **Rapid increase of the *Orthotomicus erosus* bark beetle population following a windthrow caused by a microburst event in the Marjan Forest Park, Split** - [Milan PERNEK](#)

- W433 Host preference and chemical ecology of *Saperda tridentata* - [Giacomo SANTOIAMMA](#)
- W434 Lure type effectiveness and sample quality thresholds in tortrix moth surveillance in Northern Ireland. - [Florentine SPAANS](#)
- W435 Managing wooded-pasture and high-elevation spruce stands under climate warming and bark beetle risk - [Camille TABARY](#)
- W436 From Laboratory to Semi-Field Validation: Advancing the Sterile Insect Technique for *Drosophila suzukii* in Québec - [Célia BORDIER](#)
- W437 A potential biocontrol agent of the key European vector of *Xylella fastidiosa*? *Ooconus vulgatus* (Hymenoptera: Mymaridae) in Italy - [Domenico BOSCO](#)
- W438 Understanding Long-Lasting Aphid Control with Bayer's SeedGrowth Product BUTEOstart - [Christoph Andreas BRAUN](#)
- W439 Can service plants decrease aphid infestations and virus transmission in sugar beet crops? - [Anne Marie CORTESERO](#)
- W440 Biocontrol or bio-oops : letal and sublethal effects of surfactin on pest and crop auxiliaries. - [Louise DUMONT](#)
- W441 Beating greenhouse pests with blooms: Supporting natural enemies with functional plants - [Florence ESTUBLIER](#)
- W442 The start of research on pea pests in Latvia - [Janis GAILIS](#)
- W443 Prediction of seasonal population dynamics of *Anarsia lineatella*, Zeller, 1839 (Lepidoptera: Gelechiidae) in stone fruit orchards in North Macedonia - [Miroľjub GOLUBOVSKI](#)
- W444 Assessment of extreme temperatures for insect control in dried fruits under laboratory and commercial storage conditions - [Marina GOURGOUTA](#)
- W445 Engineering an early development sex separation toolkit for Mexfly, *Anastrepha ludens* - [Georgia GOUVI](#)
- W446 Understanding Genetic Resistance to Cabbage Stem Flea Beetle in Oilseed Rape - [Elisabeth M GRAF](#)
- W447 Effectiveness of *Citrus clementina* peel and leaf powder in managing *Sitophilus zeamais* - [Bongumusa GUMEDE](#)
- W448 Developing stress resilient crops by understanding host herbivore interactions under multiple stressors. - [Rupesh KARIYAT](#)
- W449 Pilot evaluation of Bt sugarcane and the sterile insect technique for managing *Eldana saccharina* under shade-house conditions - [Vanessa LAUCHANDE](#)
- W450 Development of non-chemical management approaches for serpentine leafminer (*Liriomyza huidobrensis*) in protected cropping - [Bishwo Prasad MAINALI](#)
- W451 Optimising Inherited Sterility in *Eldana saccharina*: Biological and Reproductive Responses to X-ray and Gamma Irradiation for Sterile Insect Technique Application - [Lawrence MALINGA](#)
- W452 Entomopathogenic Fungi from Omani Soils: Evaluation of Plant Growth Promotion and Insecticidal Activity on Maize (*Zea mays* L.) - [Ahmad NAWAZ](#)
- W453 Termite Damage to Economic trees in Benue State, Nigeria: Termite Diversity and Nature of Attacks, Economic Cost of control and plantation owners' knowledge and perception. - [Edward OMUDU](#)
- W454 From forest edge to meadow centre: spatial patterns of beetle assemblages after mechanical control of invasive goldenrod - [Veronika PRIELOŽNÁ](#)
- W455 Influence of soil-conserving strip cropping on ground beetle communities - [Lukáš PUCH](#)
- W456 Scaling up Integrated Pest Management for *Phthorimaea absoluta*: from experimental greenhouse trials to commercial tomato production - [Emmanouil RODITAKIS](#)
- W457 Screening of RNAi target genes for management of *Ceutorhynchus obstrictus* - [Apurva Vikas SABNIS](#)
- W458 Effects of a Mixed Crop of Wheat with Spice Plants on Arthropod Diversity and Biological Pest Control - [Lisa SCHWARZ](#)
- W459 Hyperspectral Remote Sensing as a Tool for Aphid Detection in Winter Wheat - [Sandra SKENDZIC](#)
- W460 Assessment of insecticidal activity of non-thermal plasma against *Tribolium castaneum* and *T. confusum* (Coleoptera: Tenebrionidae) - [Andrei TEODORU](#)
- W461 Pollen sources in the epicuticle of insects: foraging in perennial monoculture and weeds in the Andean highlands - [SEBASTIAN YANEZ-SEGOVIA](#)
- W462 ASSESSMENT OF YIELD RELATED TRAITS OF RICE CULTIVARS AND EFFICACY OF DIFFERENT PESTICIDES AGAINST SCIRPOPHAGA INCERTULAS WALKER (LEPIDOPTERA: PYRALIDAE) - [Fazeela ZARIN](#)
- W463 Enhancing urban arthropod biodiversity through the establishment of sown wildflower strips - [Botond MAGYAR](#)
- W464 Local rather than landscape-scale factors shape arthropod diversity in greened schoolyards - [Elodie VERCKEN](#)
- W465 Apoidea Communities and Pollen Residues Reveal Environmental Pressures in the Alpine City of Trento (Italy) - [Marzia ZAGALLO](#)
- W466 The effects of Cow Manure Treated by Fruit Beetle Larvae, Waxworms and Tiger Worms on Plant Growth in Relation to its Use as Potting Compost - [WALEED ALWANEEN](#)
- W467 Shaping Soil Ecosystem Services Providers: Agroecological Practices Drive Mite Communities in Mediterranean Vineyards - [Thais Juliane DO PRADO](#)
- W468 Evaluation of insect frass as a biofertilizer in field trials with lupins in Greece - [PHILIPPOS IOANNIDIS](#)
- W469 Typology of Continental Microhabitats: Principles and Perspectives for Insect Studies - [Bérénice GIVORD-COUPÉAU](#)
- W470 Diversity of bees (Hymenoptera, Apoidea) and hoverflies (Diptera, Syrphidae) along differently managed forest roadsides in Latvia - [Santa IEVINA](#)
- W471 Flower preferences and network roles of wild bees in semi-natural habitats - [Izabela KOT](#)
- W472 Assessment of wild pollinator biodiversity in Côte d'Ivoire and the impact of practices on their communities - [Remiche Ivalda KOYO NZALA](#)
- W473 Exploring margin composition across European landscapes to conserve pollinators in agroecosystems - [Thibault NÈVE DE MÉVERGNIES](#)
- W474 Comparative sensitivity of flower-visiting Diptera to insecticide exposure - [María PÉREZ MARCOS](#)
- W475 Foraging behaviour of floral visitors as an indicator of pollination potential in sweet cherry orchards - [Justine RIVERS-MOORE](#)
- W476 Mapping pollinator richness: a multi-species approach applied to Northern Italy - [Emanuele Luigi ZENGA](#)
- W477 Assessing the impact of the oriental hornet (*Vespa orientalis*) on honeybee colonies using semi-automated video monitoring - [Joan AMENGUAL](#)
- W478 Can direct sequencing of honeys help us better track honey bee health? - [Thibault LEROY](#)
- W479 Study on target site resistance to acaricides in Italian population of *Varroa destructor* - [Emanuele MAZZONI](#)
- W480 Volatile chemical profile of the Asian hornet *Vespa orientalis* (Hymenoptera: Vespidae) and its electroantennographic activity. - [Antonio ORTIZ](#)
- W481 Tracking pesticide exposure through bee-collected pollen - [Niks OZOLS](#)
- W482 Visualizing Winter Cluster Dynamics in Honey Bee Colonies Using a High-Density Temperature Sensor Network - [Bo-Sun PARK](#)
- W483 Assessment of honeybee-associated viruses in honeybees and wild pollinators in nature protected zones in Luxembourg - [Matteo RIPAMONTI](#)
- W484 Integrative morphometric and molecular approaches reveal cryptic speciation within the *Eriophyes* spp. (Acari: Eriophyoidea) complex on rosaceous hosts - [Venkata Avinash ADDANKI](#)
- W485 Mitogenomics of an orphan South Pacific leaf beetle lineage: resources to find a missing link - [Anabela CARDOSO](#)

- W486 **Species Delimitation and Evolutionary History of Cryptic Angelabella Micromoths (Lepidoptera: Gracillariidae) in Xerophytic Environments of the Neotropics** - [Jose CERDEÑA](#)
- W487 **An integrative taxonomic approach to parasitic wasps: assessing the prevalence of cryptic species** - [Lucian FUSU](#)
- W488 **Integrative analysis of obscure lineages elaborates generic taxonomy of Polyommata blue butterflies (Lepidoptera, Lycaenidae)** - [Anatoly KRUPITSKY](#)
- W490 **Importance of I instar larvae in connected phylogenetic relationships within the family Neanuridae (Collembola: Poduromorpha)** - [Beata STRYCZEK](#)
- W491 **Thousands of Wasps, Hundreds of BINs: Are Barcode Clusters Real Species?** - [Ufuk TOPALAN](#)
- W492 **What history can a fossil reveal? Sclerites, glands and more in a Baltic amber Pselaphinae (Coleoptera: Staphylinidae)** - [Viviane NUNES](#)
- W493 **A new dragonfly relative from the Upper Triassic of southern Germany** - [Mario SCHÄDEL](#)
- W494 **Mustard to the rescue: Modulating tachykinin-related peptides, allatotropins, and immune responses via allyl isothiocyanate in the pest species Tenebrio molitor L.** - [Natalia BYLEWSKA](#)
- W495 **The effect of insulin-like peptides on immune system of Tenebrio molitor L.** - [Natalia KONOPINSKA](#)
- W496 **Decoding Neuroendocrine Responses to Low Temperature in Tenebrio molitor via Transcriptomics and Metabolomics** - [Jan LUBAWY](#)
- W497 **Effects of insect PVK-2 and mammalian NMU-25 neuropeptides on the neuroendocrine system of Zophobas atratus beetles** - [Pawel MARCINIAK](#)
- W498 **Endocrine-Disrupting Effects of Bisphenol Analogues on the Ecdysone Pathway in Nasonia vitripennis** - [Rosario PLANELLÓ](#)
- W499 **Molecular Responses of Drosophila melanogaster to Glyphosate, 4-Nonylphenol and Bisphenol: A Toxicity Assessment Study** - [Rosario PLANELLÓ](#)
- W500 **Cotton Reproductive Structures Drive Diet-Dependent Trade-Offs Between Reproduction and Survival in the Boll Weevil** - [Jorge TORRES](#)
- W501 **From plant residues to insect hormones: furfural affects juvenile hormone biosynthesis** - [Karolina WALKOWIAK-NOWICKA](#)
- W502 **Effects of Different Waste Groups on the Development of Hermetia illucens (Diptera: Stratiomyidae) Larvae** - [Bahriye AYZ](#)
- W503 **Bilateral symmetry of epithelial tissue flows emerges from long-range mechanochemical feedback** - [Floris BOSVELD](#)
- W504 **Echoes of silence: dsRNA-induced effects on fertility and parental RNAi in a leafhopper vector of phytoplasmas** - [Francesca CANUTO](#)
- W505 **Estimation of developmental thermal parameters of the Chilean leafroller, Proeulia auraria (Clarke) (Lepidoptera: Tortricidae), using non-linear models.** - [Tomislav CURKOVIC](#)
- W506 **Fluctuating asymmetry as a reliable biomarker of nutritive stress: The rice weevil (Sitophilus oryzae L) case** - [Sonja GVOZDENAC](#)
- W507 **Toward understanding of sex determination pathway in the African malaria mosquito Anopheles gambiae.** - [Jaroslaw KRZYWINSKI](#)
- W508 **Identification of an orphan family involved in nymphose of Nasonia vitripennis** - [Charlotte LÉCUREUIL](#)
- W509 **A Luciferin 4-Monooxygenase-Like Gene Links Cold Tolerance and Learning in Spodoptera frugiperda** - [YOUNGJIN PARK](#)
- W510 **Sirtuins mRNAs analysis expression in Apis mellifera evidences differences among drone, queen and worker** - [Yordy Stiven CANGREJO-USEDA](#)
- W511 **Muscarinic receptors — an eminence grise of insect metabolism?** - [Szymon CHOWANSKI](#)
- W512 **Experimental model for evaluating rearing conditions and bioconversion by BSF** - [Amélie DESAEGHER](#)
- W513 **Effects of developmental diet on adult energy stores in Drosophila** - [Peter KLEPSATEL](#)
- W514 **How to Process Samples for Metabolomics in Ecology: A Comparative Study of Preanalytical Storage Methods** - [Nathalie LE BRIS](#)
- W515 **A novel amino acid transporter from Anopheles gambiae** - [Veronika PAVLASOVA](#)
- W516 **Are phenolic compounds from oat seeds responsible for feeding intensity of the rice weevil (Sitophilus oryzae L.)** - [Dejan PRVULOVIC](#)
- W517 **Transcriptome analysis reveals key genes implicated in the adaptive physiology and development, of the drywood termite Incisitermes schwarzi (Isoptera)** - [Shatarupa SARKAR](#)
- W518 **Metabolomic Profiling of Tribolium castaneum (Coleoptera Tenebrionidae) Following Carbonyl Sulfide Fumigation** - [Jae Sang YU](#)
- W519 **Effects of food quality on host exploitation by an endoparasitic wasp** - [Thomas ZANKL](#)
- W520 **The Role of Hybridization in Altering Pathogen Transmission Risk in UK Mosquito Populations** - [Fatma BURSALI](#)
- W521 **Parasite-induced zombie behavior in carpenter ants: Unraveling the role of fungal protein tyrosine phosphatases** - [Miriam VON BARGEN](#)
- W522 **Ant Behavior Manipulation by an Entomopathogenic Fungus: The Role of Enterotoxins** - [Sinah Tiana WINGERT](#)
- W523 **State-of-the-Art: Insect sexing in applied entomology** - [Masoumeh FOTOUKIAI](#)
- W524 **What if They Feel? Re-evaluating insect subjectivity and the frontiers of welfare science** - [SOLIMARY GARCIA HERNANDEZ](#)

