

## ESEB-STN 2018 workshop

### « Experimental approaches to test for coevolution »

#### Sunday April 22<sup>th</sup> - Arrival and welcome

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**3 – 5.30 pm:** Arrival and registration of participants at the Château de Button

**5.30 – 6.15 pm :** Welcome drink at the Château de Button

**6.15 pm:** Welcome talk and plenary session

**Keynote speaker : Dieter Ebert (Univ. Basel, Switzerland)**

*Does host-parasite coevolution generate genetic diversity?*

**8pm:** Opening dinner

#### Monday April 23<sup>th</sup> – Day 1: Experimental evolution to test for coevolution

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**Morning Session 1 – Presentations by invited speakers and organizers (30 min), selected oral presentations\* (15 min)**

**Kayla King (Univ. Oxford, UK)**

*Killers and protectors: experimental coevolution across the parasite-mutualist continuum*

**Lutz Becks (Max Planck Institute, Germany)**

*The molecular evolution of eco-evolutionary dynamics in a coevolving host-virus system*

**Stineke Van Houte (Univ. Exeter, UK)**

*Bacterial CRISPR-Cas and phages as models for coevolution.*

+ Selected oral presentations (15 min)

**Afternoon - Session 2 : Experimental evolution in practice (Kayla King, Stineke Van Houte and Lutz Beck)**

**5.30-6.30 pm :** Chalkboard discussion pitch session

**6.30-7.30pm:** Introductory poster session\*

**7.30pm:** Dinner

#### Tuesday April 24<sup>th</sup> – Day 2- Population and comparative genomics to test for coevolution

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**Morning - Session 3: Presentations by invited speakers and organizers (30 min), selected oral presentations\* (15 min)**

**Anna-Liisa Laine (Univ. Helsinki, Finland)**

*Testing coevolutionary theory in a large natural pathogen metapopulation*

**Daniel Croll (Univ. Neuchâtel, Switzerland)**

*How pathogens rapidly surmount plant resistance in agricultural ecosystems*

**Alex Wilson (Univ. Of Miami, US)**

*Genomic features of coevolution in insect nutritional endosymbiosis*

**Michael Habig (Max Planck Institute, Germany)**

*Are the accessory chromosomes of *Zygomycetes* selfish genetic elements?*

**Amandine Cornille (Univ. Of Paris South, France)**

*Investigating the ecological genomics of local adaptation in pest-plant interactions*

**Ricardo Rodriguez de la Vega (Univ. Of Paris South, France)**

*Comparative coevolutionary genomics*

+ Selected oral presentations (15 min)

**Afternoon – Session 4: Hands-on exercise and discussion**

Peter Tiffin & Daniel Croll: *Genomic approaches to identify genes involved in coevolution*

Alex Wilson: *Moving beyond sequence data*

**5-6pm: Chalkboard discussion pitch session**

**7pm: Gala Dinner**

#### Wednesday April 25<sup>th</sup>

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Breakfast followed by departure (FYI, it takes approximately 1.5-2h minimum to reach Charles-De-Gaulle International Airport from Gif-sur-Yvette RER train station, and a bit less to reach Paris city center. So be sure that you do not take a too early train or flight in the morning if you don't want to miss your flight/train!).

See the website Registration tab: the applicant must indicate in his/her motivation letter that he/she wants to give an oral presentation and provides an abstract (200 words max). The organizing committee will then select among all the oral applications/ More infos at

<https://workshop.inra.fr/ecol-genome-coevol/>