

**Monday 12th May 2025**

<b>12:30</b>	<b>Accueil</b>	
<b>13:00</b>	<b>Conference opening</b>	
<b>13:15</b>	<b>Keynote speaker: Silvia De Monte</b>	Single-cell phenotypes structure the social life of the amoeba <i>Dictyostelium discoideum</i>
<b>14:15</b>	<b>"Sex and CI" session (1/2)</b>	
14:15	Jean PECCOUD	A virus feminizes carriers in a pill bug
14:35	Théo UlvÉ	Coexistence of three sex determinants in a population of the pill bug <i>Armadillidium arcangelii</i>
14:55	Nicolas RODE	Male host genetic background strongly impacts <i>Wolbachia</i> -induced cytoplasmic incompatibility in an invasive pest
<b>15:15</b>	<b>BREAK</b>	
<b>16:00</b>	<b>"Sex and CI" session (2/2)</b>	
16:00	Julien AMOROS	Evolution of cytoplasmic incompatibility genes among maternally inherited symbionts: <i>Wolbachia</i> do not walk alone
16:20	Richard CORDAUX	Sex ratio distorters and the evolution of sex determination in the isopod <i>Armadillidium vulgare</i>
16:40	Alice NAMIAS	Perte de fonction répétée des protéines de type sexuel chez les champignons <i>Microbotryum</i>
<b>17:00</b>	<b>end of the 1st day</b>	

**Tuesday 13th May 2025**

<b>09:00</b>	<b>"Genome evolution" Session</b>	
09:20	Maxime MAHOUT	<i>Wolbachia</i> metapangenomics of individual <i>Culex</i> mosquitoes reveal shared phage rearrangements across large geographic distances
09:40	Thibault JOSSE	Discovery of endogenous viral elements in <i>Campopleginae</i> wasps suggest widespread nudivirus domestication
10:00	Jesus MENDEZ LEYVA	Distinct host-endosymbiont co-evolutionary trajectories in cereal weevils
10:20	Jonathan FILÉE	Genome evolution and between-host transmission of <i>Spiroplasma</i> endosymbiont in wild communities of Morpho butterflies
<b>10:45</b>	<b>BREAK</b>	
<b>11:15</b>	<b>"Extended phenotype" Session</b>	
11:15	Antoine GUIGUET	Rôle du venin dans l'induction des galles de Cynipidés : une approche omique comparative
11:35	Justine BOUTRY	First evidence for the evolution of host manipulation by tumors during the long-term vertical transmission of tumor cells in <i>Hydra oligactis</i>
<b>11:55</b>	<b>Presentation of SYMBIOTRON</b>	
<b>12:15</b>	<b>LUNCH offered by REID</b>	
<b>13:15</b>	<b>POSTER Session</b>	

<b>14:15</b>	<b>"One health" session (1/2)</b>	
14:15	Axelle GENTIL	Spatiotemporal dynamics of breeding site composition: which impact on the asian tiger mosquito biology and behaviour ?
14:35	Raphaël JORGE	Functional analyses of interactions between bedbugs and their symbionts <i>Wolbachia</i> and <i>BEV-like</i>
14:55	Pierre ANTONELLI	Microbiota influence on mosquito larvae mediate glyphosate toxicity
15:15	Louise CHEYNEL	Effet de la pollution lumineuse sur l'immunité d'un vertébré nocturne, le crapaud commun.
<b>15:35</b>	<b>BREAK</b>	
<b>16:05</b>	<b>"One health" session (2/2)</b>	
16:05	Claire LOISEAU	Effects of microplastics on mosquito development and avian malaria transmission
16:25	Valentin CHAUVIN	Adaptive Phenotypic Plasticity of <i>Plasmodium</i> in Response to Environmental Cues
16:45	Mélody LEBRUN	Impact des vagues de chaleur sur la Maladie de l'Anneau Brun induite par <i>Vibrio tapetis</i> chez la palourde <i>Ruditapes philippinarum</i>
17:05	Justine BOUTRY	Heatwave on 'Off-Host' Parasite Stages: Reduced Infection Risks and Costs in <i>Pasteuria ramosa</i> -Daphnia magna system
<b>19:00</b>	<b>"Conférence Grand public" (Lyon 7<sup>ème</sup>)</b> Fabrice Favre	
19:00	"Je suis un écosystème dans l'écosystème : la santé unique à tous les étages"	
<b>20:00</b>	<b>Lets meet at "La Commune"</b>	
20:00	3 rue Pré-Gaudry Lyon 7 <sup>ème</sup> <a href="https://lacomune.co/">https://lacomune.co/</a>	

