

**Henry Colecraft**, Columbia University, Subgroup Chair

**Membrane Biophysics Subgroup 2014 Symposium**

**Saturday, February 15, 2014**

**San Francisco, California**

**Necessary (Accessory) Subunits of Ion Channels: What They Do and How They Do It**

1:00 PM, Opening remarks

1:05 PM, Henry Colecraft, Columbia University

*Childhood Sweetheart vs Late Suitor: CaV Channel Regulation by Auxiliary  $\beta$  and  $\alpha_2\delta$  Subunits*

1:35 PM, Mark Shapiro, University of Texas Health Science Center

*Dual Regulation of M-type K<sup>+</sup> Channels by AKAP79/150 Signaling Complexes*

2:05 PM, Toshinori Hoshi, University of Pennsylvania

*Auxiliary-subunit-dependent Modulation of Slo1 BK Channels Underlies the Hypotensive Effect of Fish Oil*

2:35 PM, David Yue, Johns Hopkins University

*Powerful and Ancient Embrace of Four-domain Voltage-gated Channels with Calmodulin*

3:05 PM, Subgroup business meeting and coffee break

3:40 PM, Lori Isom, University of Michigan

*Sodium Channel  $\beta_1$  Subunits, Overachievers of the Ion Channel Family*

4:10 PM, Steven Siegelbaum, Columbia University

*TRIP(8b)ing Up and Down HCN Channel Gating and Trafficking*

4:40 PM, Roger Nicoll, University of California, San Francisco

*Auxiliary Subunits Assist AMPA Receptors*

5:10 PM, Conclusion

6:00 PM, Cole Award Dinner and Ceremony