## Thursday – 2 July

08:00-16:00 REGISTRATION *Level 0*

08.45-10:00 – *Francois 1er (L-1)*

### PLENARY LECTURE

Elisabeth Herniou

08:45 Announcements

09:00 PLENARY LECTURE

**The fly's defensive repertoire: genes, cells and behaviour**

**Bregje WERTHEIM** – Laboratory of Entomology, Wageningen University, The Netherlands

*Hall Bourdu (L-2)*

10:00-10:30 COFFEE BREAK

10:30-12:30 – *Francois 1er (L-1)*

### INSECTS AS SOLUTIONS

#### Biocontrol and integrated pest management 4

*Ingrid Arnault, Anaïs Chailleux, Thibault Nève de Mevergnies*

10:30 Accidental introductions of parasitoids and predators in Germany - an underestimated chance for better biological control of invasive pest insects? - **Annette HERZ**

11:00 Classical biological control of the diamondback moth in the USA: potential of *Diadegma semiclausum* as a candidate agent - **Gaylord DESURMONT**

11:15 Inundative release of *Muscidifurax* raptor *Girault* and *Sanders*, and *Pachycrepoideus vindemiae* *Rondani* (Hymenoptera: Pteromalidae) to control of *Piophilidae* *Linnaeus* (Diptera: Piophilidae) in ham pro - **Diletta MISSERE**

11:30 Woolly Apple Aphid and Natural Enemy Activity in Net-Covered Organic Orchards in Emilia-Romagna - **Elena MONARI**

11:45 Assessing Biological Control Agent Releases for Aphid Management under Exclusion Nets in Apple Orchards - **Lola MOTTET**

12:00 Cryptic but functionally divergent: *Chrysoperla lucasina* outperforms *Chrysoperla carnea* in predation of early developmental stages of *Nezara viridula* - **Raghavendra Reddy MANDA**

12:15 Interaction of *Leptopilina japonica* *Novković & Kimura, 2011* with native European *Drosophila* and parasitoids - **Jakob MARTIN**

10:30-12:30 – *Ronsard (L+1)*

### ECOLOGY & BEHAVIOR

#### Chemical ecology of insect interactions

##### From molecules to ecosystems 3

*Christophe Lucas, Veronique Eparvier, Christine Beemelmans*

10:30 The smell of death: characterization and applications - **François VERHEGGEN**

11:00 Impact of heat stress on the production and perception of cuticular hydrocarbons in the buff-tailed bumblebee - **Luce GAY**

11:15 Chemical sexual communication in coccinellids: mechanisms, cue specificity, and evolutionary patterns - **Anaïs SION**

11:30 Cracking the chemical code of ant-aphid mutualism - **Christophe LUCAS**

11:45 Decoding alarm signalling in *Dysaphis plantaginea*, the rosy apple aphid: from chemical identity to behavioural response - **Eleonora FABRIS**

12:00 Olfactory cues in the reproduction of *Hermetia illucens* (BSF) - **Silvana PIERSANTI**

10:30-12:30 – *Descartes (L+1)*

### EVOLUTIONARY GENETICS

#### Unravelling phenotypic plasticity

*Cameron Ghalambor, Patricia Gibert, Vincent Foray*

10:30 Context-dependence of developmental plasticity in insects - **Patricia BELDADE**

11:00 Plasticity of fatty acid synthesis and fat accumulation in a parasitoid insect - **Bertanne VISSER**

11:15 Evolutionary trajectories of plasticity when encountering novel thermal conditions during southward range expansion of a damselfly - **Janne SWAEGERS**

11:30 Molecular mechanisms involved in the control of reproductive mode plasticity in the pea aphid - **Gael LE TRIONNAIRE**

11:45 When parental conditions shape offspring tolerance to stress: Transgenerational plasticity in response to sublethal exposure to an insecticide in *Drosophila melanogaster* - **Romain GAYET**

12:00 Identification of gene regulatory networks driving wing polyphenism in the pea aphid (*Acyrtosiphon pisum*) - **Scott Zhe Yang YIM**

12:15 Molecular Bases of Genital Developmental Plasticity in Males - **Denis CALANDRIELLO CALIO**

10:30-12:30 – *Loches (L+1)*

### PHYSIOLOGY & BIOCHEMISTRY

#### Insect pathology and immunity 1

*Yannick Moret, Elisabeth Herniou*

10:30 Changes in transcriptomic profiles of wild and lab flies during an infection with a natural pathogen - **Caroline ZANCHI**

11:00 Variation in the duration of the immune protection after priming stimulation among populations of *Tenebrio molitor* - **Jordy LARGES**

11:15 Insect extracellular vesicles as vectors of RNA Interference: A proteomic and functional perspective - **Kristof DE SCHUTTER**

11:30 Incidence and detection of spore forming bacteria in mass-reared black soldier fly larvae - **Carlotta SAVIO**

11:45 Malpighian Tubules as an Immune-Active Tissue in the Honey Bee (*Apis mellifera*) - **Linda TÖLGOVÁ**

12:00 It takes two to tango - Painless channels and tachykinin-related peptides as modulators of haemocyte activity in mealworm beetles, *Tenebrio molitor* L. - **Arkadiusz URBANSKI**

12:15 Eco-immunology: An integrated approach of the interactions between nutrition, immunity, symbionts and infection - **Fleur PONTON**

10:30-12:30 – *Chinon (L+2)*

### INSECT VECTORS

#### Vectors of plant pathogens 1

*Domenico Bosco, Clara Lago, Elisabeth Huguet*

10:30 The Stylet Cuticle as a Molecular Interface Driving Aphid-Mediated Plant Virus Spread - **Marilyne UZEST**

11:00 Host Plant Species and *Ca. Arsenophonus* phytopathogenic Infection Shape Performance and Behaviour of *Pentastiridius leporinus* - **Djima KOFFI**

11:15 Interactions between *Bemisia tabaci* and the first whitefly-transmitted polerovirus - **Murad GHANIM**

11:30 Plant virus mediates endosymbiont effects on aphid-parasitoid interactions - **Patricia SANCHES**

11:45 Host susceptibility and recalcitrance to the vector and/or virus affects the outcome of vector fitness and vector-virus interactions in an aphid-RNA virus pathosystem - **Rajagopalbabu SRINIVASAN**

12:00 *Xylella fastidiosa* and the transmission capability of insect vectors between plants of agricultural and

sylvicultural interest in Switzerland - [Júlia LÓPEZ MERCADAL](#)

- 12:15 **Host plant association as a driver of genetic divergence in *cacopsylla melanoneura* (hemiptera, psyllodea, psyllidae).** - [Lapo RAGIONIERI](#)

10:30-12:30 – *Vouvray (L+2)*

## INSECTS & SOCIETY

### Biopesticides and improved formulations 1

*Giulia Giunti, Dietrich Stephan, Orlando Campolo*

- 10:30 **Integrating biopesticidal and biostimulant paradigms: a scientific dilemma for the future of plant protection** - [ENRIQUE QUESADA MORAGA](#)
- 11:00 **Susceptibility of adult truffle beetles to the entomopathogenic fungus *Lecanicillium muscarium*, compared to two entomopathogenic nematodes** - [Iván JULIÁ I BRUNAT](#)
- 11:15 **Mosquito Microbiota as a Hidden Driver of Bti Bioinsecticide Efficacy** - [Baptiste LHERAUD](#)
- 11:30 **A mycovirus uncovers the evolutionary trade-off of *Beauveria bassiana* in its transition from a symbiotic fungus to an entomopathogen** - [Fátima RUEDA MAÍLLO](#)
- 11:45 **Technological analyses and selectivity of innovative chitosan-EO nano-aphicides** - [Raffaele CAVALIERE](#)
- 12:00 **Bugs, plants and peptides - Unleashing the power of chemical ecology for sustainable crop protection** - [Olivier CHRISTIAENS](#)
- 12:15 **Bowman-Birk protease inhibitor modulates gut proteome and disrupts mitochondrial metabolism in *Achaea janata* (Castor semilooper) larvae** - [Bharti KOTARYA](#)

10:30-12:30 – *Courteline (L+2)*

## PHYSIOLOGY & BIOCHEMISTRY

### Insect development 1

*Roshan Vijendravarma, Floris Bosveld*

- 10:30 **How do tissues sense their size to tailor their dynamics during development?** - [Yohanns BELLAICHE](#)
- 11:00 **Evolution of a novel left-right asymmetry through co-option of an ancestral tissue remodeling process** - [Michael LANG](#)
- 11:15 **Allometric Growth of Organs During Springtail Postnatal Development** - [Daria RUMAK](#)
- 11:30 **The PIWI pathway in the oogenesis of the cockroach *Blattella germanica*** - [Maria-Dolors PIULACHS](#)
- 11:45 **Resistance to Vip3A toxin from *Bacillus thuringiensis* as a probe for the activation of chitin synthase 2 in peritrophic matrix synthesis** - [David HECKEL](#)
- 12:00 **A changing hierarchy of environmental time cues guide development of the migratory pest moth *Loxostege sticticalis*** - [Changning LYU](#)
- 12:15 **Functional genetics in the cricket *Gryllus bimaculatus*: characterization of an ancient histone variant absent in *Drosophila*** - [Benjamin LOPPIN](#)

10:30-12:30 – *Bourgueil (L+2)*

## ECOLOGY & BEHAVIOR

### Population dynamics and modelling 1

*Christelle Suppo, Christelle Robinet, Sigrid Netherer*

- 10:30 **Insect Long-Distance Dispersal: Mechanisms, Impacts, and Responses to Global Change** - [Jean-Noel CANDAU](#)
- 11:00 **Cotton bollworm (*Helicoverpa armigera*) has become a threat to maize crops in southeast Romania** - [Emil GEORGESCU](#)
- 11:15 **Assessing the dispersal of *Monochamus galloprovincialis*, the vector of the invasive pinewood nematode, in a mosaic of land-covers in southwestern France** - [Hongyu SUN](#)
- 11:30 **Modelling tools supporting analysis and management of *Popillia japonica* populations** - [Anna SIMONETTO](#)
- 11:45 **Adaptive management for *Coenagrion castellani* (Odonata: Coenagrionidae) conservation: Insights from long-term monitoring in agricultural landscape** - [Gianandrea LA PORTA](#)

- 12:00 **Rapid Spread and Expansion of *Rachiplusia nu* (Lepidoptera: Noctuidae) in Brazilian Soybean Fields** - [Davi FERNANDES](#)

- 12:15 **Interaction nestedness mediates network assembly and affects resulting diversity in host-parasitoid microcosms** - [Gregoire PROUDHOM](#)

10:30-12:30 – *Montlouis (L+2)*

## SOCIAL INSECTS

### Apidology 1

*Eric Darrouzet, Mar Leza Salord, Yves Le Conte*

- 10:30 **Honeybees vs. wild bees in context** - [Peter NEUMANN](#)
- 11:00 **Reduced-risk pesticides cause multiple disorders on individuals and colonies of bumble bees** - [Maria Augusta LIMA SIQUEIRA](#)
- 11:15 **Climate change: Conservation measures are required to prevent the loss of genetic diversity of honey bees** - [Maria BOUGA](#)
- 11:30 **Multilevel immune disruption in honey bees by parasites and viruses** - [Andrea BECCHIMANZI](#)
- 11:45 **Population genomics of the invasive yellow-legged hornet *Vespa velutina nigrithorax* in Europe** - [Cayetano HERRERA](#)
- 12:00 **AI BeeGuard: SafeGUARDing honeyBEEs from invasive hornets through a multi-approach with Artificial Intelligence** - [Mar LEZA SALORD](#)
- 12:15 **A Multidisciplinary Strategy for Invasive Species Management: Can the Expansion of the Small Hive Beetle (*Aethina tumida*) Be Stopped?** - [Franco MUTINELLI](#)

