

Wednesday, March 20, 2019

Workshops

ROOMS:	Franciscan A	Franciscan B	Franciscan C	Franciscan D	Imperial A	Imperial B
7:30 am-8:00 pm	Registration is Open Grand Ballroom Foyer					
8:00-10:00 am	<p><i>Workshop 1: Human Implantable Brain Machine Interfaces</i> Organizers: Leigh Hochberg, MGH/Brown and Ander Ramos, Univ Tuebingen - Germany</p>	<p><i>Workshop 2: Recording of Peripheral Nerve Signals to Decode Changes in Physiological Parameters and Biomarkers of Disease</i> Organizer: Theodoros Zanos, Feinstein Inst for Medical Research - USA</p>	<p><i>Workshop 3: Neuroplasticity: Technological Challenges and Ethical Considerations</i> Organizers: Michela Chiappalone and Marianna Semprini, Italian Inst of Technology - Italy</p>	<p><i>Workshop 4: From Flexible Material to Cell-Scale Recording: Emerging Frontiers in Neural Interface Technology</i> Organizers: Thomas Stieglitz, Univ of Freiburg - Germany, Ellis Meng, Univ of So California - USA, Jacob Robinson, Rice Univ - USA and Jonathan Vivenzi, Duke Univ - USA</p>	<p><i>Workshop 5: Real World Human Neuroscience: Moving Neuroimaging out of the Lab and into Complex, Naturalistic Environments and Tasks</i> Organizers: Jonathan Touryan, Army Research Lab and Paul Sajda, Columbia Univ - USA</p>	<p><i>Workshop 6: NeuroTech Entrepreneurship and Innovation</i> Organizers: Metin Akay, Univ of Houston - USA, Silvestro Micera, EPFL - Switzerland and Emilio Sacristan, UAM Iztapalapa - Mexico</p>
10:00-10:30 am	Break - Franciscan Foyer					
10:30-12:00 pm	<i>Workshop 1: Ends</i>	<i>Workshop 2: Ends</i>	<i>Workshop 3: Continued</i>	<i>Workshop 4: Continued</i>	<i>Workshop 5: Continued</i>	<i>Workshop 6: Continued</i>
12:00-1:00 pm	Lunch on Own					
1:00-3:00 pm	<p><i>Workshop 7: Developing the Next Generation of Invasive Human Neuromodulation Therapies for Mental Health Indications</i> Organizer: David McMullen, NIH/NIMH - USA</p>	<p><i>Workshop 8: Recent Advances in NeuroRobotics for Rehabilitation</i> Organizers: Jose Vidal, Univ of Houston - USA and Jose Pons, CSIC - Spain</p>	<i>Workshop 3: Continued</i>	<i>Workshop 4: Continued</i>	<i>Workshop 5: Continued</i>	<i>Workshop 6: Continued</i>
3:00-3:30 pm	Break - Franciscan Foyer					
3:30-5:00 pm	<i>Workshop 7: Ends</i>	<i>Workshop 8: Ends</i>	<i>Workshop 3: Ends</i>	<i>Workshop 4: Ends</i>	<i>Workshop 5: Ends</i>	<i>Workshop 6: Ends</i>
6:30-7:30 pm	<p>Grand Ballroom A - Welcome and Opening Ceremony  <b>"Insights into Human Cognition from Intracranial Recording"</b>                      Keynote Speaker  <b>Dr. Robert T. Knight</b>                      Professor of Psychology and Neuroscience at UC Berkeley and Professor of Neurology and Neurosurgery at UC San Francisco.</p>					
7:30-9:00 pm	<i>Welcome Reception - Imperial Ballroom</i>					

