

## Preliminary Program

**Wednesday, October 17, 2018**

(at Französische Friedrichstadtkirche, Gendarmenmarkt 5, 10117 Berlin, Germany)

### Opening remarks

18:00	Introduction: <b>Miriam Goodman</b>
18:10	Welcome Lecture: <b>Robert Fettiplace, Kavli Prize Winner 2018</b>
19:10	Reception

**Thursday, October 18, 2018**

(at Max Delbrück Communications Center – MDC.C, Robert-Rössle-Straße 10, 13125 Berlin, Germany)

Axon 1

09:00	<b>David Corey</b> , Harvard University <i>The mammalian hair cell channel</i>
09:25	Lightning talk
09:30	<b>Jeffrey Holt</b> , Harvard University <i>The hair cell mechanotransduction channel</i>
09:55	Lightning talk
10:00	<b>Kristian Franze</b> , University of Cambridge <i>The role of mechanosensitive ion channels in vertebrate development</i>
10:25	Lightning talk
10:30	Coffee Break
11:00	<b>Slav Bagriantsev</b> , Yale University <i>Mechano-gated ion channels in somatosensory neurons of tactile specialist birds (tent)</i>
11:25	Lightning talk
11:30	<b>Laura Bianchi</b> , University of Miami <i>Glial regulators of ionic homeostasis control mechanosensation in C. elegans</i>
11:55	Lightning talk
12:00	<b>Jörg Grandl</b> , Duke University Medical Center <i>Transduction of Mechanical Stimuli by Piezo Ion Channels</i>
12:30	Lunch and Poster Session
14:00	<b>Miriam Goodman</b> , Stanford University <i>C.elegans sensory channels</i>
14:25	Lightning talk
14:30	<b>Martin Göpfert</b> , University of Göttingen <i>Mechanosensitive channels for gravity sensing and hearing in flies</i>
14:55	Lightning talk
15:00	<b>Reza Sharif Naeini</b> , McGill University <i>TACAN is an Ion Channel Involved in Noxious Mechanosensation</i>
15:25	Lightning talk
15:30	<b>Thomas Jentsch</b> , Leibniz Institute for Molecular Pharmacology
16:00	<b>Ulrich Müller</b> , Johns Hopkins Baltimore <i>New molecular players in hair cell mechanotransduction</i>
16:25	Lightning talk
16:30	<b>Elizabeth Haswell</b> , Washington University <i>Mechanosensitive Ion Channels in Green Organisms</i>
16:55	Lightning talk
17:00	Poster Session
19:00	Free evening

**Friday, October 19, 2018**

(at Max Delbrück Communications Center – MDC.C, Robert-Rössle-Straße 10, 13125 Berlin, Germany)

Axon 1

09:00	<b>Paul Heppenstall</b> , EMBL Monterotondo <i>Manipulating sensory transduction with genetic tools in mice</i>
09:25	Lightning talk
09:30	<b>Kate Poole</b> , University of New South Wales <i>Chondrocyte mechanotransduction</i>
09:55	Lightning talk
10:00	<b>Anthony Ricci</b> , Stanford University <i>The emerging role of the lipid bilayer in regulating hair cell mechanotransduction'</i>
10:25	Lightning talk
10:30	Coffee Break
11:00	<b>Eric Honore</b> , CNRS Nice <i>Piezos roles in regulating vascular tone</i>
11:25	Lightning talk
11:30	<b>Valeria Vásquez</b> , University of Tennessee <i>Fine-tuning ion channel gating with dietary fatty acids</i>
11:55	Lightning talk
12:25	Lunch and Poster Session
14:00	<b>Stefan Lechner</b> , University of Heidelberg <i>Sensory transduction regulation</i>
14:25	Lightning talk
14:30	<b>Gary Lewin</b> , MDC Berlin <i>Tethers in sensory transduction: man and mouse</i>
14:55	Lightning talk
15:00	<b>Steve Brohawn</b> , University of California, Berkeley
15:25	Lightning talk
15:30	Coffee Break
16:00	<b>Merritt Maduke</b> , Stanford University <i>Mechanosensitive channels in ultrasonic neuromodulation</i>
16:25	Lightning talk
16:30	<b>Ardem Patapoutian</b> , HHMI Scripps Research Institute <i>Piezo ion channel structure and function</i>
16:55	Lightning talk

**Saturday, October 20, 2018**

(at Max Delbrück Communications Center – MDC.C, Robert-Rössle-Straße 10, 13125 Berlin, Germany)

Axon 1

09:30	<b>Boris Martinac</b> , University of New South Wales <i>Bacterial mechanotransduction channels</i>
09:55	Lightning talk
10:00	<b>Carsten Grashoff</b> , MPI for Biochemistry <i>Piconewton-sensitive biosensors to investigate molecular forces in cells</i>
10:25	Lightning talk
10:30	Coffee Break
11:00	<b>Yuh Nung Jan</b> , University of California, San Francisco <i>Structure of drosophila mechanotransduction TRP channels</i>
11:25	Lightning talk
11:30	<b>Bailong Xiao</b> , School of Pharmaceutical Sciences, Tsinghua University <i>Structure and function of PIEZO proteins</i>
11:55	Lightning talk
12:00	Lunch and Poster Session
14:00	<b>Medha Pathak</b> , University of California, Irvine <i>Piezo1 activation gains traction</i>
14:25	Lightning talk
14:30	Closing remarks, Farewell
15:00	End of Conference