10:30-12:30 – *Villandry (L+2)*

## INSECTS THROUGH TIME

### Insect systematics in the biodiversity crisis

#### Bridging tradition and innovation 2

*Carlos Lopez Vaamonde, Tamara Spasojevic*

- 10:30 **Describing wasp species well or describing them quickly?** - [Gavin BROAD](#)
- 11:00 **DNA-based species delimitation and description of dark taxa using Cecidomyiidae as a model group** - [Zsófia FEKETE](#)
- 11:15 **A computational framework for continually expanding the Tree of Life from barcode data** - [Nicolas CHAZOT](#)
- 11:30 **Confluence taxonomy: bridging professional and avocational expertise to tackle dark taxa** - [Lucas GEISLER](#)
- 11:45 **Integrative taxonomy an essential step prior to the deployment of biological control agents: the iconic case of the genus *Dicyphus* (Heteroptera: Miridae).** - [JEAN-CLAUDE STREITO](#)
- 12:00 **Macroevolution of the New World scarab beetle tribe Phanaeini (Coleoptera: Scarabaeidae: Scarabaeinae)** - [Conrad GILLET](#)
- 12:15 **From Legacy Morphological Matrices to Semantic Knowledge Graphs: Bridging Phylogenetic Practice and Semantic Data Models in Entomological Research** - [Thiago SANCHES RANZANI DA SILVA](#)

*Hall Bourdu (L-2)*

12:30-14:00

LUNCH BREAK

12:50-13:50 – *Loches (L+1)*

## CAREER IN ENTOMOLOGY 3

### Leading the future in insect science –

#### Collaborative instruments

*Gayanaka Wijethilake, David Giron, Aurélien Montagu*

- 12:50 **Collaborative EU instruments & local opportunities to connect, collaborate & lead** - [Gayanaka WIJETHILAKE, Aurélien MONTAGU](#)
- 13:20 **General discussion**

12:50-13:50 – Bourgueil (L+2)

## SCIENTIFIC COMMUNICATION AND PUBLISHING IN ENTOMOLOGY 3

### Entomology in the wikispace

Thomas Hall

12:50-13:50 – Couteline (L+2)

## RESEARCH FRONTIERS IN INSECT SCIENCE 6

### Ethics and welfare

Christophe Bressac & Jessica Stokes

- 12:45 Ethics review for insect research in the UK: institutional trends, researcher attitudes, and implications for entomology - [Jessica STOKES](#)
- 13:00 Identifying trends in reporting on the ethical treatment of insects in research - [Craig PERL](#)

14:00-16:00 – Francois 1er (L-1)

## INSECTS AS SOLUTIONS

### Biocontrol and integrated pest management 5

Ingrid Arnault, Anaïs Chailleux, Thibault Nève de Mevergnies

- 14:00 Revealing parasitoid-pest interactions: quantifying parasitism in cabbage stem flea beetle using molecular approaches - [Patricia A. ORTEGA RAMOS](#)
- 14:30 Exploring the bacterial microbiota of parasitoid species used for biological control - [Wendy DESTIERDT](#)
- 14:45 Combating a plant pathogen with ladybird beetles - [Tham NGUYEN THI](#)
- 15:00 Potential of Bumblebee-Mediated Vectoring of the entomopathogenic fungus *Beauveria bassiana* for Thrips Management in Strawberries - [Morgane OURRY](#)
- 15:15 Signals in the dark: enhancing *Cydia pomonella* monitoring with kairomones and UV light traps - [Diana LA FORGIA](#)
- 15:30 First European record of the Nearctic hyperparasitoid *Cheiloneurus swezeyi* and impacts on *Neodryinus typhlocybae* populations - [Marco FALASCO](#)
- 15:45 From Factory to Field: Sex Pheromone of *Plutella xylostella* produced in yeast cell-factories validated in laboratory and field trials - [Maria KONSTANTOPOULOU](#)

14:00-16:00 – Ronsard (L+1)

## ECOLOGY & BEHAVIOR

### Chemical ecology of insect interactions

#### From molecules to ecosystems 4

Christophe Lucas, Veronique Eparvier, Christine Beemelmans

- 14:00 A biosynthetic survey and a heterologous production platform for molecules from biocontrol fungi - [Pablo CRUZ-MORALES](#)
- 14:30 Effects of ozone pollution on plant-pollinator chemical communication under climate change: the case of the Mediterranean fig tree and its specialized pollinator - [Magali PROFFIT](#)
- 14:45 Climate change alters phloem feeder honeydew composition, reducing parasitoid fitness - [Christine BECKER](#)
- 15:00 Differences in the pheromone composition of two closely related lepidoptera species and the effects of climate change and pollution on insect sexual communication. - [Marvin MINIO](#)
- 15:15 Beet Smells: The Role of Leaf and Root Volatiles in Host Plant Selection by *Pentastiridius leporinus* - [Bruna CZARNOBAL DE JORGE](#)
- 15:30 Chemical and biological analysis of insect holobionts as a model for interaction and biosynthesis of specialized metabolites - [Véronique EPARVIER](#)
- 15:45 Beyond the antennae: tarsal chemodetection modulates oviposition in the moth *Spodoptera littoralis* - [Sai ZHANG](#)

14:00-16:00 – Descartes (L+1)

## ECOLOGY & BEHAVIOR

### Behavioral ecology 1

Marlène Goubault, Emmanuel Desouhant

- 14:00 Do endosymbionts affect sexual ornament expression? - [Nina WEDELL](#)
- 14:30 Interpreting pre-copulatory processes via post-copulatory sexual selection in the black soldier fly (*Hermetia illucens*) - [Frédéric MANAS](#)
- 14:45 Precise, individualized foraging flights in honey bees revealed by multicopter drone-based tracking - [Michael J. M. HARRAP](#)
- 15:00 Individual-based model for investigating symbiont acquisition pattern of *Riptortus pedestris* (Hemiptera: Alydidae) shaped by environmental factors - [Jung-Wook KHO](#)
- 15:15 Prey Preference and Body Size as drivers of Intraguild Predation in a Psyllophagous Ladybird Community: Anticipating the Impact of Introducing *Harmonia conformis* for Biological Control - [Corey BOUCHARD](#)
- 15:30 Honeybees have consequences for foraging bumblebees in a mass flowering heathland - [Dara STANLEY](#)
- 15:45 Long-term memory in the anucleate nervous system of tiny parasitoid wasp *Megaphragma viggianii* (Hymenoptera: Trichogrammatidae) - [Maria FEDOROVA](#)

14:00-16:00 – Loches (L+1)

## PHYSIOLOGY & BIOCHEMISTRY

### Insect pathology and immunity 2

Yannick Moret, Elisabeth Herniou

- 14:00 Fickle things: Mosquito virome dynamics under spatial and temporal factors - [Cassandra KOH](#)
- 14:30 Formicine ant venoms as external immune defence trait - [Simon TRAGUST](#)
- 14:45 RISC-bound small RNA-seq elucidates dsRNA processing and guide siRNA strand selection - [Doga CEDDEN](#)
- 15:00 Blade-running: An efficient yet simple behavior to potentially combat summit disease in ants - [Eniko CSATA](#)
- 15:15 Molecular mechanisms and evolution of a hemolymph neurotoxin in the Colorado Potato Beetle - [Himrekha AGARWAL](#)
- 15:30 Is transgenerational immune priming a form of terminal investment? - [Yannick MORET](#)
- 15:45 Invasion of the body snatchers: Leveraging zombie-making strategies of entomopathogenic fungi to understand insect behaviour - [Charissa DE BEKKER](#)

14:00-16:00 – Chinon (L+2)

## INSECT VECTORS

### Vectors of plant pathogens 2

Domenico Bosco, Clara Lago, Elisabeth Huguet

- 14:00 High-resolution 3D imaging insights into the biomechanics of xylem sap ingestion by leafhoppers - [Rodrigo ALMEIDA](#)
- 14:30 Co-acquisition and transmission of two *Liberibacter* by the potato psyllid - [Cecilia TAMBORINDEGUY](#)
- 14:45 NGS-Based Screening of *Bemisia tabaci* for Plant Virus Threats and Insecticide Resistance - [Wannes DERMAUW](#)
- 15:00 Biological control of *Xylella fastidiosa* vectors by *Verrallia aucta* (Diptera: Pipunculidae) in Spain: survey of prevalence, host and parasitism rate. - [Miguel GONZALEZ XIMENEZ DE EMBUN](#)
- 15:15 Using video-phenotyping to detect antixenosis traits affecting aphid behavior and virus transmission in sugar beet - [Quentin CHESNAIS](#)
- 15:30 High-throughput and Sanger sequencing based Gut Content Analysis of *Xylella fastidiosa* vector *Philaenus spumarius* - [Matteo DHO](#)
- 15:45 Applied biotremology for vector insect control: New frontiers in plant protection - [Valerio MAZZONI](#)

14:00-16:00 – Vouvray (L+2)

## INSECTS & SOCIETY

### Biopesticides and improved formulations 2

*Giulia Giunti, Dietrich Stephan, Orlando Campolo*

- 14:00 Optimization of formulations of insect pathogens for a better biocontrol effectiveness - [Dietrich STEPHAN](#)
- 14:30 Compatibility and vectoring of *Metarhizium brunneum* by entomopathogenic nematodes for biocontrol of soil stages of noctuid pests: is joint formulation the next step? - [Meelad YOUSEF YOUSEF](#)
- 14:45 Management of Chaetanaphothrips orchidii (Thysanoptera: Thripidae) by applying entomopathogenic fungi to the soil - [Carolina JUNCÁ-MORALES](#)
- 15:00 Evaluating mineral and plant-based dusts for sustainable control of the cabbage stink bug and associated brassica pests under laboratory and field conditions - [Luka BATISTIC](#)
- 15:15 Development of Eco-friendly Pest Management Solutions Using Native Plant Extracts - [Younkyung SEO](#)
- 15:30 Efficacy of biodegradable polymeric materials activated with essential oil of *Carlina acaulis* against *Sitophilus oryzae*: sustainable methods for the control of storage insects - [Roberto RIZZO](#)
- 15:45 Effect of azadirachtin on the tomato pinworm *Phthorimaea absoluta* and the parasitoid *Dolichogenidea gelechiidivoris* - [Lemya BENTRACIA](#)

14:00-16:00 – Courteline (L+2)

## PHYSIOLOGY & BIOCHEMISTRY

### Insect development 2

*Roshan Vijendravarma, Floris Bosveld*

### Insect metabolism and nutrition 1

*Morena Casartelli, Umut Toprak*

- 14:00 Evolution of developmental programs shaping the insect brain - [KONSTANTINA FILIPPOPOULOU](#)
- 14:30 The role of host-parasitoid interactions in dormancy induction of endoparasitic braconid wasp larvae - [Thomas ZANKL](#)
- 14:45 Spatio-temporal characterization of markers distinguishing sexual and asexual embryonic ovaries in the pea aphid - [Eglantine SOUCAT](#)
- 15:00 Functional Insights into Honey Bee Apolipoprotein-1 Revealed by Its Interactome Analysis - [Jacek MARCINIAK](#)
- 15:15 Genetic mechanisms mediating energy homeostasis during the summer and winter diapause of two leaf beetles - [Doga CEDDEN](#)
- 15:30 Translating GLP Signaling into Insect Physiology: Probing Metabolic Control in the Colorado Potato Beetle - [Umut TOPRAK](#)
- 15:45 Fat synthesis, host size and habitat type in natural populations of parasitoid wasps. - [Maude QUICRAY](#)

14:00-16:00 – Bourgueil (L+2)

## ECOLOGY & BEHAVIOR

### Population dynamics and modelling 2

*Christelle Suppo, Christelle Robinet, Sigrid Netherer*

- 14:00 Drivers of population dynamics of bark beetles under climate change relating to sustainable forest management - [Maarten DE GROOT](#)
- 14:30 Multiple linear regression models for predicting the 1st and 3rd nymphal stages of the American grapevine leafhopper (*Scaphoideus titanus*) in Austria - [Kerstin KOLKMANN](#)
- 14:45 A new vision of modelling in IPM: general optimisation problems - [Luca ROSSINI](#)
- 15:00 Automatic traps foster the monitoring and prediction of bark beetle swarming - [Sven HOFMANN](#)
- 15:15 The role of climate and trophic resource availability in predicting the establishment of *Spodoptera frugiperda* populations in Europe - [Gianni GILIOLI](#)
- 15:30 Science to practice: The Austrian Bark Beetle Dashboard supports forest management in a warming

climate based on established and novel model approaches - [Till HALLAS](#)

- 15:45 New data on *Simulium maculatum* Meigen in southern Kazakhstan: biogeography, bionomics - [Maira KHALYKOVA](#)

14:00-16:00 – Bourgueil (L+2)

