

# Bio-Interfaces: Connecting Ideas, Technologies and Unmet Needs

## Stanford SystemX Alliance, March 1<sup>st</sup> 2016, Workshop

<b>07:45 - 08:20</b>	Continental Breakfast		
<b>08:20 - 08:30</b>	Welcome		
	<b>Neuro Stimulation/Modulation</b>	Chair: Shan Wang	
<b>08:30 - 09:00</b>	Electrical Stimulation Systems for the Treatment of Neurological Disorders	Dr. Jaime Henderson, MD	Stanford School of Medicine
<b>09:00 - 09:30</b>	Wireless Bioelectronics	Dr. Ada Poon	Stanford University
	<b>Infectious Diseases</b>	Chair: Tom Soh	
<b>09:30 - 10:00</b>	Biosensor Applications for the Emerging Threat of Microbial Resistance	Dr. Joe Liao, MD	Stanford School of Medicine/VA
<b>10:00 - 10:30</b>	NGS for Infectious Disease Diagnosis: Case Examples	Dr. Joe DeRisi	UCSF
<b>10:30 - 11:00</b>	Break		
	<b>Cancer Detection</b>	Chair: Rick Bahr	
<b>11:00 - 11:30</b>	Precision Health and the Future of Integrated Diagnostics	Dr. Sam Gambhir, MD, PhD	Stanford School of Medicine
<b>11:30 - 12:00</b>	Novel Reagent and Biosensors for Early Detection	Dr. Tom Soh	Stanford University
<b>12:00 - 12:30</b>	Nanosensors for Cancer Detection and Mobile Health	Dr. Shan Wang	Stanford University
<b>12:30 - 01:30</b>	Lunch		
	<b>Wearable Tech &amp; Imaging</b>	Chair: Boris Murmann	
<b>01:30 - 02:00</b>	Flexible Wearables	Dr. Zhenan Bao	Stanford University
<b>02:00 - 02:30</b>	Emerging Wearable Biosensors for Personalized Medicine	Dr. Sam Emaminejad	University of California, Berkeley and Stanford School of Medicine
<b>02:30 - 03:00</b>	Microwave/Ultrasound Hybrid Systems for Imaging and Implantable Devices	Dr. Amin Arbabian	Stanford University
	<b>Machine Learning &amp; Data Analytics</b>	Chair: Ada Poon	
<b>03:00 - 03:30</b>	Automated Prognostication of Breast Cancer Recurrence using Digital Histopathology	Dr. David Knowles	Stanford University
<b>03:30 - 04:00</b>	Computational Tools for RNA-Seq Data Analysis	Dr. David Tse	Stanford University