

# Dutch-Belgian Drosophila Meeting

KU Leuven Campus Gasthuisberg, Aula ON5, 15 September 2021

## Scientific committee

Patrick Callaerts (Laboratory of Behavioral and Developmental Genetics, KU Leuven)

Georg Halder (VIB-KU Leuven Center for Cancer Biology)

Albena Jordanova (VIB-UAntwerp Center for Molecular Neurology)

Roman Praschberger (VIB-KU Leuven Center for Brain & Disease Research)

Patrik Verstreken (VIB-KU Leuven Center for Brain & Disease Research)

09h00-09h25 **Welcome coffee (Foyer ON5)**  
09h25-09h30 **Welcome by Patrik Verstreken (Aula ON5)**

## **SESSION 1:**

CHAIRER BY GEORG HALDER

09h30-10h30 **Speaker 1** Keynote lecture. Alexander Borst, Department Circuits-Computation-Models, Max-Planck-Institute of Neurobiology, DE  
INTRODUCED BY PATRICK CALLEARTS

10h30-10h45 **Speaker 2** Marianna Decet from the lab of Patrik Verstreken, VIB-KU Leuven Center for Brain & Disease Research, BE  
*Endophilin-A's calcium switch: turning on synaptic autophagy.*

10h45-11h00 **Speaker 3** Erik Storkebaum, Department of Molecular Neurobiology, Donders Institute for Brain, Cognition and Behaviour and Faculty of Science, Radboud University, Nijmegen, NL  
*tRNA sequestration triggers peripheral neuropathy*

11h00-11h20 Coffee (Foyer ON5)

## **SESSION 2:**

CHAIRER BY ROMAN PRASCHBERGER

11h20-11h35 **Speaker 4** Joana Dopp from the lab of Sha Liu, VIB-KU Leuven Center for Brain & Disease Research, BE  
*A sleeping fly at single cell resolution - Do cells sleep differently?*

11h35-11h50 **Speaker 5** Stan van Wijk from the lab of Bianca Brundel, Department of Physiology, Amsterdam UMC, Vrije Universiteit, Amsterdam Cardiovascular Sciences, Amsterdam, NL  
*Drosophila as a model system to study familial atrial fibrillation.*

11h50-12h05 **Speaker 6** Albena Jordanova, VIB-UAntwerp Center for Molecular Neurology, BE  
*Aminoacyl-tRNA synthetases and their role in neurodegeneration: let's go to the nucleus*

12h05-12h20 **Speaker 7** Jacques Bothma, Hubrecht Institute, NL  
*Imaging the central dogma in living embryos to uncover how cells decide their fate.*

12h20-12h35 **Speaker 8** Mattias Wynant from the lab of Patrick Callaerts, Laboratory of Behavioral and Developmental Genetics, KU Leuven, BE  
*Genes and gene networks regulating Drosophila insulin-producing cell development and function.*

12h35-14h00 Lunch (Foyer ON5) & Poster session (Foyer ON4)

### SESSION 3:

CHAIRER BY PATRICK CALLAERTS

14h00-14h15 **Speaker 9** Ody Sibon, Department of Biomedical Sciences of Cells and Systems, University Medical Center Groningen, University of Groningen, NL  
*Transfer of coenzyme A precursors between generations and from microbiome to the host.*

14h15-14h30 **Speaker 10** Gabriele Edwards Faret from the lab of Dietmar Schmucker, VIB-KU Leuven Center for Brain & Disease Research, BE  
*Dissecting a conserved signaling network regulating developmental axon branching and adult axon maintenance.*

14h30-14h45 **Speaker 11** Mireia Coll-Tané from the lab of Annette Schenck, Department of Human Genetics, Donders Institute for Brain, Cognition and Behaviour, Radboud University Medical Center, Nijmegen, NL  
*Understanding and counteracting sleep defects in neurodevelopmental disorders.*

14h45-15h00 **Speaker 12** Thomas Moens from the lab of Ludo Van Den Bosch, VIB-KU Leuven Center for Brain & Disease Research, BE  
*Correlation of FUS phase separation with toxicity in Drosophila models of ALS/FTD.*

15h00-15h20 Coffee (Foyer ON5)

### SESSION 4:

CHAIRER BY ALBENA JORDANOVA

15h20-15h35 **Speaker 13** Philip Kohlmeier from the lab of Jean-Christophe Billeter, Groningen Institute for Evolutionary Life Sciences, University of Groningen, NL  
*Mating increases Drosophila melanogaster females' choosiness by reducing olfactory sensitivity to a male pheromone.*

15h35-15h50 **Speaker 14** Jasper Janssens from the lab of Stein Aerts, VIB-KU Leuven Center for Brain & Disease Research, BE  
*Single-cell analyses in Drosophila: the fly cell atlas and the fly brain*

15h50-16h05 **Speaker 15** Weronika Kowalczyk from the lab of Georg Halder, VIB-KU Leuven Center for Cancer Biology, BE

*Hippo signalling instructs ectopic but not normal organ growth.*

16h05-16h20 **Speaker 16** Aniek Janssen, Center for Molecular Medicine, University Medical Center Utrecht, NL

*Chromatin dynamics in DNA damage repair.*

16h20-16h40 Coffee (Foyer ON5)

### **KEYNOTE:**

CHAIRER BY PATRIK VERSTREKEN

16h40-17h40 **Speaker 17** Keynote lecture Liqun Luo, Howard Hughes Medical Institute, Department of Biology, Stanford University, US

*Assembly of the Fly Olfactory Circuit*

18h00-19h00 **Reception (Foyer ON5)**

19h30- **Faculty dinner**