## SOCIAL INSECTS

### Apidology 1

*Eric Darrouzet, Mar Leza Salord, Yves Le Conte*

- 14:00 Contributions of chemical ecology to a better understanding of social immunity in the honey bee - [Fanny MONDET](#)
- 14:30 Sperm storage in males of the buff-tailed bumblebee (*Bombus terrestris*) - [Thibaut RENARD](#)
- 14:45 From tree beekeeping heritage to biodiversity: log hives as nesting resources for social Hymenoptera in managed montane forests - [Andrzej OLEKSA](#)
- 15:00 Genetic diversity of the Ivorian honeybee, *Apis mellifera adansonii*, and implications for sustainable food systems in Africa - [Remiche Ivalda KOYO NZALA](#)
- 15:15 An Individual-based model to assess the efficiency of pollination ecosystem services - [Andrea DE FRANCESCO](#)
- 15:30 Understanding bee microbiome diversity: contributions of behavior, host phylogeny, and climate - [Linyang SUN](#)
- 15:45 The alarm pheromone could be used for a pheromone-based trap to control the invasive Yellow-legged hornet? - [Eric DARROUZET](#)

14:00-16:00 – Villandry (L+2)

## INSECTS THROUGH TIME

### Paleoentomology

*Vincent Perrichot, Brendon Boudinot*

- 14:00 Deep-time perspective on insect pollination - [David PERIS](#)
- 14:30 Wasp-flower interactions in the Eocene of Messel: flower visiting, pollinivory, and pollination - [Loup BOUDET](#)
- 14:45 A Preliminary Paleocological Analysis of Fossil Insects from a Cretaceous Crater Lake at Orapa Diamond Mine in Botswana - [Sandiso MNGUNI](#)
- 15:00 The last of Africa: an historical biogeography of *Gesomyrmex* and *Rhopalomastix* ants revealed by Miocene Ethiopian amber - [Vincent PERRICHOT](#)
- 15:15 Earliest fossil records of pollen-foraging leafcutter bees - [Valérie NGÔ MULLER](#)
- 15:30 The early evolution of the stonefly lineage (Insecta, Plecoptera) has been revealed by a new Carboniferous stem-group species found in the Piesberg quarry (Germany) - [Jakub PROKOP](#)
- 15:45 Bayesian inferences indicate floral turnovers as deep-time drivers of beetle diversification - [Jules FERREIRA](#)

Hall Bourdu (L-2)

16:00-16:30

COFFEE BREAK

16:30-18:30 – Francois 1er (L-1)

## INSECTS AS SOLUTIONS

### Biocontrol and integrated pest management 6

*Ingrid Arnault, Anaïs Chailleux, Thibault Nève de Mevergnies*

- 16:30 Exploring *Anagyrus* species as biological control agents against invasive mealybugs in Mediterranean agroecosystems - [Lucia ZAPPALA](#)
- 17:00 Evaluation of sustainable strategies for the management of *Lygus* spp. in berry and vegetable crops - [Pamela BRUNO](#)
- 17:15 Use of egg parasitoids to control pests in soybean - [Adeney DE FREITAS BUENO](#)
- 17:30 Prospecting soil-dwelling predatory mites as biocontrol agents against insect pests in Mediterranean vineyards - [Thais Juliane DO PRADO](#)

- 17:45 Synergistic effects of astigmatid mite mixtures on the performance of selected *Orius laevigatus* (Fieber) (Hemiptera: Anthocoridae) strains - [Amador RODRÍGUEZ GÓMEZ](#)
- 18:00 Assessing the potential role of the native parasitoid *Exorista larvarum* (L.) as a biocontrol agent against *Cydalima perspectalis* (Walker): a laboratory evaluation - [Serena GALLIZIA](#)
- 18:15 Interactions between *Liriomyza huidobrensis* and *Neochrysocharis formosa* under varying biotic and abiotic factors - [Sanjana AKTER](#)

16:30-18:30 – Ronsard (L+1)

### ECOLOGY & BEHAVIOR Multitrophic interactions 3

*Stéphane Boyer, Michael Rostas, Nuria Agusti*

- 16:30 Effect of nectar-inhabiting microbes on the foraging behavior and performance of insect parasitoids - [Antonino CUSUMANO](#)
- 17:00 Do plant volatiles shape species interactions in agroecological fields? - [FOTEINI PASCHALIDOU](#)
- 17:15 From pathogenicity to trophic interactions: fungal volatile cues mediate wireworms belowground behavior - [Fanny RUHLAND](#)
- 17:30 Parasitoids and their injection components indirectly alter plant responses via their caterpillar host, affecting later-arriving parasitoids - [Sarah KALISVAART](#)
- 17:45 Rhizosphere endophyte *Trichoderma virens* shapes maize defence and reduces performance of the herbivore *Helicoverpa armigera* - [Michael ROSTÁS](#)
- 18:00 Companion planting oilseed rape with faba bean rewires plant chemistry and impacts multi-trophic-interactions - [Léa BOLIS](#)
- 18:15 Effect of residual streams from black soldier fly farming on single, sequential or simultaneous herbivory by chewing and phloem-feeding insects - [MARIA ROSARIA CHIANESE](#)

14:00-16:00 – Descartes (L+1)

### ECOLOGY & BEHAVIOR Behavioral ecology 2

*Marlène Goubault, Emmanuel Desouhant*

- 16:30 To sting or not to sting: differential responsiveness to the alarm pheromone in honeybees - [Morgane NOUVIAN](#)
- 17:00 Service from beyond - fluorescent evidence for cannibalistic necrophagy in ants - [Ádám LORINCZ](#)
- 17:15 Does short-term thermal history alter contest behavior and outcome in two competing parasitoids? - [Marlène GOUBAULT](#)
- 17:30 Integrating sociality into the pace-of-life syndrome: insights from ontogenic and interspecific levels. - [Tristan ROBINEAU](#)
- 17:45 Quantifying the fitness costs and benefits of female aggression - [Andrew SPIRES](#)
- 18:00 Evaluating attraction properties of two mealybugs to *Anagrus pseudococci* and *Nephus includens* using four arm olfactometer and wind-tunnel - [SERDAR SATAR](#)
- 18:15 Sugar-driven behavioral plasticity disrupts ant-mealybug mutualism and alters interactions with predators - [Marie BOUREL](#)

16:30-18:30 – Loches (L+1)

### EVOLUTIONARY GENETICS Eco-evolutionary dynamics of host-microbiome interactions

*Franck Dedeine, Claire Valiente Moro*

- 16:30 The bacterial march to endosymbiosis: on-ramps and off-ramps - [Marjolein BRUIJNING](#)
- 17:00 A Partnership in Flux: Unraveling Symbiont Dynamics Across the Psyllid Tree of Life - [Yuanjie LI](#)
- 17:15 Experimental Removal of Niche Construction Alters the Pace and Mechanisms of Resistance Evolution - [Joachim KURTZ](#)

- 17:30 Reconstructing the drivers of microbial associations across populations and communities - [Piotr LUKASIK](#)
- 17:45 Immune regulation of the bacterial microbiota of the tiger mosquito in response to interference with de novo production of aromatic amino acids - [Mélanie BRETTON](#)
- 18:00 Bees as ecological reservoirs and dispersal agents of fission yeasts - [Marie-Amélie PUSSACQ-CAILLET](#)
- 18:15 Socially shared bacterial symbionts shape the seed harvesting behaviour of Messor ants - [Jie XIE](#)

16:30-18:30 – Chinon (L+2)

### INSECT VECTORS Vectors of plant pathogens 3

*Domenico Bosco, Clara Lago, Elisabeth Huguet*

- 16:30 Suitability of different Brassicaceae species as non-host plants for interrupting the life cycle of the sugar beet pest *Pentastiridius leporinus* - [Aurélie ROSSET](#)
- 17:00 Dual Impact, Single Strategy: RNAi for Vector-Virus Knockdown - [Kiran GADHAVE](#)
- 17:15 Silencing the vectors: RNA interference is a flexible platform for functional genomics, transmission disruption and innovative pest control - [Luciana GALETTO](#)
- 17:30 Identifying pea genes conferring resistance to aphid-transmitted Pea Enation Mosaic Virus - [Djoman BANCOULI](#)
- 17:45 Improving the Management of Cereal Aphids and Barley Yellow Dwarf Virus in Irish Winter Barley - [Jack PERRY](#)
- 18:00 Spring soil applications of *Metarhizium brunneum* show potential to control *Bactrocera oleae* and reduce Auchenorrhyncha populations - [Meelad YOUSEF YOUSEF](#)

16:30-18:30 – Courteline (L+2)

### PHYSIOLOGY & BIOCHEMISTRY Insect metabolism and nutrition 2

*Morena Casartelli, Umut Toprak*

- 16:30 The fondness of leaf beetles for symbionts and their digestive enzymes - [Roy KIRSCH](#)
- 17:00 Can cockroaches eat everything? Differential utilization of cellulose and chitin in the American cockroach - [Sofia BOUCHEBTI](#)
- 17:15 Unexpected nutritional symbiosis: microbial partners sustain nitrogen metabolism in the mosquito *Aedes albopictus* despite nitrogen-rich diets. - [Mathieu LAYS](#)
- 17:30 Sweetness, metabolic value, and feeding decisions in the whitefly *Bemisia tabaci* - [Osnat MALKA](#)
- 17:45 The Hidden Sweet Tooth of the Black Soldier Fly (*Hermetia illucens*) - [Marie MERLE](#)
- 18:00 Novel transcriptional regulators facilitate insect survival under hypoxia - [Keyan ZHU-SALZMAN](#)
- 18:15 Linking tissue- and development-specific amino acid profiles to genome-scale metabolic model in the parthenogenetic and symbiotic pea aphid - [Yohann QUIVET](#)

16:30-18:30 – Bourgueil (L+2)

### ECOLOGY & BEHAVIOR Population dynamics and modelling 3

*Christelle Suppo, Christelle Robinet, Sigrid Netherer*

- 16:30 Gaining insight on the off season biology of the olive fruit fly paves the way for developing and implementing novel control approaches - [Nikolaos PAPADOPOULOS](#)
- 17:00 Guidelines for modelling invasive species distributions: the case study of *Drosophila sukuzii*'s continued expansion in a warming climate - [Magnus CLAUSEN](#)
- 17:15 A probabilistic formalism linking multiple equilibria and biodiversity in ecological models - [Hiba NASSOR](#)
- 17:30 A coupled plant-insect model for the asparagus beetle *Crioceris asparagi* - [Adèle SAHUT](#)
- 17:45 A model describing population dynamics of *Philaenus spumarius* (Hemiptera: Aphrophoridae) - [Igor Daniel WEBER](#)
- 18:00 Comparaison of a generic lepidoptera model with digital traps monitoring for 4 major's lepidopteran in grapes,

apples and ear for 5 years of counting in Europe. - [Thierry VARRAILLON](#)

18:15 Diversity and population dynamics of some predatory spiders from district Loralai, Balochistan, Pakistan. - [Bilal Saeed KHAN](#)

16:30-18:30 – Villandry (L+2)

## INSECTS THROUGH TIME Archeoentomology

*Stefano Vanin, Federica Riso*

16:30 Funerary archaeoentomology: a discipline to investigate biodiversity, local extinction and new arrivals - [Stefano VANIN](#)

17:00 Scarab Chronicles: Reconstructing Neolithic Pastoralism and Coastal Resource Management through Beetle Remains in South-Western France - [Lisa RICHELMI](#)

17:15 In archeoentomology, sedimentary DNA sheds light on soft-bodied arthropods absent from classical insect remains - [Jérémy ROLLIN](#)

17:30 Landscape Reconstruction from Roman Pit Fauna at Marcon (Venice, Italy): The Contribution of Archaeoentomology - [Matilde STELLI](#)

17:45 When the Past Still Buzzes: Unravelling the Secrets of a Fifth-Century Tree Hive - [Bartłomiej MOLASY](#)

18:00 Archaeoentomological Investigation of Santa Maria Maggiore Crypt in Vercelli (Northern Italy) - [Giuseppina CARTA](#)

18:15 Archaeoentomological Analysis and Canonical Recognition of the Blessed Body of Maria Vittoria De Fornari Strata (Genoa, Northern Italy) - [Giuseppina CARTA](#)

Hall Bourdu (L-2)

## POSTER SESSION 2

Please remove your poster before 5pm

20:00-23h30 – La Casquette (Level+2)

## GALA DINNER Beyond ECE2026

A celebration of French Art de Vivre



## Friday – 3 July

08:00-10:00 REGISTRATION Level 0

08:30-10:30 – Francois 1er (L-1)

### INSECTS & SOCIETY

#### Insects and ecosystems services in agriculture 3

*Cécile Le Lann, Kevin Tougeron*

- 08:30 How effective is biological control and can it be scaled? Insights from fields and models - [Emily POPPENBORG MARTIN](#)
- 09:00 Impact of climate change on pollinators and pollination service in agriculture - [Sibylle STÖCKLI](#)
- 09:15 Five years of field releases reveal establishment and competitive constraints of the exotic parasitoid *Ganaspis kimorum* against *Drosophila suzukii* in Trento Province, northeastern Italy - [Marco Valerio ROSSI STACCONI](#)
- 09:30 Exploring host-plant biological control as an indirect strategy for managing invasive insect pests - [Chandra MOFFAT](#)
- 09:45 Remnant vegetation impacts on ground-dwelling predatory arthropods and their mediated ecosystem services in citrus orchards - [Shaun MANZINI](#)
- 10:15 How the new biopesticide, surfactin, impacts buzzing pollinators? - [Léa POIRIER](#)

