



International Workshop

# Evolution of Biological Traits

5 - 6 October 2017

Center for Advanced Studies, Seestraße 13, 80802 München

## Program

### THURSDAY, 5 OCTOBER 2017

9:30-9:45 **Welcome Address** (Lena Bouman and Martin Parniske)

Chair: Martin Parniske

9:45-10:25 Leif Andersson (Uppsala University)  
Detecting Signatures of Selection in Natural Populations Using Whole  
Genome Sequencing

10:25-11:05 Alejandro Reyes (Dana-Farber Cancer Institute, Boston)  
Analysis of Differential Exon Usage Across Tissues, Individuals and Species

11:05-11:35 **Coffee Break**

Chair: Wolfgang Enard

11:35-12:15 Itai Yanai (NYU)  
Development and Evolution through the Lens of Global Gene Regulation

12:15-12:55 Asher Cutter (University of Toronto)

12:55-14:00 **Lunch Break**

Chair: Nicolas Gompel

14:00-14:40 Henrik Kaessmann (Universität Heidelberg)  
The Evolution of Developmental Gene Expression Programs in Mammals

14:40-15:20 Felicity Jones (Friedrich Miescher Laboratory, Tübingen)  
Genomic Basis of Adaptive Divergence in Sticklebacks

15:20-15:50 **Coffee Break**

Chair: Alexander Kohlmaier

15:50-16:30 Heidi Fisher (University of Maryland)  
The Genetic Basis and Fitness Consequences of Adaptive Sperm Morphology  
in *Peromyscus* Mice

16:30-17:10 Artyom Kopp (UC Davis)  
Origin and Diversification of *Drosophila* Sex Combs



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BIOLOGY OF GENOMES



17:10-17:40 **Reception**

Chair: N.N.

17:40-18:20 Susana Coelho (Station Biologique Roscoff)  
Origin and Evolution of Developmental Patterns During the Sexual Life Cycle of the Brown Algae

18:20-19:00 Detlev Arendt (EMBL Heidelberg)

19:30 **Conference Dinner for Invited Speakers**

## FRIDAY, 6 OCTOBER 2017

Chair: Klaus Mayer

9:30-10:10 Vincent Colot (ENS Paris)  
Transposable Elements and Heritable Phenotypic Variation: Lessons from Arabidopsis

10:10-10:50 Rod Wing (University of Arizona)  
Harnessing 15-MY of *Oryza* Genome Evolution to Help Solve the 10-billion People Question

10:50-11:20 **Coffee Break**

Chair: Susanne Renner

11:20-12:00 Michael Lenhard (Universität Potsdam)  
The Molecular Basis of Selfing-Syndrome Evolution in the Genus *Capsella*

12:00-12:40 Andrew Clark (Cornell University, New York)  
Using Whole-Genome Assemblies to Understand the Evolution of Dioecy in the Date Palm Tree

12:40-13:40 **Lunch Break**

Chair: Claus Schwechheimer

13:40-14:20 Alex Harkess (Miami University, Oxford, Ohio)  
Sex Determination and the Garden Asparagus X and Y Chromosomes

14:20-15:00 Sanwen Huang (Agriculture Genomics Institute, Shenzhen)  
Genomic Histories of the Domestication of Cucumber and Tomato

15:00-15:15 **Closing Remarks**

