

<b>Oral Program</b>
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<b>Thursday, November 10<sup>th</sup> 2016</b>
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07:00-08:20	Registration   Paradise Foyer
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07:45-08:20	Early morning coffee   Pacific Room
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<b>08:20-10:00</b>	<b>Session 1   Island/Palm Room</b>
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08:20-08:30	Welcome and introduction
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08:30-09:00	<b>R. Costa</b> , <i>The Champalimaud Center for the Unknown, Portugal</i> Starting new actions and learning from it <b>[Inv.01]</b>
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09:00-09:30	<b>B. Ölveczky</b> , <i>Harvard University, USA</i>
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	Probing the neural circuits underlying complex learned behaviors: Lessons from songbirds <b>[Inv.02]</b>
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09:30-10:00	<b>S. Arber</b> , <i>University of Basel, Switzerland</i>
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	Disentangling descending circuits for motor control <b>[Inv.03]</b>
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10:00–10:30	Coffee break   Pacific Room   Sponsored by Chroma Technology
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<b>10:30-11:30</b>	<b>Session 2   Island/Palm Room</b>
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10:30-11:00	<b>M. Ehlers</b> , <i>Biogen, USA</i>
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	Transforming neuroscience therapeutics <b>[Inv.04]</b>
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11:00-11:30	<b>J. Lichtman</b> , <i>Harvard University, USA</i>
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	Title not available <b>[Inv.05]</b>
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11:30-12:00	Poster Teaser Session   Pacific Room
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12:00-13:00	Lunch   Paradise Terrace   Sponsored by Cellular Dynamics International
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13:00-14:30	Poster Session 1   Pacific Room
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<b>14:30-15:30</b>	<b>Session 3   Island/Palm Room</b>
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14:30-15:00	<b>M. Stryker</b> , <i>University of California, USA</i>
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	Title not available <b>[Inv.06]</b>
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15:00-15:30	<b>Y. Dan</b> , <i>University of California, Berkeley, USA</i>
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	Neural circuits controlling sleep <b>[Inv.07]</b>
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15:30-16:00	Coffee break   Pacific Room
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<b>16:00-16:30</b>	<b>Short Talks Session 1   Island/Palm Room</b>
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16:00-16:15	T. Kawashima, M.F. Zwart, C-T. Yang, B.D. Mensh, <b>M.B. Ahrens*</b> , <i>Janelia Research Campus, HHMI, USA</i> The serotonergic system tracks the outcomes of actions to mediate short-term motor learning <b>[ST.01]</b>
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16:15-16:30	<b>Y. Chen*</b> <sup>1,2</sup> , A. Granger <sup>1,2</sup> , J. Saulnier <sup>1,2</sup> , B. Sabatini <sup>1,2</sup> , <sup>1</sup> <i>Harvard Medical School, USA</i> , <sup>2</sup> <i>Howard Hughes Medical Institute, USA</i>
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	Unexpected lessons on neuromodulation from Gαq-coupled receptors <b>[ST.02]</b>
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<b>16:30-17:30</b>	<b>Session 4 - Panel Discussion   Island/Palm Room</b>
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19:00–22:30	Meet the Speakers dinner   Bali Hai Restaurant   Sponsored by Cellular Dynamics International
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	Keynote Presentation - B. Agüera y Arcas, <i>Google, USA</i> <b>[KN.01]</b>
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Friday, November 11 <sup>th</sup> 2016	
08:00-08:30	Early morning coffee   Pacific Room
08:30-09:00	<b>Session 5   Island/Palm Room</b>
08:30-09:00	<b>H.Y. Zoghbi</b> <sup>1,2</sup> , <sup>1</sup> Baylor College of Medicine, USA, <sup>2</sup> Texas Children's Hospital, USA Genetic and neurophysiological approaches to tackle neurodevelopmental disorders <b>[Inv.08]</b>
09:00-09:30	<b>Short Talks Session 2   Island/Palm Room</b>
09:00-09:15	<b>C.A. Ross*</b> , S. Zhu, <i>Johns Hopkins, USA</i> Mouse model of bipolar disorder and consideration of the nature of psychiatric diseases <b>[ST.03]</b>
09:15-09:30	<b>D.A. McCormick*</b> <sup>1</sup> , M. McGinley <sup>1</sup> , E. Zagher <sup>1</sup> , G. Neske <sup>1</sup> , D. Salkoff <sup>1</sup> , P. Steffan <sup>1</sup> , J. Reimer <sup>2</sup> , A. Tolias <sup>2</sup> , <sup>1</sup> Yale University School of Medicine, USA, <sup>2</sup> Baylor College of Medicine, USA State fluctuations: The brain as a dynamic biological machine <b>[ST.04]</b>
09:30-10:00	<b>Session 5 (cont.)   Island/Palm Room</b>
09:30-10:00	<b>G. Buzsaki</b> , <i>New York University, USA</i> Predicting the future by brain networks <b>[Inv.09]</b>
10:00-10:30	Coffee break   Pacific Room   Sponsored by Rockland Inc. 
10:30-11:30	<b>Session 6   Island/Palm Room</b>
10:30-11:00	<b>E. Marder</b> , <i>Brandeis University, USA</i> Robustness and variability of neurons and networks <b>[Inv.10]</b>
11:00-11:30	<b>L. Abbott</b> , <i>Columbia University, USA</i> Title not available <b>[Inv.11]</b>
11:30-12:00	 <b>Cellular Dynamics International Travel Award Presentation</b> <b>S.A. Liddelow*</b> <sup>1</sup> , L.E. Clarke <sup>1</sup> , W-S. Chung <sup>2</sup> , L. Schirmer <sup>3</sup> , D.K. Wilton <sup>4</sup> , M.L. Bennett <sup>1</sup> , F.C. Bennett <sup>1</sup> , A.E. Munch <sup>1</sup> , K.A. Guttenplan <sup>1</sup> , B.A. Barres <sup>1</sup> , <sup>1</sup> Stanford University, USA, <sup>2</sup> Korea Advanced Institute of Science and Technology (KAIST), Republic of Korea, <sup>3</sup> University of California San Francisco, USA, <sup>4</sup> Boston Children's Hospital, USA Neuroinflammatory microglia induce neurotoxic reactive astrocytes via Il1 $\alpha$ , TNF $\alpha$ , and C1q <b>[ST.05]</b>
	 <b>Joy Cappel 2016 Young Investigator Award Presentation</b>
12:00-13:00	Lunch   Paradise Terrace   Sponsored by Cellular Dynamics International 
13:00-14:30	Poster Session 2   Pacific Room
14:30-16:00	<b>Session 7   Island/Palm Room</b>
14:30-15:00	<b>L. Luo</b> , <i>Stanford University, USA</i> Cellular and molecular mechanisms of neural circuit assembly <b>[Inv.12]</b>
15:00-15:30	<b>G. Fishell</b> , <i>NYU School of Medicine, USA</i> How iso is the isocortex? <b>[Inv.13]</b>
15:30-16:00	<b>K.J. Ressler</b> , <i>Harvard Medical School, USA</i> Translating the neurocircuitry of fear to psychiatric disorders <b>[Inv.14]</b>
16:00-16:30	<b>Closing remarks   Island/Palm Room</b>
16:30-17:00	Coffee break   Pacific Room