08:30-10:30 - Descartes (L+1)

### ECOLOGY & BEHAVIOR

#### Behavioral ecology 3

*Marlène Goubault, Emmanuel Desouhant*

- 08:30 Behavioural responses to abiotic stress: from evolutionary feedback to survivor persistence in the Colorado potato beetle - [Nijat NARIMAN](#)
- 09:00 Brood presence shifts bumble bee foraging toward metal-free food despite lower sugar - [Kévin TOUGERON](#)
- 09:15 Facultative parthenogenesis can enhance resilience in light polluted tropical forests - [Jackson CLIVE](#)
- 09:30 Near-infrared vision guides parental investment in a burying beetle - [Angèle ROLLAND](#)
- 09:45 Species-specific behavioral consistency suggests a phylogenetic component to personality in ants - [Liselotte GUILLEMIN](#)
- 10:00 Combination of senses: odour and colour in *Drosophila suzukii* traps - [Astrid EBEN, DR.](#)
- 10:15 Autonomous behavioural monitoring in earthworms: a scalable platform for high-throughput ethological studies - [Dev MEHROTRA](#)

08:30-10:30 – Loches (L+1)

### INSECTS AS SOLUTIONS

#### Ecosystems services – Pollination

*Irene Villalta, Sara Reverte Saiz*

- 08:30 Restoring pollinators: research, policy and practice - [Jane STOUT](#)
- 09:00 Soil - Plants - Pollinators networks of pesticides in agricultural landscapes - [Benoît GESLIN](#)
- 09:15 Plant-Pollinator monitoring for rural ecosystem sustainability: two Italian experiences - [Marta GALLONI](#)
- 09:30 Databases on distribution and traits of the European wild bee and hoverfly fauna - [Sara REVERTE SAIZ](#)
- 09:45 Wetland pollination networks: new insights into the role of riparian plants and aquatic insects in agricultural landscapes - [Cassandre MURAIL](#)
- 10:00 Landscape, management and seasonality drive flora functional structure, and flower-visiting insect diversity in Mediterranean vineyards - [Mélodie OLLIVIER](#)
- 10:15 The resource competition between honeybees (*Apis mellifera*) and wild bees (Hymenoptera: Apoidea) in anthropogenic landscapes - [Jakub STRAKA](#)

08:30-10:30 – Chinon (L+2)

### BIODIVERSITY

#### Species distribution 3

*Sylvain Pincebourde, Olivier Chabrerie, Olivia Bates*

- 08:30 Evaluating the impact of climate change on the decline of European bumblebee populations - [Bastien DE TANDT](#)
- 09:15 Bias-aware species distribution modelling of data-deficient Southeast Asian fireflies reveals patterns of habitat suitability and exposure to light pollution - [Janine SOH](#)
- 09:30 Surviving in a changing world: lessons from habitat suitability modelling of a specialist species *Oedipoda caerulescens* (Orthoptera: Acrididae) - [Ruta STARKA](#)
- 09:45 NSDM-based prediction of an invasive species' distribution on a small tropical island using a surrogate region - [Tomy GRONDIN](#)
- 10:00 Sampling bias correction when combining structured and opportunistic data for wild bee species distribution models: A case study from Latvia - [Betija RUBENE](#)
- 10:15 Wireworms and click beetles in Quebec (Canada): what is new? - [Julien SAGUEZ](#)

08:30-10:30 – Vouvray (L+2)

### INSECTS & SOCIETY

#### Biopesticides and improved formulations 3

*Giulia Giunti, Dietrich Stephan, Orlando Campolo*

- 08:30 Botanical Nano-Insecticides in Pest Management: Formulation, Bioactivity, and Constraints - [Antonino MODAFFERI](#)
- 09:00 Oregano essential oil nanoemulsion for the control of the cotton leafworm *Spodoptera littoralis* - [Adeney DE FREITAS BUENO](#)
- 09:15 Encapsulation of mustard essential oil in chitosan: technical aspects and aphicidal activity - [PIERLUIGI FORLANO](#)
- 09:30 DsRNA-based biopesticides for sustainable control of the Cabbage Stem Flea Beetle (*Psylliodes chrysocephala*) - [Madeleine WORKMAN](#)
- 09:45 Nanocarrier-Mediated Delivery of dsRNA for RNAi-Based Control of *Brassicogethes aeneus* - [Triin KALLAVUS](#)
- 10:00 RNAi-based bait formulation reduces target gene expression and medfly pupal emergence - [Jhonn Christopher GONZALEZ RODRIGUEZ](#)
- 10:15 Efficacy of zinc oxide nanoparticles and entomopathogens against the khapra beetle (*trogoderma granarium*) - [Shahbaz AHMAD](#)

08:30-10:30 – Courtelaine (L+2)

### INSECTS & SOCIETY

#### Urban entomology

*Elodie Vercken, Simon Hodge*

- 08:30 Advancing from urban ecology to Ecology-based Solutions - [Stephen VENN](#)
- 09:00 Arthropod biodiversity and ecosystem services in recent urban micro-ecosystems - [Alexandra AUGUSTE](#)
- 09:15 Impact of urban gradient on bee and hoverfly communities - [Thibaud CHALET](#)
- 09:30 A Summer in the City: *Platanus* lace bug, *Corythucha ciliata*, and *Holm oak bark scale*, *Nidularia pulvinata* - Two newly reported Hemipteran pests in Central London - [Anna PLATONI](#)
- 09:45 Spatiotemporal dynamics of breeding site composition: what impact on the Asian tiger mosquito biology and behaviour? - [Axelle GENTIL](#)
- 10:00 Pretty vacant: disputed value of bee hotels for urban conservation initiatives - [Simon HODGE](#)
- 10:15 Pollinator community assembly in urban green spaces is shaped by trait filtering at broader spatial scales - [Emma PLANT](#)

08:30-10:30 – Bourgueil (L+2)

**INSECTS AS SOLUTIONS**  
**Ecosystems services**  
**Soil managers and architects**

*Oliver Blight, Jan Frouz, Tania De Almeida*

- 08:30 Towards a Large-Scale Understanding of Soil Insect Effects on Ecosystem Functions - [Jerome MATHIEU](#)
- 09:00 Ants in restoration ecology: Why, what's and the way forward - [Tania DE ALMEIDA](#)
- 09:15 Influence of Thermal Conditions on Early Colony Dynamics in the Black Garden Ant *Lasius niger* - [Rafael DA SILVA](#)
- 09:30 Dung Beetle Diversity and Function in Mediterranean Landscapes: Effects of Habitat, Landscape, and Resource Availability. - [Mélanie BERTRAND](#)
- 09:45 Soil fauna taxonomic and functional responses to vineyard management intensity in Mediterranean context: a multi-taxa approach - [Clara ZIMMERMANN](#)
- 10:00 Field-based and experimental insights into how disturbance shapes bioturbation in tropical ecosystems - [Marie HOVORKOVÁ](#)
- 10:15 Global distribution of soil fauna its effect on litter consumption and organic matter incorporation in soil - [Jan FROUZ](#)

*Hall Bourdu (L-2)*

10:30-11:00 **COFFEE BREAK**

11:00-13:00 – Francois 1er (L-1)

**PLENARY LECTURE & CLOSING CEREMONY**

*David Giron, Elisabeth HERNIOU*

**11:00 PLENARY LECTURE**  
**Insect Multitrophic Interactions for Sustainable Plant Protection**

[Francesco PENNACCHIO](#) – Department of Agricultural Sciences University of Naples Federico II, Italy

**12:00 CLOSING CEREMONY**

[David GIRON](#) & [Elisabeth HERNIOU](#) – Chairs of ECE 2026  
[Salvador HERRERO](#) & [Maria Cristina CRAVA](#) – Chairs of ECE 2030

[Iain PATERSON](#) & [Chris WELDON](#) – Chairs of ICE 2028

*Foyer (L-1)*

12:00-13:30 **LUNCH BOXES**



*ECE2026 and the Conference Centre close at 2pm on Friday 3 July 2026*

*We trust you enjoyed your stay in Tours and hope to see you soon here in the Val de Loire Region*

*or elsewhere, maybe in Cape Town for ICE 2028 or Valencia for ECE2030*



**XIV EUROPEAN CONGRESS OF ENTOMOLOGY**  
**VALENCIA 2030**

*We wish you all a safe journey home.*

*David & Elisabeth*





# ICE 2028

17th–21st JULY 2028

CAPE TOWN  
ENTOMOLOGY FOR A  
BETTER FUTURE

## JOIN US IN CAPE TOWN TO SHAPE THE FUTURE OF ENTOMOLOGY

The international entomology community is converging on the tip of Africa. Join us in Cape Town for the XXVIII International Congress of Entomology (ICE 2028), where the global leaders of our field will unite to shape the next chapter of entomological science.

Twenty years after our last landmark event in South Africa, we are ready to welcome the world back. Under the theme “Entomology for a Better Future,” we are creating a space to tackle the most critical challenges of our era, from revolutionising global food security and mitigating insect-borne diseases to pioneering sustainable innovation and the conservation of our planet’s vital biodiversity.

### WHY YOU CANNOT MISS ICE 2028:

#### **The Complete Discipline:**

As the only global congress covering the entire spectrum of entomology, this is the singular venue where fundamental research meets applied science across agriculture, public health, and ecology.

#### **A Global Knowledge Exchange:**

A global reach, with delegates from over 80 countries at previous ICE congresses, you will engage with a diverse, international network of peers, mentors, and collaborators.

#### **Unmatched Setting:**

Experience the unique scientific and cultural richness of Cape Town and the rest of South Africa. Our region serves as a living laboratory for biodiversity, providing the perfect backdrop for professional development and meaningful discourse.

This is more than a conference; it is a collaborative movement to grow the impact of entomology on the African continent and beyond. From foundational research to applied solutions, and across all methods, systems, and career stages, your contribution is central to the conversation shaping insect science.

Register your interest and stay updated  
on the call for abstracts at [ice2028.com](https://ice2028.com)





**XIV EUROPEAN  
CONGRESS OF  
ENTOMOLOGY**  
VALENCIA 2030

**SAVE  
THE DATE**    **24-28  
JUNE**    **2030**

# Peer Community In & Peer Community Journal

\*\*\*\*\*

Free of charge for authors and readers





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ENTOMOLOGY  
FOR OUR FUTURE

**WORKSHOPS**  
**TRAINING AND TESTIMONIES**  
**SATELLITE MEETINGS**



#ECE2026Tours



# Workshops

ECE2026 is an opportunity to share knowledge and extend your horizons, opening opportunities to network, start new collaborations and think about research projects. A series of workshop on EU funded programmes, scientific communication and publishing, as well as research frontiers in insect science may help your ideas come true.



## EU-funded programmes: Career in Entomology

### COST networks

#### From Insects to Impact: Building Powerful COST Collaborations

Monday 29<sup>th</sup> of June  
François 1<sup>er</sup> Theatre  
Open to all conference attendees

This dynamic 1-hour session explores how European Cooperation in Science and Technology (COST) Actions drive collaboration, innovation and impact in insect research across Europe. Following a concise introduction to COST principles, objectives, and funding mechanisms, participants will hear short testimonies from ongoing insect-focused Actions. These case studies will highlight scientific goals, networking strategies, and real-world impacts. The workshop concludes with practical guidance on upcoming activities, as well as clear “dos and don’ts” for launching a new COST Action—equipping participants to turn ideas into effective, international research networks. **Chair.** *David Giron*

### LIFE projects

#### Insects at the edge: LIFE-funded conservation strategies for Europe's threatened fauna

Tuesday 30<sup>th</sup> of June  
Room Loches  
Open to all conference attendees

Insects and pollinators are among Europe's most ecologically vital yet critically threatened species groups. This symposium highlights the EU LIFE Programme as a key funding mechanism for their

conservation, bringing together practitioners from a range of LIFE projects to share their approaches, results and experiences of securing and delivering LIFE funding. The session aims to inspire delegates to develop future LIFE project proposals aimed at protecting threatened insect species and their habitats. **Chairs.** *Gustavo Becerra Jurado.*

### Career in Entomology 1

#### Launching Your Career in Insect Science: Master Erasmus Mundus & MSCA Doctoral Networks

Tuesday 30<sup>th</sup> of June  
Descartes Theatre  
Open to all conference attendees

What does it take to build — or join — a high-quality international training programme in insect science? This workshop focuses on two powerful EU instruments designed to create structured, multi-partner research training: Erasmus Mundus Joint Masters and MSCA Doctoral Networks. Hear directly from researchers embedded in two flagship programmes and find out what made these projects work, what they'd do differently, and what opportunities still exist to get involved or build something new. The Région Centre–Val de Loire team will be on hand throughout to present the tools and support available locally to help you take the next step. **Chairs.** *Ivana Cernanova, Gayanaka Wijethilake & David Giron*

### Career in Entomology 2

#### Boosting Your Career in Insect Science: Individual international fellowships MSCA Postdoctoral Fellowships & ERC grants

Wednesday 1<sup>st</sup> of July  
Descartes Theatre  
Open to all conference attendees

You've built your expertise — now how do you turn it into a funded, independent research career with an international dimension? This workshop puts the spotlight on two highly competitive but transformative EU instruments: MSCA Postdoctoral Fellowships and ERC Starting/Consolidator Grants. Researchers who have been through the process will

share their experience first-hand — what the journey really looks like, what evaluators are looking for, and the honest lessons learned along the way. Whether you're weighing up your options or ready to write your first draft, you'll leave with a clearer sense of where to aim and how to get there. The Région Centre–Val de Loire team will be on hand throughout to present the tools and support available locally to help you take the next step.

