



Lausanne *Drosophila* Morning Meetings 2024

Thursday Aug. 29th and Friday 30th, 2024

Room SV1717, Ecole Polytechnique Fédérale de Lausanne

Thursday August 29th 2024

- 09:00 [Jean-Yves Roignant](#) Unil, Lausanne
Link between RNA modifications, carbohydrate metabolism and *Drosophila* behavior
- 09:15 [Nick Brown](#) University of Cambridge
Integrated cadherin/integrin cell-cell adhesion
- 09:30 [Sofia Araújo](#) Dept. Genetics, Microbiology and Statistics and IBUB, Barcelona
Centrosome modulation of axonal guidance
- 09:45 [Nic Tapon](#) Crick Institute, London
Developmental control of tissue size
- 10:00 [Osamu Shimmi](#) Institute of Biotechnology, Helsinki
Visualization of Cell-Cell Communication: *Drosophila* Wing as a Model for 3D Morphogenesis

10:15 – 10:45: Coffee break

- 10:45 [Maria Cristina Gambetta](#) UNIL, Lausanne
Long-range gene regulation in fly neurons
- 11:00 [Mirka Uhlirova](#): University of Köln
Understanding immune cell plasticity
- 11:15 [Marco Milan](#): IRB, Barcelona
Aneuploidy-induced cellular behaviours
- 11:30 [Bruno Lemaitre](#): EPFL, Lausanne
Layers of immunity: Deconstructing the *Drosophila* effector response

Friday August 30th 2024

- 09:00 [Virginie Courtier](#) CNRS, Paris
Evolution of *Drosophila* glue
- 09:15 [Frank Schnorrer](#) IBDM, Marseille
How do mitochondria coordinate with myofibrils to build a functional flight muscle?
- 09:30 [Richard Benton](#) Unil, Lausanne
Evolution of olfaction: receptors, circuits and behaviours
- 09:45 [Thomas Vaccari](#): Università degli Studi di Milano
Regulation of signaling by ER-resident enzymes
- 10:00 [Alex Gould](#): Crick Institute, London
Metabolic adaptations to neurogenesis under stress

10:15 – 10:45: Coffee break

- 10:45 [Lukas Neukomm](#): Unil, Lausanne
Metabolic control of neuronal communication
- 11:00 [Ilona Grunwald-Kadow](#): Universität Bonn
A body-brain axis between fatbody and brain regulates pathogen avoidance behavior
- 11:15 [Brian McCabe](#): EPFL, Lausanne
Unknown knowns of *Drosophila* motor neurons
- 11:30 [Ana Marija Jaksic](#): EPFL, Lausanne
Behavioral individuality of a fly is a consequence of experience, genetics and learning
- 11:45 [Giorgo Gilestro](#): Imperial College, London
Stress, not lack of sleep, is responsible for ROS increase

We thank the Global Health Institute (EPFL), the Brain Mind Institute (EPFL) and the Faculty of Life Sciences (SV) for their generous financial support for this meeting.