

**Membrane Biophysics 2019 Symposium
Saturday March 2, 2019
Baltimore, Maryland
1:00 PM – 5:30 PM**

**Convention Center Rooms: 314 & 315
Subgroup Chair: Andrew Plested, Leibniz Institute for Molecular Pharmacology**

1:00 PM to 1:05 PM

Opening Remarks

1:05 PM to 1:35 PM

Jeffrey Diamond, NIH – NINDS, Bethesda, MD, USA

Compartmentalized dendritic signaling in the retina

1:35 PM to 2:05 PM

Veronica Egger, Regensburg University, Germany

Mechanisms of local and global synaptic signalling in olfactory bulb granule cell dendrites

2:05 PM to 2:35 PM

Roberto Araya, University of Montreal, Canada

A spike-timing-dependent plasticity rule for single, clustered and distributed dendritic spines

2:35 PM to 3:05 PM

Mala Shah, University College London, UK

T-type Ca²⁺ channels and layer II medial entorhinal cortical stellate cell excitability

3:20 PM to 3:50 PM

Subgroup Business Meeting

3:50 PM to 4:20 PM

Bruce Bean, Harvard University, Boston, MA, USA

Context and complexity: How ionic conductances interact to control neuronal firing

4:20 PM to 4:50 PM

Marlies Oostland, Princeton University, NJ, USA

Neuronal mechanisms underlying HCN1-dependent motor behavior deficits

4:50 PM to 5:20 PM

Jimmy Zhou, Yale University, New Haven, CT, USA

Dendritic integration and visual computation in retinal amacrine cells

5:20 PM to 5:30 PM

Closing Remarks

6:30 PM to 9:30 PM

Cole Award Reception & Dinner at Westminster Hall

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