Remember: the real magic often happens after the sessions. Let's turn funding know-how into real partnerships.

**Chairs.** *Gayanaka Wijethilake & David Giron*

### Career in Entomology 3

#### Leading the Future in Insect Science: Collaborative Instruments MSCA Staff Exchanges, ERC Synergy, EIC Pathfinder...

Thursday 2<sup>nd</sup> of July  
Descartes Theatre  
Open to all conference attendees

Ready to think bigger — or simply to grow your network, one collaboration at a time? This workshop looks at instruments designed for collaboration at every scale — from one-to-one research partnerships and researcher exchanges to large multi-partner consortia bringing together teams, institutions, and disciplines across borders. From MSCA Staff Exchanges and ERC Synergy Grants to the European Innovation Council, we'll map out the landscape of collaborative EU funding. We'll also shine a light on what's available nationally and locally: the CNRS Amorce programme, the University of Tours Visiting Researchers Programme, and Le Studium's range of fellowships and residency schemes offer concrete entry points for hosting or joining international research partnerships — whether you're looking for a single collaborator or building something much larger. Whether you're at the early stages of imagining a project, keen to find the right partner, or looking to strengthen and expand an existing network, this session will give you a clearer picture of what's possible and how to get started. **Chairs.** *Gayanaka Wijethilake, David Giron & Aurélien Montagu*

### Career in Entomology 4

#### Careers in insect science Pathways, case studies and inspiring the next generation

Wednesday 1<sup>st</sup> of July  
Room Vouvray  
Open to all conference attendees

The Royal Entomological Society (RES) has a strategic priority to increase public understanding of insect science, as part of its vision to 'enrich the world with insect science'. There are many careers and pathways working with insects; young people, school science educators and those with a keen interest in natural history are however often not aware of these. Ongoing work at RES is to provide the next generation with opportunities to choose careers in insect science. As part of 2025-2028 strategy, RES is developing new resources to highlight careers with insects to different audiences. From early 2026 we will be sourcing case studies of insect scientists working in a range of entomological disciplines, from diverse backgrounds and with different career pathways. We will develop and test stories about these entomologists, aiming to be engaging and inspiring to a young audience. **Chair.** *Francisca Sconce*



### Scientific communication and publishing in Entomology

#### Scientific communication and publishing in Entomology 1

#### Tiny creatures, lasting impact: Science communication for entomology

Tuesday 30<sup>th</sup> of June  
Room Courteline  
Open to all conference attendees

Science communication goes far beyond simply publishing a paper in a journal and posting the link on your social media feed. Translating complex entomological research into tailored communication materials is essential for connecting your findings with policymakers, practitioners, stakeholders, and the wider public. This workshop explores how the communication teams behind EU-funded entomology projects and academic journals can team up with researchers to address the challenge of making insect science accessible, relevant, and actionable for diverse audiences through targeted communication tools, channels, and strategic approaches. Drawing on practical examples, communication strategies, and lessons learned, the workshop will highlight successful practices, common challenges, and key factors that contribute to long-term knowledge

uptake and impact. Participants will also have the opportunity to apply these insights during a 30-minute interactive exercise where they will translate a real research output into tailored communication activities for different target audiences. **Chairs.** *Carla Stoyanova, Maria Kolesnikova & Nikolay Mehandzhiyski.*

### Scientific communication and publishing in Entomology 2

#### Open science and open access: From publication models to scholarly communication”

Wednesday 1<sup>st</sup> of July  
Room Courteline

Open to all conference attendees

As open science continues to reshape scholarly communication, the ways in which research is published, reviewed and disseminated are rapidly evolving. New publishing models, peer review approaches, and community-driven initiatives are expanding the scholarly publishing landscape, while emerging tools and dissemination strategies create opportunities to increase research visibility and impact. In this workshop, participants will explore evolving open-access publishing models and discover how multifaceted scholarly communication approaches can help researchers enhance the visibility, discoverability and impact of their work. **Chairs.** *Maria Kolesnikova (Pensoft Publishers) & Denis Bourguet Peer Community In (PCI)*

### Scientific communication and publishing in Entomology 3

#### Entomology in the wikispace

Thursday 2<sup>nd</sup> of July  
Room Bourgueil

Open to all conference attendees

This workshop is a basic introduction to the wiki ecosystem (Wikidata, Wikipedia, Wikimedia Commons) and the current status of entomology in the Wikimedia project. Participants will be guided through the creation of a Wikipedia article for a taxon of their choosing, including best practices, tips and tricks, and how to continue contributing to the Wikimedia project. **Chair.** *Thomas CK Hall*



### Research Frontiers in Insect Science

#### Research Frontiers in Insect Science 1 Institut Pasteur: From Lab to Field A New Centre for Vector-Borne Diseases

Monday 29<sup>th</sup> of June  
Room Chinon

Open to all conference attendees

This workshop introduces Institut Pasteur’s new Centre for Vector-Borne Diseases, created to bridge lab discoveries and real-world applications on the field. It unites expertise in vector biology, pathogen transmission, immunology, ecology, and data science, powered by shared platforms and an active network of partner institutes across the world. Presentations from several Institut Pasteur researchers will showcase the diversity of biological systems and methodologies to be implemented in the centre. Anchored in a One Health framework through partnerships across France, Europe, and global consortia, and coupling training with open, collaborative research, the initiative aims to anticipate emerging threats and strengthen preparedness. **Chairs.** *Anna-Bella Failloux & Sarah Merkling*

#### Research Frontiers in Insect Science 2 Long-term perspectives on the biomimetics of multi-functional interfaces

Monday 29<sup>th</sup> of June  
Room Bourgueil

Open to all conference attendees

Following the symposium INSECTS AS SOLUTIONS — “Biomimetism - From biological to bio-inspired photonic materials”, this workshop would like to convene with all the presenters to present and discuss some broader perspectives on where the field of biomimetics is headed and to explore the possibility of writing a joint perspective for publication. **Chairs.** *Vinod Kumar Saranathan & Bodo Wilts*

### Research Frontiers in Insect Science 3 “Discussing a recurring meeting on insect parental care”

Monday 29<sup>th</sup> of June  
Room Villandry  
Open to all conference attendees

The goal of this workshop is to discuss the idea of starting a biannual meeting focused on insect parental care. The idea is to create a new forum in an informal and sociable setting to talk and present science on insect parental care and network. There will be a short presentation outlining some of details, and a roundtable discussion on how to move forward, and who is interested in participating.

**Chairs.** Jos Kramer, Joël Meunier & Max Körner

### Research Frontiers in Insect Science 4 “Image and video analysis tools in entomology (AnimalTA, Braid, FLO, Trapview)”

Tuesday 30<sup>th</sup> of June  
Room Villandry  
Open to all conference attendees

This workshop aims to present various tools used for image and video analysis, which are relevant to monitoring and studying insect behavior and ecology. **AnimalTA:** AnimalTA is an open-source video-tracking software designed to analyse animal movement and behaviour from recorded videos. It provides an accessible, user-friendly interface, allowing researchers to rapidly extract trajectories even from complex or low-quality recordings.

**Braid:** Braid is a multi-camera tracking software. It performs tracking of marker-less targets which makes Braid particularly useful for tracking freely moving insects. Braid operates at low latency which makes it highly suitable for integration with closed-loop systems triggered by animal position, such as VR. **Fast Lock On (FLO):** FLO is a method for videography that uses a camera system that automatically moves with the subject. FLO can be integrated into stationary and mobile drone-based systems to obtain high resolution tracking data and video of insects over large areas. **Trapview:** Trapview is an automated insect monitoring and forecasting system. Part of the system is also deep-learning based image recognition. We will showcase which steps are crucial in preparing the training data sets, training various types of neural networks for different insects and running these models 24/7 against thousands of pictures of trap catches sent daily from automated insect traps. **Chairs.** Violette Chiara, Michael Harrap, Tristan Robineau, Julien Saguez & Matej Stefancic

### Research Frontiers in Insect Science 5 “Cutting-edge methods for the functional characterization of arthropod genes”

Wednesday 1<sup>st</sup> of July  
Room Courteline  
Open to all conference attendees

This workshop wants to bring on the table the use of the most groundbreaking ways to functionally characterize different genes across diverse arthropods impacting agriculture. By providing recent case studies on spider mites and pest insects, we will illustrate approaches of both gene silencing/knock-in methodologies and receptor deorphanization through different heterologous expression systems. **Chairs.** Alberto Maria Cattaneo & Sanders De Rouck

### Research Frontiers in Insect Science 6 “Ethics and welfare”

Thursday 2<sup>nd</sup> of July  
Room Courteline  
Open to all conference attendees

**Chairs.** Jessica Stokes, Craig Pearl & Christophe Bressac

Wednesday 1<sup>st</sup> of July  
Room Chinon  
Open to all conference attendees



### Honouring a Life in Entomology



**Marylène Poirié (1966-2026)**

Professor Marylène Poirié devoted her scientific career to advancing our understanding of insect biology through an integrative and deeply innovative approach combining molecular biology, evolution, immunity, symbiosis, and host–parasite interactions. After beginning her full-time research career at the Insect Biology Research Institute (IRBI, University of Tours / CNRS), she went on to become an internationally recognized figure in Molecular Insect Science, notably through her pioneering work on parasitoid venoms, insect immunity, bacterial symbioses, and sex determination in Hymenoptera. Beyond her major scientific contributions, Marylène Poirié was also a dedicated mentor, teacher, collaborator, and a driving force within the entomological community. Her enthusiasm for science, openness to interdisciplinary approaches, and generosity toward students and colleagues profoundly shaped many careers and collaborations across Europe and beyond. This workshop honours her memory through scientific presentations reflecting the diversity, originality, and lasting impact of her research legacy. **Chairs.** Jean-Michel Drezen & Jan-Luc Gatt



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FOR OUR FUTURE

**NAVIGATING FUNDING  
AND PARTNERSHIP  
OPPORTUNITIES  
IN CENTRE-VAL DE LOIRE**



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## Europe and Research in the Centre-Val de Loire Region



### Cellule Mutualisée Europe Recherche

To strengthen the visibility and impact of research at the European level, the Universities of Orléans and Tours, together with CNRS and INSA Centre-Val de Loire, created the **CMER** with the financial support of the Centre-Val de Loire Regional Council.

#### Support for Researchers – Partnership Opportunities

CMER assists researchers from CNRS, the Universities of Orléans and Tours, and INSA Centre-Val de Loire by providing:

- Guidance on joining European research networks and consortia;
- Identification of suitable Horizon Europe and other EU funding opportunities;
- Partner search and consortium-building support;
- Advice throughout the proposal preparation process;
- Administrative and budgetary assistance;
- Support with drafting governance and implementation sections;
- Assistance with impact strategy development through specialised consultancy support.

CMER also supports incoming researchers and facilitates collaborations between external institutions and the Centre-Val de Loire research community.

#### Project Support Across 8 Key Stages

1. Individual consultation meetings
2. Identification of funding opportunities
3. Partner search and consortium liaison
4. Administrative and budgetary management
5. Project structuring
6. Proposal proofreading and editing

7. Proposal submission
8. Contract preparation and project handover

#### Objective

Our goal is to maximise researchers' chances of success in European funding programmes by providing personalised guidance and comprehensive project support at every stage of the application process, while facilitating the integration of incoming researchers and strengthening collaborative projects within the Centre-Val de Loire research ecosystem.

<https://cellule-europe-recherche-centre.fr/>



The LE STUDIUM Loire Valley Institute for Advanced Studies is a multidisciplinary institute whose mission is to promote the internationalisation of research in the Centre-Val de Loire region. The institute proposes and implements innovative programmes to foster scientific exchange and stimulate fundamental research on an international scale. In collaboration with all regional academic partners and research organisations, LE STUDIUM welcomes high-level international talents for long-term stays in a multidisciplinary environment of excellence.

As part of its flagship mobility programme, the Smart Loire Valley Programme, the regional Ambition Research and Development programmes, and its partnerships with the European universities ATHENA and NEOLAIA and the MSH Val de Loire, LE STUDIUM organises scientific events (conferences, workshops, consortia, expert days, etc.) to strengthen collaborations, extend networks, and share scientific knowledge. LE STUDIUM also explores research

ecosystems of interest abroad with a view to networking and developing new projects.

Its diversified portfolio of themes and actions offers an open vision of the world and science, and international exchange, creating opportunities for long-term stays in the Centre-Val de Loire region and fostering lasting scientific collaborations and partnerships.

