



Ribbon Synapses Symposium



Day 1, Monday, September 11th, 2017

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| 08:30 – 09:00 | Registration |
| 09:00 – 09:10 | Opening remarks: Chad Grabner |
| 09:10 – 10:45 | <i>Plenary lectures I</i> |
| 09:10 – 09:55 | Jeffrey Diamond „Signal transfer in the rod pathway of the mouse retina” |
| 10:00 – 10:45 | Ruth Anne Eatock „Two modes of synaptic transmission in mammalian vestibular hair cells ” |
| 10:45 – 11:15 | <i>Posters and coffee break</i> |
| 11:20 – 12:55 | <i>Session 1: Structure-Function of Hair Cell Ribbon Synapses (Chair: Carolin Wichmann)</i> |
| 11:20 – 11:55 | Michael Schnee “The synaptic ribbon facilitates prolonged release at the hair cell afferent fiber synapse” |
| 11:55 – 12:20 | Katie Kindt “Gap junction networks facilitate presynaptic activity in a select subset of lateral-line hair cells” |
| 12:20 – 12:55 | Hernan Lopez-Schier “Ribbon synapses don't make sense except in the light of evolution” |
| 12:55 – 13:55 | <i>Lunch break</i> |
| 14:00 – 15:35 | <i>Session 2: Retinal Ribbon Release Machinery (Chair: Chad Grabner)</i> |
| 14:00 – 14:35 | Ruth Heidelberger “Syntaxin3 and the regulation of release” |
| 14:35 – 14:55 | Nadine Ehmman “Complexin interacts with Bruchpilot to tether synaptic vesicles to the active zone cytomatrix” |
| 15:00 – 15:35 | Frank Schmitz “Some aspects on the molecular anatomy of synaptic ribbons and their role for synaptic signalling in the retina” |
| 15:35 – 16:05 | <i>Posters and coffee break</i> |
| 16:10 – 17:40 | <i>Session 3: Emerging Methods in Synaptic Neuroscience (Chair: Benjamin Cooper)</i> |
| 16:10 – 16:45 | Thirumalini Vaithianathan “Synaptic Vesicle Dynamics At Single Ribbon Active Zone” |
| 16:45 – 17:05 | Lavinia Sheets ““Noise-induced Synaptopathy” in Fish: Mechanical Overstimulation of Zebrafish Lateral-line Organ leads to Hair-Cell Synapse Loss“ |
| 17:05 – 17:40 | Martin Heine „Contribution of calcium channel mobility to synaptic transmission“ |
| 17:40 – 18:45 | <i>Poster session</i> |
| 18:45 | <i>BBQ at MPIem Cafeteria</i> |



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Day 2, Tuesday, September 12th, 2017

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| 09:00 – 10:30 | <i>Plenary lectures II</i> |
| 09:00 – 09:45 | Stephan Sigrist “Stable positioning of Unc13 isoforms to synchronize and diversify neurotransmission” |
| 09:45 – 10:30 | Jonathan Demb “Synaptic mechanisms for visual computation in the retina” |
| 10:30 – 11:00 | <i>Posters and coffee break</i> |
| 11:00 – 12:35 | <i>Session 4: Transmission at Hair Cell Ribbon Synapses (Chair: Christian Vogl)</i> |
| 11:00 – 11:35 | Cole Graydon “In Vivo Mobility and Turnover of Ribeye and Synaptic Vesicles at Zebrafish Ribbon Synapses” |
| 11:35 – 11:55 | Lina Jaime Tobon „Ca ²⁺ dependence of synaptic transmission of IHC in near physiological conditions“ |
| 12:00 – 12:35 | Henrique von Gersdorff „Hair cell ribbon synapses tuned to low-frequency sounds“ |
| 12:35 – 13:35 | <i>Lunch break</i> |
| 13:40 – 15:15 | <i>Session 5: Transmission at Retinal Ribbon Synapses (Chair: Joshua Singer)</i> |
| 13:40 – 14:15 | Alexandra Koschak “Role of Ca _v 1.4 L-type calcium in transmission at retinal ribbon synapses” |
| 14:15 – 14:35 | Norbert Babai „Exploring cone photoreceptor ribbon synaptic function using a mutant mouse model“ |
| 14:40 – 15:15 | Margaret Veruki “Extrasynaptic NMDA receptors on AII and A17 amacrine cells” |
| 15:15 – 16:15 | <i>Session 6: In Memoriam: Gary Matthews</i> |
| 15:15 – 16:15 | David Zenisek |
| 16:15 – 18:15 | <i>Posters and beverages</i> |
| 18:15 – 18:30 | <i>Best poster award / closing remarks (Ruth Heidelberger)</i> |