Thursday, March 21, 2019

Schedule

Rooms:	Grand Ballroom A	Grand Ballroom B	Grand Ballroom Foyer	Imperial Ballroom	Franciscan Rooms
7:00 am-5:00 pm	Registration is Open Grand Ballroom Foyer				
8:00-9:30 am	Plenary Session 1: <b>Neural Devices and Systems</b>				
9:30-10:30 am	"Individualized Functional Mapping of the Human Brain" Keynote Speaker <b>Dr. Jack L. Gallant</b> Professor at UC Berkeley				
10:30-11:00 am	Break - Grand Ballroom B - EXHIBITIONS OPEN				
11:00-12:30 pm	Plenary Session 2: <b>Peripheral Neuroprosthetics and Neurorehabilitation</b>				
12:30-1:30 pm				"Brain and Heal Initiatives" Keynote Lunch Speaker <b>Dr. Nick B. Langhals</b> Program Director for Neural Engineering within the Repair and Plasticity Cluster NINDS	<b>Student Lunch with Leaders</b> You must be pre-signed up for this event through Cvent.
1:30-2:30 pm	"Neural Engineering Meets Clinical Neuropsychiatry - Recent Successes, some Failures and a Peek into the Near Future" Keynote Speaker <b>Dr. Mark George</b> Distinguished Professor of Psychiatry, Radiology and Neurosciences, Layton McCurdy Endowed Chair, Medical Univ of South Carolina				
2:30-4:00 pm	Mini-Symposium: <b>Motor Learning and Enhancement</b> Speakers: Megan Carey - Champallimaud Center for the Unknown, Rui Costa - Zuckerman Mind, Brain and Behavior Institute and John Krakauer - John Hopkins Univ				
4:00-4:30 pm	<b>Ignite Session 1</b>				
4:30-6:30 pm		Poster Session 1 Light Refreshments EXHIBITIONS CLOSE AFTER POSTER SESSION			
7:00-9:30 pm	<p align="center"><b>Social Event</b> Sponsored by <b>Plexon Company and Women in Engineering (WIE)</b> (This is an off- property venue. Please RSVP - see ad)</p>				

Friday, March 22, 2019

Schedule

Rooms:	Grand Ballroom A	Grand Ballroom B	Grand Ballroom Foyer	Imperial Ballroom	Franciscan Rooms
7:30 am-5:00 pm	Registration is Open Grand Ballroom Foyer				
8:00-9:30 am	Plenary Session 3: <i>Neural Coding and Computation</i>				
9:30-10:30 am	"Soft Implantable Bioelectronic Interfaces" <i>Keynote Speaker</i> <b>Dr. Stephanie Lacour</b> EPFL, School of Engineering, Laboratory for Soft Bioelectronic Interfaces & Center for Neuroprosthetics, Campus Biotech, Geneva Switzerland				
10:30-11:00 am	Break - Grand Ballroom B - EXHIBITIONS OPEN				
11:00-12:30 pm	Plenary Session 4: <i>Human Cortical Brain-Machine Interfaces</i>				
12:30-1:30 pm				"Advancing Neural and Interface Systems" <i>Keynote Lunch Speaker</i> <b>Dr. Al Emondi</b> DARPA-BTO	<i>Student Lunch with Leaders</i> You must be pre-signed up for this event through Cvent.
1:30-2:30 pm	"Brain-Machine Interfaces: From Basic Science and Engineering to Clinical Trials" <i>Keynote Speaker</i> <b>Dr. Krishna Shenoy</b> Electrical Engineering, Bioengineering and Neurobiology at Stanford				
2:30-4:00 pm	Panel Discussion: <i>Ethics of Emerging Neurotechnologies</i> <i>Speakers: Henry Greely - Stanford Univ, Justin Sanchez - DARPA, Winston Chiong - Univ of California at SF and Laura Sullivan - College of Charleston</i>				
4:00-4:30 pm	Ignite Session 2				
4:30-6:30 pm		Poster Session 2 <i>Light Refreshments</i> EXHIBITIONS CLOSE AFTER POSTER SESSION			

Saturday, March 23, 2019

Schedule

Rooms:	Grand Ballroom A	Grand Ballroom Foyer
7:30 am-12:00 pm	Registration is Open Grand Ballroom Foyer	
8:00-9:30 am	Plenary Session 5: <i>Non Invasive Human Studies</i>	
9:30-10:30 am	"Perturbation and Control for Human Brain Network Dynamics" <i>Keynote Speaker</i> <b>Dr. Danielle Bassett</b> Department of Bioengineering at the Univ of Pennsylvania	
10:30-11:00 am	Break - Grand Ballroom Foyer	
11:00-12:30 pm	Plenary Session 6: <i>Bioelectronic Medicine</i>	
12:30-1:00 pm	Closing Ceremony and Awards	