<https://www.lestudium-ias.com/fr>



### Ambition Centre-Loire Valley

#### Winter School



The CNRS, the University of Orléans, the INSA Centre Val de Loire and the University of Tours, through their joint project « Ambition Centre Val-de-Loire » (ACVL), are offering fellowships for promising young researchers - of any nationality - who are applying to Marie Skłodowska-Curie Postdoctoral Fellowship (MSCA PF) 2025 Call, for a research postdoctoral project hosted by this establishment (France).

This fellowship consists of a 1 week visit of our institution fully covering transport, accommodation, meals.

This week will be divided between presentations on European funding opportunities, working sessions, and tourist visits to the Loire Valley castles.



### Centre-Val de Loire Regional Council

#### Programme PAAC

Projects submitted to the Marie Skłodowska-Curie Actions Postdoctoral Fellowships (MSCA PF) programme that were not funded due to budget constraints despite obtaining an

evaluation score above 85/100 and being awarded the “Seal of Excellence”, may be eligible for regional funding opportunities. The Centre-Val de Loire Regional Council will provide funding, up to €80,000, to support Marie MSCA PF Seal of Excellence proposals, provided that applicants have submitted a research project developed in collaboration with a supervisor affiliated with a regional host institution.

<https://www.centre-valde Loire.fr/>



## Centre National de la Recherche Scientifique

### AMORCE Program, incoming researchers and collaboration tools

The AMORCE programme supports researchers and faculty members affiliated with CNRS research units who plan to coordinate collaborative Horizon Europe projects. Eligible schemes include ERC Synergy Grants, MSCA Doctoral Networks and Staff Exchanges, Infrastructure projects, Pillar II collaborations, EIC projects, and Widening or COST initiatives. Funding ranges from €5,000 to €10,000 depending on the project type, with priority given to proposals involving international partners. Eligible expenses include consortium-building activities (travel, networking, proposal meetings) as well as professional support for proposal formatting, translation, and proofreading.

[https://international.cnrs.fr/actualite/appele\\_projets\\_amo\\_rce\\_2026/](https://international.cnrs.fr/actualite/appele_projets_amo_rce_2026/)

CNRS also provides tailored support for incoming scientists through scientific proposal reviews, ERC interview training, and mentoring by successful applicants. Researchers can

also benefit from CNRS international collaboration frameworks such as **IRN (International Research Networks)** to build scientific communities, **IRP (International Research Projects)** to support structured bilateral collaborations, and **IRL (International Research Laboratories)** for long-term joint research structures abroad, fostering durable partnerships and international mobility opportunities linked to the Centre-Val de Loire research ecosystem.

<https://international.cnrs.fr/en/cooperer-a-l-international/>



## European university NEOLAIA

### Research Collaboration Support Fund/ Visiting Researchers Program

In May 2026, the University of Tours launched two new calls for proposals focused on European mobility and research collaboration within the framework of the NEOLAIA alliance, supported by the France 2030 investment plan.

The first call, the NEOLAIA Research Collaboration Support Fund, targets researchers affiliated with Université de Tours, including early-career researchers, doctoral candidates, and academic staff. It aims to support incoming and outgoing mobility opportunities (up to €20,000), including within the context of joint or co-supervised doctoral theses.

<https://www.univ-tours.fr/neoiaia/opportunites-pour-les-personnels/neoiaia-fonds-de-soutien-aux-collaborations-de-recherche>

The second call, the Visiting Researchers Program, implemented in partnership with Le Studium, is aimed at

established researchers (PhD > 3 years), providing funding for research stays of 3 to 9 months within a research unit at Université de Tours. Both calls will support projects carried out between 1 August 2026 and 31 October 2027 and are open to all academic disciplines.

<https://www.lestudium-ias.com/recruitment/neoiaia-visiting-researchers-programme-2026>



## The Insect Biology Research Institute

### Incoming Researchers and Research Collaborations Support

IRBI actively supports potential incoming researchers and international collaborators through dedicated networking, visibility, and mentoring opportunities. Our seminar programme, Kikikose, is designed to help future CNRS applicants, post-doctoral fellows, and international partners discover our research environment, meet IRBI members, visit our infrastructures, present their work, and explore future collaborations.

To strengthen applications and facilitate integration into the French research ecosystem, IRBI also offers a personalised and tailored support process for candidates applying to CNRS researcher positions, as well as for prospective PhD students and post-doctoral fellows, helping them identify funding opportunities, prepare competitive applications, and build strong scientific connections within our laboratory and the wider Centre-Val de Loire research community

