



The Evolution of Incompatibilities

Workshop in the context of the CAS Research Focus “**Speciation**”

16 and 17 September 2024

Center for Advanced Studies, LMU München

Monday, 16 September

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| 12.00 – 13.00 | <i>Snack</i> |
| 13.00 – 13.15 | Welcome |
| 13.15 – 14.00 | Nitin Phadnis (University of Utah)
The Evolution of Incompatibilities |
| 14.00 – 14.45 | Axel Imhof (LMU)
Incompatible Chromatin |
| 14.45 – 15.15 | 2 x Flash Talks:
Jackson Ridges (University of Utah)
Molecular Mechanisms of Hybrid Incompatibility in <i>Drosophila</i>
Hua Jie (LMU)
tba |
| 15.15 – 16.00 | <i>Wrap-up Coffee</i> |
| 16.00 – 16.45 | Janet Kelso (MPI for Evolutionary Anthropology)
Evidence for Incompatibilities in the Patterns of Gene Flow between Hominin Groups? |
| 16.45 – 17.30 | Wolfgang Enard (LMU)
The Jungle in a Dish: Evolution of Molecular Circuitries in Primates |
| 17.30 – 18.00 | 2x Flash Talks:
Antonia Keßler (LMU)
Induced Pluripotent Stem Cells for Cross-Species Comparisons
Felix Pförtner (LMU)
Prime-Seq: Efficient RNA-Seq for Cross-Species Comparisons |
| 18.30 | <i>Workshop Dinner</i> |

Tuesday, 17 September

- 9.30 – 10.15 **Hilde Schneemann** (ISTA)
From Heterosis to Reproductive Isolation: A Fitness Landscape
Perspective on Genetic Interactions in Hybrids
- 10.15 – 11.00 **Jochen Wolf** (LMU)
A Genomic Quest for Barrier Loci?
- 11.00 – 11.30 *Wrap-up Coffee*
- 11.30 – 12.15 **Richard Merrill** (LMU)
A Butterfly World View of Extrinsic Incompatibilities
- 12.15 – 12.45 2x Flash Talks:
Andrea Pozzi (LMU)
Mitonuclear Incompatibilities as a Driver of Speciation
Chiyin Gwee (LMU)
Barrier to Gene Flow Across Time
- 12.45 – 13.45 *Lunch*
- 13.45 – 14.30 **Rhonda Snook** (Stockholm)
A Postmating Prezygotic Reproductive Isolation Barrier Shares the
Same Mechanism that Generates within-Population Incompatibility
- 14.30 – 15.15 **John Parsch** (LMU)
Regulation of Sex Chromosome Gene Expression in *Drosophila*
- 15.15 – 15.30 Flash Talk:
Amanda Glaser-Schmitt (LMU)
Gene Expression Divergence During Population Differentiation in
Drosophila

Venue

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