



# 浙江大学神经科学研究所

## Institute of Neuroscience, Zhejiang University

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## 2015 Ion Channel Symposium at Zhejiang University

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2015 Ion Channel Symposium at Zhejiang University	
Tuesday, June 23 <sup>rd</sup> , 2015 ; Reception dinner for all invited speakers	
Wednesday, June 24 <sup>th</sup> , 2015 (Room 205, Zonghe building)	
8:30-8:45	Welcome speech (Jianhong Luo, Vice president of Zhejiang University)
8:45-9:35	Rick Aldrich (UT Austin)
	Calcium, Calmodulin, and Potassium Channels
9:35-10:25	Mike Rogawski (UC Davis)
	AMPA Receptors: Synaptic Physiology, Role in the Circuitry of Epilepsy, and Clinical Translation
10:25-10:35	Coffee break
10:35-11:05	Sheng Ye (Zhejiang University)
	The principle of cooperative gating in a calcium-gated potassium channel
11:05-11:25	John Bankston (University of Washington)
	Mechanisms for the Regulation of HCN Channels by the Accessory Subunit TRIP8b
11:25-11:45	Linlin Ma (University of Queensland)
	Temple-Baraitser Syndrome and Kv10.1 channel
11:45-12:05	Ping Liang (Zhejiang University)
	Providing human model of cardiac arrhythmia using iPSCs
12:05-13:15	Lunch break
13:30-14:20	Bill Zagotta (University of Washington)

	Gating mechanisms in cyclic nucleotide-regulated ion channels
14:20-15:10	Jie Zheng (UC Davis)
	Structural mechanism underlying capsaicin binding and activation of TRPV1 ion channel
15:10-15:20	Coffee break
15:20-16:10	Kenton Swartz (NIH)
	Structure and gating mechanism of thermosensitive TRPV1 channels
16:10-16:30	Wei Yang (Zhejiang University)
	Differential patterns of ligands binding to human Transient receptor potential melastatin2 (TRPM2) channel
16:30-16:50	Yuezhou Li (Zhejiang University)
	Gating-Transition States of MscL Determined by The TM1-TM2 Interactions
16:50-17:10	Shilong Yang (Kunming Institute of Zoology, CAS)
	A pain-inducing centipede toxin targets the heat activation machinery of nociceptor TRPV1
17:10-19:00	Dinner
20:00-21:00	The Legend of Romance show

2015 Ion channel symposium in Zhejiang University	
Thursday, June 25 <sup>th</sup> , 2015	
8:00-8:50	Steve Goldstein (Brandeis University)
	SUMO emerges from the nucleus to control membrane excitability
8:50-9:40	KeWei Wang (Peking University)
	Identification of novel agonists and positive allosteric modulators of alpha 7 nAChR channel for therapeutic potential of neuropsychiatric disorders.
9:40-9:50	Coffee break
9:50-10:40	Gary Yellen (Harvard University)
	KATP channels and metabolically-induced resistance to epileptic seizures
10:40-11:30	Isaac Pessah (UC Davis)

	Tipping the Balance of Neural Networks through RyR Dysfunction
11:30-11:50	Shuang Qiu (Zhejiang University)
	RIM1a, a postsynaptic organizer for NMDA receptor recycling
12:00-13:30	Lunch time

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