<https://irbi.univ-tours.fr/>







**ECE2026**  
TOURS • FRANCE

**CONNECT**  
**SHARE**  
**ADVANCE**

ENTOMOLOGY  
FOR OUR FUTURE

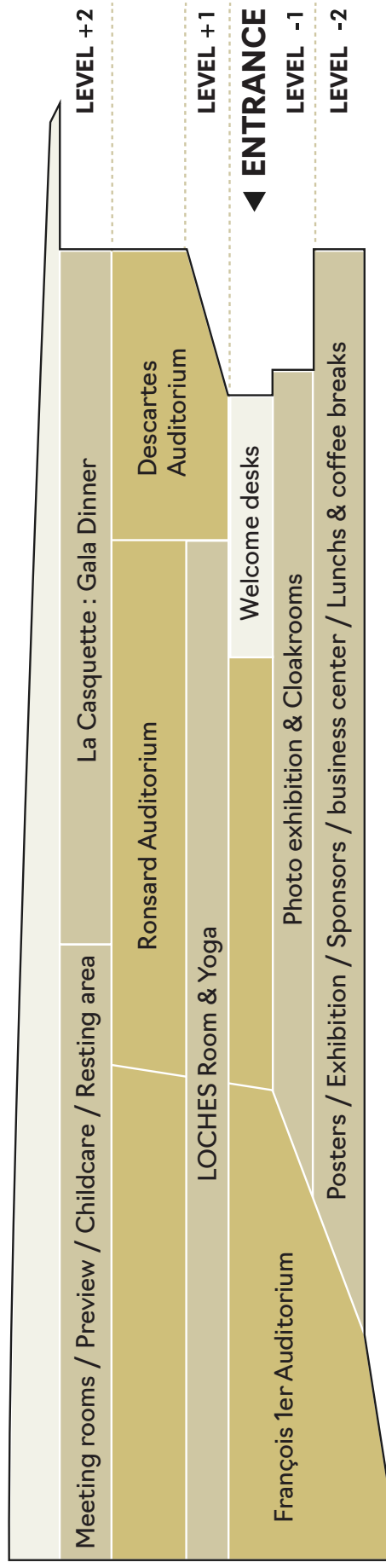
**CONFERENCE VENUE**  
**MAPS**



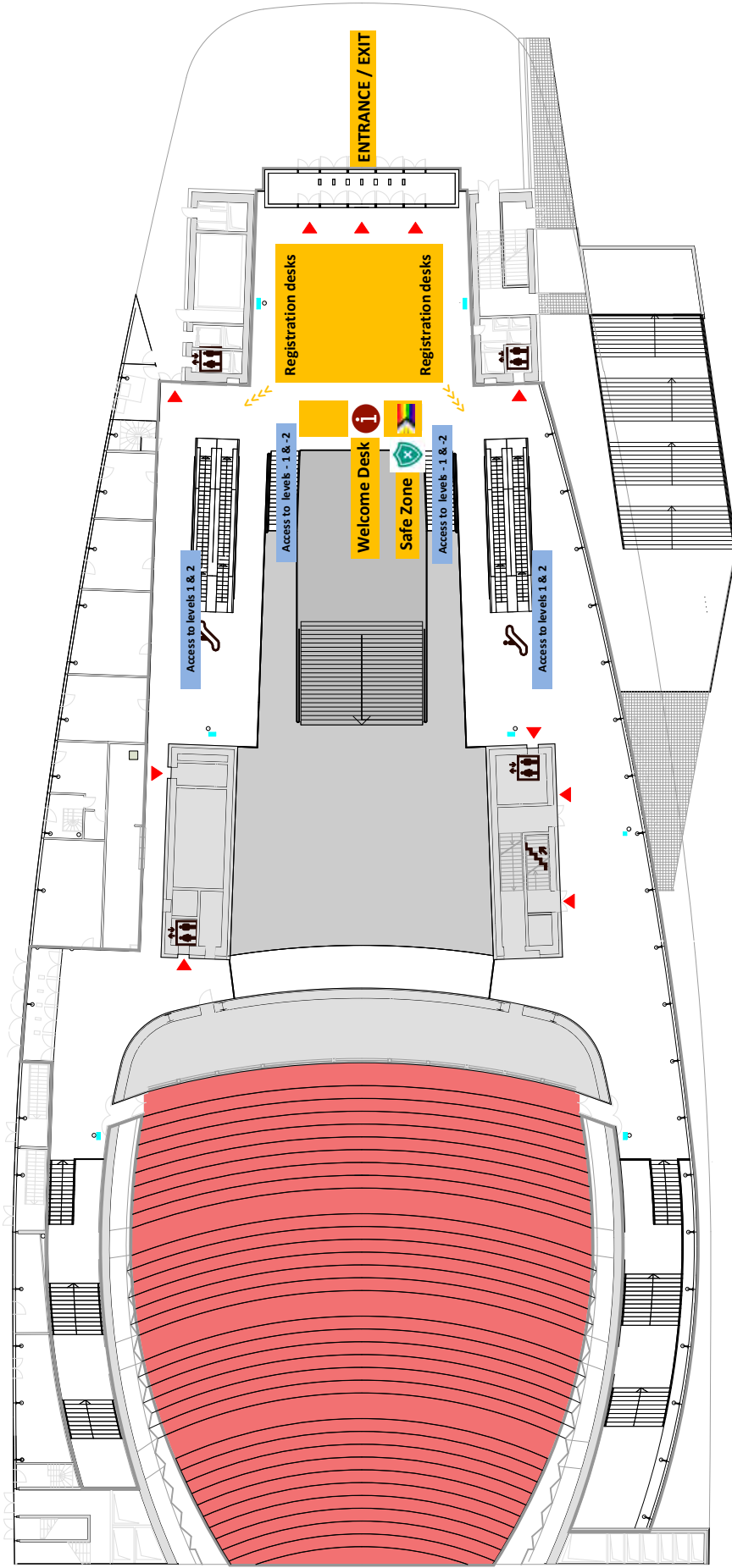
#ECE2026Tours




# PALAIS DES CONGRÈS SECTIONAL PLAN



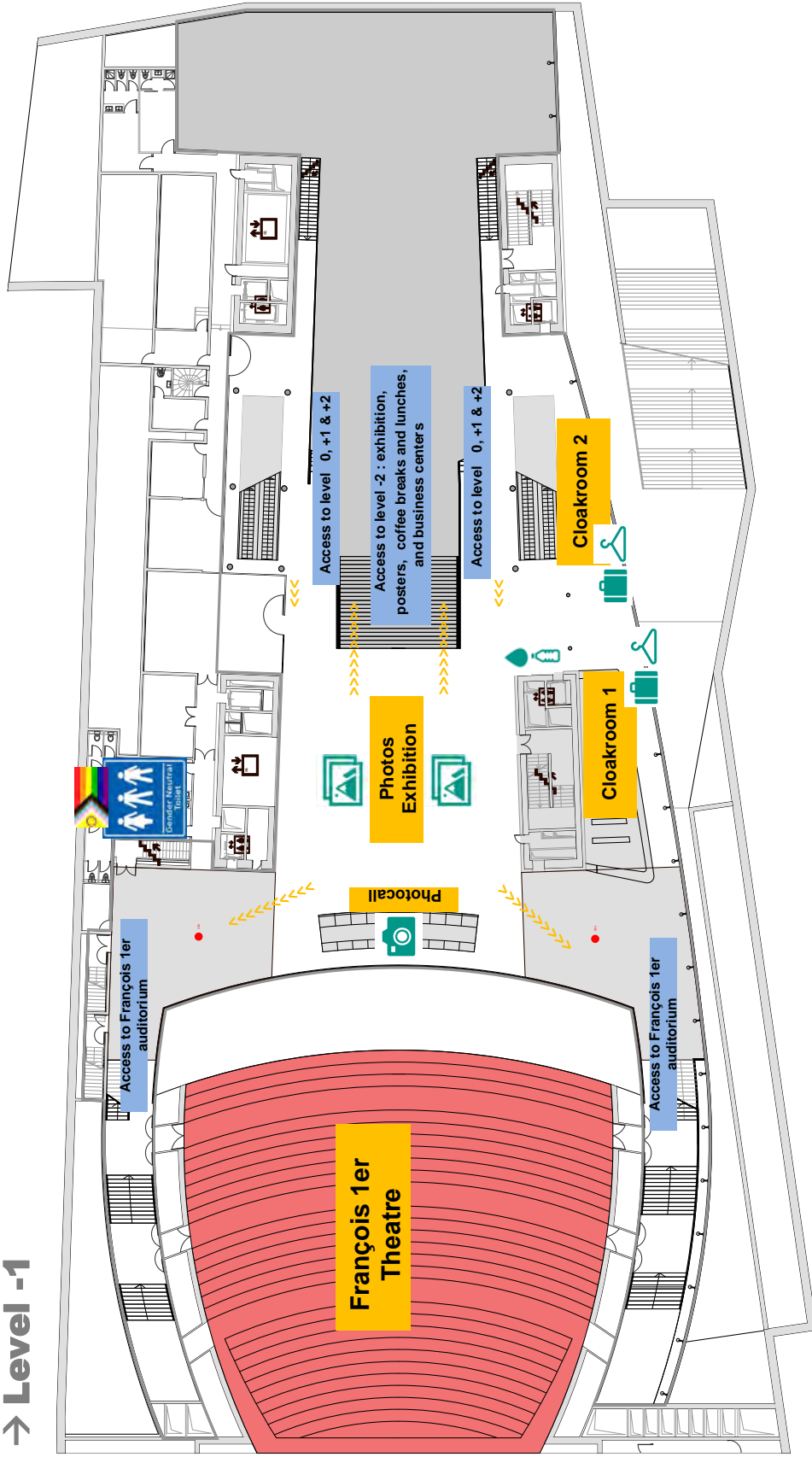
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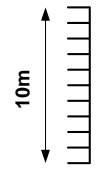
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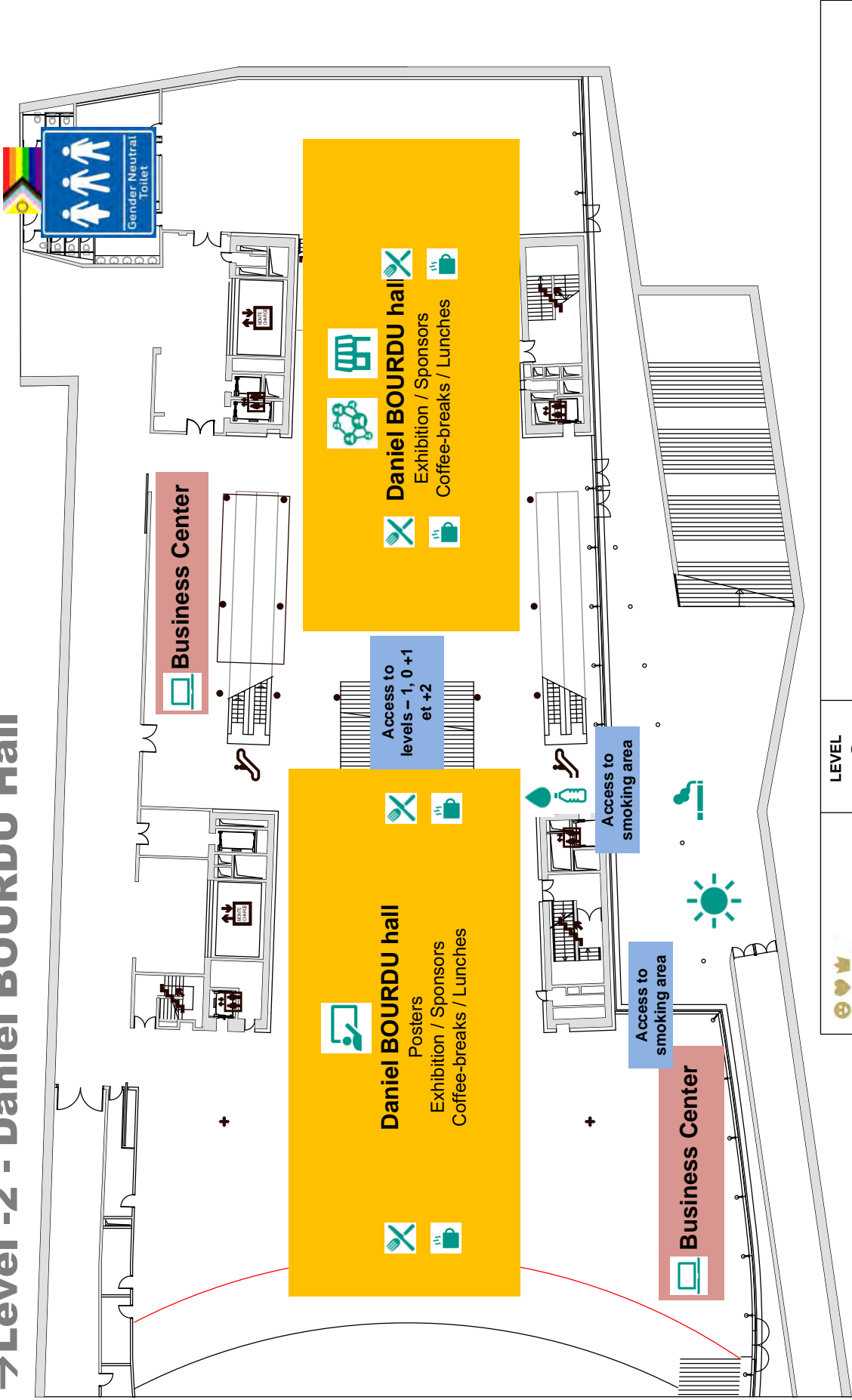
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# → Level -2 - Daniel BOURDU Hall

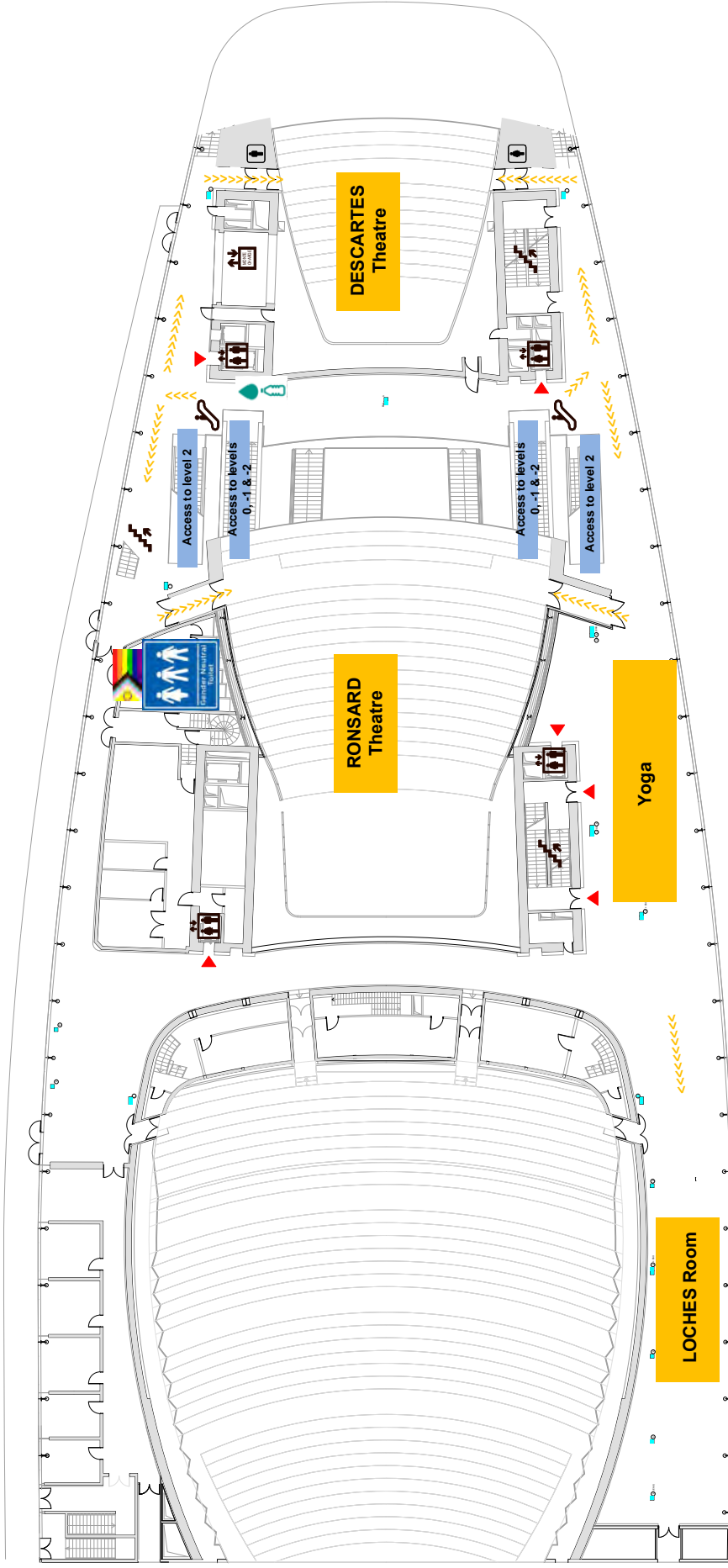



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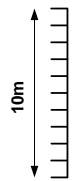
STAND  
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→ Level +1

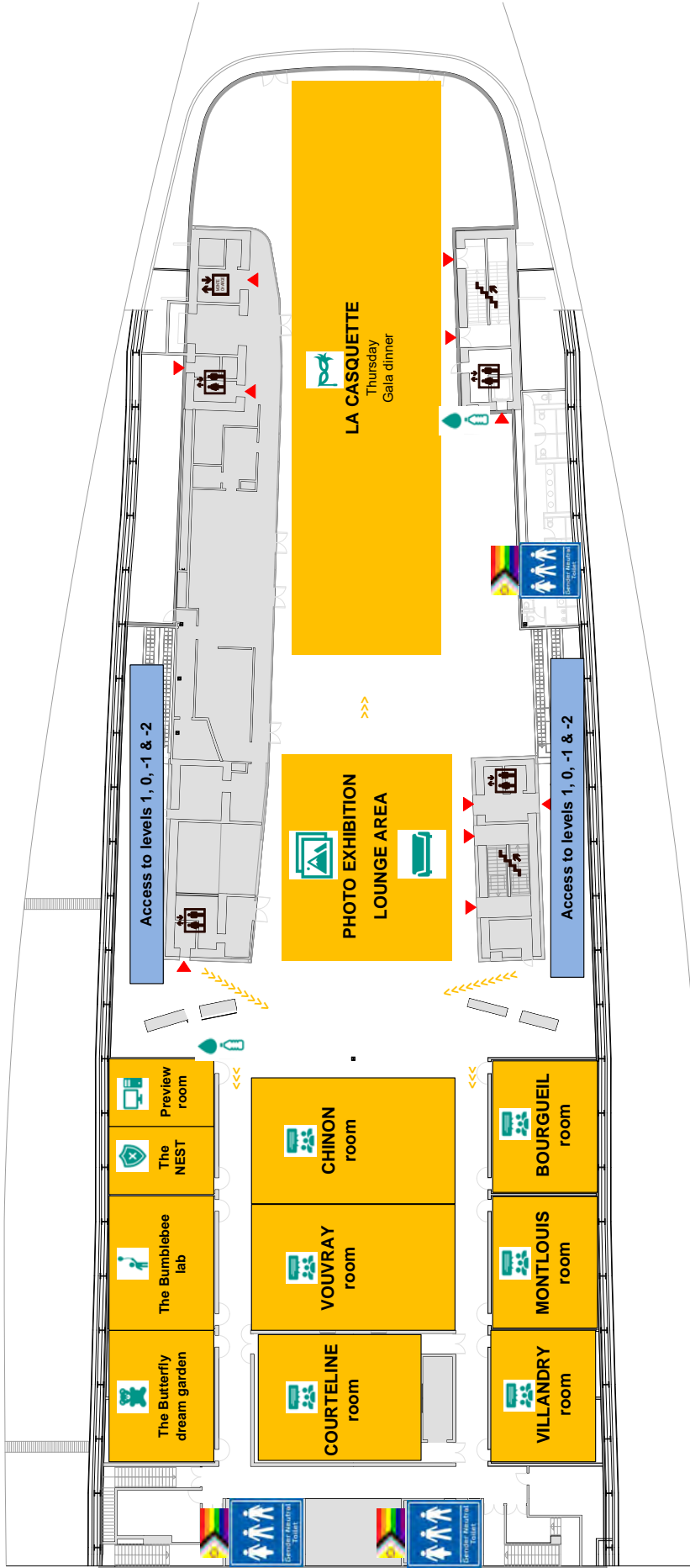



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STAND 300

→ Level +2



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# WE HAVE COME QUITE FAR.

Demand for Biologicals is growing fast. In 2035, we expect their global market value to exceed €30bn. And we are proud that 2026 is also the year when we and our partner companies make significant progress in meeting that demand. Not as a promise for a better future. But out there, on the fields of the farmers that need them.

VYNYTY<sup>®</sup>  
CITRUS

VYNYTY<sup>®</sup>  
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azIron<sup>®</sup>  
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Ambition<sup>®</sup>  
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SERENADE<sup>®</sup>  
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TRAP

FLIPPER

b-360

ibisio<sup>®</sup>

susteed<sup>®</sup>

yoalo<sup>®</sup>



# BUT NOT YET FAR ENOUGH.

Not until we are finished building a unified portfolio of solutions that cover a wide range of use cases at every step of the season – and that empower farmers to build integrated solutions that help them produce more with less impact. To achieve this, we will continue to bring together the ingenuity of our partners with our commercial and development engine.

ARE YOU INTERESTED  
IN COLLABORATING?  
LET'S TALK!