Freiburg im Breisgau 26. - 29.09.2013

http://filab.biologie.uni-freiburg.de/meeting2013/meeting.html

MEETING AGENDA

"The Nervous *System* of *Drosophila melanogaster* – from Development to Function"

Organisation: Prof. Dr. Karl-Friedrich Fischbach und Prof. Dr. Dierk F. Reiff



Tagungsort: Freiburg, Waldhof e.V. – Akademie für Weiterbildung http://www.waldhof-freiburg.de/
Im Waldhof 16
79117 Freiburg
Tel.: +49-(0)761-67134

Thursday, September 26

2:00 pm Check-in and mounting of posters

4:30 pm Reception 6:00 pm Dinner

7:30 pm Opening Session

Chair: Dierk Reiff

7:30 pm Welcome by the Organizers & the Waldhof staff

7:40 pm Chu-Fang Wu, University of Iowa

A few words about J. Neurogenetics

7:45 pm Karl-Friedrich Fischbach, University of Freiburg

 ${\it Drosophila} \ {\it development} \ {\it and} \ {\it neurobiology-classical} \ {\it questions} \ {\it and} \ {\it new} \ {\it perspectives}.$

7:55 pm Plenary Talk: Martin Heisenberg, Rudolf-Virchow-Zentrum (Würzburg)

The Beauty of the Network in the Brain and the Origin of the Mind in Behavior

9:00 pm Open discussion, refreshments and get together.



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7:30 am Breakfast (service ends at 8:45 am)

9:00 am Session 1: Evolution and developmental mechanisms

Chair: Erich Buchner

9:00 am Nicholas Strausfeld, University of Arizona

How old is the insect brain and how similar is it to ours?

9:20 am Gerhard Technau, University of Mainz

Generation of cell diversity and segmental pattern in the CNS

9:40 am Heinrich Reichert, Biozentrum Basel

Drosophila Neural Stem Cells in Brain Development and Brain Tumors

10:00 am Angela GIANGRANDE IGBMC Strasbourg

Of glia and blood, from fly to mouse

10:20 am Break

10:40 am Giorgos Pyrowolakis, BIOSS, University Freiburg

Regulatory feedback loops in morphogen signaling

11:00 am Gert de Couet, University of Hawaii

Prenylated rab acceptor proteins in Drosophila

11:20 am Robin Hiesinger, Southwestern Univ. Dallas

Membrane Trafficking in Neuronal Development and Maintenance

11:40 am Frank Schnorrer, MPI for Biochemistry, Martinsried

Making of flight muscle - a balance of forces

12:00 pm Lunch (service ends at 1pm)

1:40 pm Session 2: Cell recognition and circuit development

Chair: Claude Desplan

1:40 am Renate Renkawitz-Pohl, University Marburg

Working title: FuRMAS is a synapse-like structure functioning in muscle fusion

2:00 am Tobias Huber, University Freiburg

Neph molecules from the C. elegans synapse to human Disease

2:20 pm Ricardo Ramos, Universidade de São Paulo

IrreC-Roughest and more

2:40 pm **Sujin Bao**, Saint James School of Medicine (New York)

Two counteracting mechanisms in the determination of unique cellular patterns in the Drosophila eye

3:00 pm Break

3:20 pm Steve Britt, University of Colorado

IRM proteins regulate R8 photoreceptor cell spectral subtype.

3:40 pm Thomas Hummel, Faculty of Life Sciences, University of Vienna

An instructive role of axon growth in synaptic layer selection

4:00 pm **Dietmar Schmucker**, Vesalius Research Center (Leuven)

Surface receptor specificity in neuronal wiring.

4:20 pm Iris Salecker, MRC National Institute for Medical Research, London

Neuron-glial interactions in Drosophila visual circuit assembly.

4:40 pm Kei Ito, University of Tokyo

Lineage, clan, and the community of neural network

5:00 pm Break & Poster session (drinks and snacks)

7:00 pm Dinner

8:00 pm Plenary Talk: Ian Meinertzhagen, Dalhousie University (Halifax)

But that's just anatomy: The search for synapses, circuits and wiring diagrams.

Chair: Kei Ito

9:00 pm Open discussion, refreshments and get together.

Saturday, September 28 7:30 am Breakakas (service ends at 8:45 am) 9:00 am Session 3: From neural circuit assembly to function Chair: Michael Dickinson 9:00 am Basem Hassan, VIS Center for the Biology of Disease (University of Leuven) Wiring the fly broin Mathias Wernet, Department of Neurobiology, Stanford University, Stanford, CA 94305 Genetic Dissection of Polarization Vision Circuitry in Drosophila 9:40 am Ilona Grunwald-Kadow, MPI for Neurobiology, München Towards a neural basis of context-dependent innote olfactory preference and aversion 10:00 am Claude Desplan, NYU Dept. Biology Working title: From pattern formation to color vision 10:20 am group photo of all participants 10:30 am Break 10:30 am Break 11:30 am Betlina Schnell, University of Washington Neurons involved in visual course control in tethered flying Drosophila. 11:30 am Betlina Schnell, University of Freiburg Desams play on important role in neural circuit assembly and function. 12:10 pm Unich (service ends at 1pm) 1:40 pm Session 4: From neural circuits to behavior Chair: Chi Hon Lee 1:40 pm Johannes Seelig, JFRC Sensorimotor maps in the Drosophila central complex Hiromu Tanimoto, MPI for Neurobiology Circuits for memory formation The neural circuit of the circadian clock - from light input to behavioral output Matthieu Louis, CRG, Barcelona Sensorimotor computations underlying larval chemotaxis 1:40 pm Renak					
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9:00 pm Open Discussion, refreshments and get together.	0.00				
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Sunday, September 29

7:30 am Breakfast (service ends at 8:45 am)

9:00 am **Stephan Sigrist**, FU Berlin

Synapse Diversity in the Fly CNS

9:20 am Panel discussion: What are the perspectives of *Drosophila* neurobiology and its impact on neurosciences?

Moderators: Chu-Fang Wu (J. Neurogenetics), Roland Strauss, Chi-Hon Lee, Martin Heisenberg, Dierk Reiff

11:00 am Good bye gathering

12:00 am Lunch

Departure