<b>Wednesday 14th May 2025</b>		
<b>09:00</b>	<b>Keynote speaker:</b> Jens Rolff	Why did complete metamorphosis of insects evolve?
<b>10:00</b>	<b>"Microbiome" session</b>	
10:00	Joël MEUNIER	Microbiome turnover during offspring development varies with maternal care, but not moult, in a hemimetabolous insect
10:20	Fanni BORVETŌ	Impact of the Varroa Mite on the Microbiota of <i>Apis mellifera</i> and <i>Bombus terrestris</i>
<b>10:40</b>	<b>BREAK</b>	
<b>11:10</b>	<b>"Coévolution" session</b>	
11:10	Jean-Michel DREZEN	Evolution of bracoviruses, insights from the genome of <i>Toxoneuron nigriceps</i> a parasitoid wasp from Cardiochilinae
11:30	Églantine MATHIEU-BÉGNÉ	If the door is locked, take another one: Evolution of alternative entrance points for a parasite
12:10	Giacomo ZILIO	Bridging multiple infections across scales: from co-circulation to co-infection
<b>12:30</b>	<b>End of REID &amp; conclusion</b>	
<b>12:40</b>	<b>LUNCH offered by REID</b>	

<b>13:40</b>	<b>"Immuno-ecology" session</b>	
13:40	Alexandre GOERLINGER	Inefficiency of immune priming via the oral route and prevalence of injuries in <i>Tenebrio molitor</i> reinforce the hypothesis of a wound-driven evolution in adult beetles
14:00	Louis PAILLER	Reproduction-immunity trade-off in females of the European earwig
14:20	Simon DE EVER	Immune cost of maternal care towards eggs and juveniles in the European earwig
14:40	Vincent DOUBLET	Drivers of sex differences in insect immunity
<b>15:00</b>	<b>BREAK</b>	
<b>15:30</b>	<b>"Effectors of immunity" session</b>	
15:30	Auréline LALOUETTE	Investigating the IMD pathway in the bedbug <i>Cimex lectularius</i> and its function in the control of infections and mutualistic symbioses
15:50	Céline ZATYLNY-GAUDIN	Identification of new antimicrobial peptides in <i>Armadillidium vulgare</i> using PepTraq
16:10	Mélanie BRETON	Immune regulation of the bacterial microbiota of the tiger mosquito in response to interference with de novo production of aromatic amino acids
16:30	Sarah DAMETTO	Deciphering the molecular dialogue between the trematode parasite <i>Schistosoma mansoni</i> and its intermediate host snail <i>Biomphalaria glabrata</i>
<b>16:50</b>	<b>End of IMMUNINV &amp; conclusion</b>	
<b>17:00</b>	<b>Closure of the conference</b>	

### POSTER session - Tuesday 13th May 2025 13:15-14:15

<b>1</b>	Amandine AVILES	Impacts of Microplastics on Mosquito Life History Traits and midgut microbiota
<b>2</b>	Christine BRAQUART-VARNIER	Chronic exposure of Cadmium leads to deleterious effects on <i>Armadillidium vulgare</i> immune cell's mitochondria
<b>3</b>	Alice BRUNNER	Distinct Dynamics of <i>Wolbachia</i> and its pWCP Plasmid During <i>Culex</i> Mosquito Development
<b>4</b>	Camille-Sophie COZZAROLO	Size- and sex-biased gene expression in the acanthocephalan parasite <i>Neoechinorhynchus agilis</i>
<b>5</b>	Yann DUSSEURT	Dumpster diving into sequencing data to uncover unknown microorganisms involved in symbiotic relationships in marine species
<b>6</b>	Bernard DUVIC	Transcriptional response against biocontrol agents in the agricultural pest <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae)
<b>7</b>	Noor FATTAR	Multi-scale evolutionary convergence of nutritional symbionts in ticks
<b>8</b>	Pierre GREVE	Identification and expression of potential feminizing factors in the three <i>Wolbachia</i> strains infecting <i>Armadillidium vulgare</i> .
<b>9</b>	Henri Séraphin ESSOMBA	Diversité et dendrologie des cacaoyers d'une agroforêt en zone de forêt dense et humide de l'Est-Cameroun
<b>10</b>	Jordy LARGES	Variation in the duration of the immune protection after priming stimulation among populations of <i>Tenebrio molitor</i>
<b>11</b>	Marie PANZA	Invasion-driven changes in <i>Drosophila</i> and their parasitoid communities along a latitudinal gradient in the Rhône valley
<b>12</b>	Romain PIGEAULT	Within-host tissular heterogeneity is associated with phenotypic but not genomic diversity in <i>Wolbachia</i> endosymbionts
<b>13</b>	Philippe REMIGI	Plant-mediated selection of nitrogen-fixing symbiotic bacteria
<b>14</b>	Diego SANTOS GARCIA	Symbiotic communities of <i>Planococcus ficus</i> (vine mealybug)
<b>15</b>	Charlotte TANNEAU	Symbiotic control as an alternative of insecticides used to control bedbugs ( <i>Cimex lectularius</i> ) based on a One Health approach