

# *Neurobiologisches Seminar: Aktuelle Forschung*

SOMMERSEMESTER 2017

Donnerstag 13:00 – 15:00 Uhr  
Seminarraum Neurobiologie  
T. Hummel, A. Schmid, H. Tichy

- 09.03.17**     **Elisabeth ADAM**  
*Synaptic plasticity in the Drosophila brain*
- 16.03.17**     **Martina WANIS**  
*Seeing the whole picture: Chemical clearing in confocal and light sheet imaging to study Drosophila brain development*
- 23.03.17**     **Gaurav GOYAL**  
*Sphingolipid dependent protein sorting regulates neuronal morphology*
- 30.03.17**     **Michael SACKEL**  
*Characterizing trafficking of dopamine transporter mutants in dopaminergic neurons*
- Lorin TIMAEUS**  
*Complexity and Order: A visual pathway into the fly brain*
- 06.04.17**     **Sebastian HOGER**  
*The One (!) and Only (?): Identification of olfactory interneurons which mediate bilateral sensory map formation*
- Stefan TRKULJA**  
*(Lit) Activation of Latent Courtship Circuitry in the Brain of Drosophila Females Induces Male-like Behaviors*
- 27.04.17**     **Rashmit KAUR**  
*Split-Brain in a fly: Understanding the organization and development of bilateral brain circuits in Drosophila*
- Margarita HARTLIEB**  
*(Lit) Hydrodynamic detection and localization of artificial flatfish breathing currents by harbour seals (Phoca vitulina)*
- Yalda KHOSHBAKHT**  
*(Lit) Coincident postsynaptic activity gates presynaptic dopamine release to induce plasticity in Drosophila mushroom bodies*
- 04.05.17**     **Ameya KASTURE**  
*Pharmacochaperoning of dopamine transporter mutant: time for flies to sleep nicely*
- entfällt
- Klara FÜREDER**  
*(Lit) Disentangling the visual cues used by a jumping spider to locate its microhabitat*

- 11.05.17**      **Mirjam KNOLL**  
*Synaptic plasticity in the Drosophila olfactory system*
- Amadeo MATTIA**  
*(Lit) The TRP Channels Pkd2, NompC, and Trpm Act in Cold-Sensing Neurons to Mediate Unique Aversive Behaviors to Noxious Cold in Drosophila*
- Christina GRAF**  
*(Lit) Visual odometry in the wolf spider Lycosa tarantula (Araneae: Lycosidae)*
- 18.05.17**      **Beate BERGKIRCHNER**  
*Analysis of synaptic connectivity in a Drosophila model for neurodegeneration*
- Laurin TOMASEK**  
*(Lit) Role of the different eyes in the visual odometry in the wolf spider Lycosa tarantula (Araneae, Lycosidae)*
- Berry MALETZKY**  
*(Lit) Spectral filtering enables trichromatic vision in colorful jumping spiders*
- 01.06.17**      **Dagmar PRETSCH**  
*Targeting abnormal metalhomeostasis to combat neurodegenerative disorders by natural products*
- Charlotte SCHÖNHERR**  
*(Lit) Juvenile Hormone Suppresses Resistance to Infection in Mated Female Drosophila Melanogaster*
- Susanna FRITSCHER**  
*(Lit) Argentine ants use adaptable transportation networks to track changes in resource quality*
- 08.06.17**      **Dominik JAVORSKI**  
*Injury-induced neural circuit remodeling in the Drosophila brain*
- Birgit PÖHN**  
*Life with sun and moon: How does the marine bristleworm Platynereis dumerilii set its circadian and circalunar clocks?*
- Maria KRASSNITZER**  
*Effect of prenatal amphetamine exposure on development of diabetes in offspring*
- 22.06.17**      **Bettina FEHR**  
*Development of the eyes of the spider Cupiennius salei*
- Johannes BEIERSDORF**  
*Babies on drugs: The effect of cannabinoids on brain development*
- Mahin AZARIAN**  
*(Lit) The unusual eyes of Xenos peckii (Strepsiptera: Xenidae) have green- and UV-sensitive photoreceptors*
- 29.06.17**      **Rupinder KAUR**  
*Infection dynamics of Wolbachia and RNA viruses in Drosophila*
- Martin STREINZER**  
*Vision and visually guided behaviour in Cupiennius salei*
- Saghar VAGHAR**  
*(Lit) The Circadian Clock Is a Key Driver of Steroid Hormone Production in Drosophila*