

Sunday, September 17	
16:00	Registration and Check In
18:00	Dinner
Keynote Session chair:	
19:00	<b>Brian Litt</b> , University of Pennsylvania, Interfacing novel devices with the nervous system, lessons from the clinical world
20:00	Welcome Reception

Monday, September 18	
Organic Bioelectronics chair:	
08:30	<b>Magnus Berggren</b> , "A body area network based on organic electronics"
09:10	<b>Daniel Frisbie</b> , University of Minnesota, "Electrolyte Gated Transistors with Floating Gates as Biosensors"
09:50	<b>Roisin Owens</b> , University of Cambridge, Ecole de Mines, St. Etienne, "Organic Electronics for Monitoring and Hosting of 3D cell biology models"
10:30	Coffee Break
Stretchable and Adaptable Bioelectronics chair:	
11:00	<b>Xiaodong Chen</b> , Nanyang Technological University "Stretchable Microelectrodes for Electrophysiological Monitoring"
11:40	<b>Rylie Green</b> , Imperial College, London "Performance of living electrodes as cortical implants"
12:20	Lunch and Free Time (Box Lunch if Desired)
18:00	Dinner

Wearable Bioelectronics chair:	
19:20	<b>Yael Hanein</b> , Tel Aviv University, "Wearable technology for long-term high fidelity electrophysiology"
20:00	<b>Takao Someya</b> , University of Tokyo, "Breathable on-skin sensors for long-term health monitoring"
20:40	Poster Session

## Tuesday, September 19

Electron and Ion Conduction Across and Outside Cell Membrane chair:	
08:30	<b>Allon Hochbaum</b> , UC Irvine "Electronic Conductivity in Bacterial Pili and Bioinspired Peptide Nanofibers"
09:10	<b>Guillermo Bazan</b> , UC Santa Barbara, "Tuning Bacterial Anaerobic Respiration Using Redox-Active Conjugated Oligoelectrolytes"
09:40	<b>Tom de Coursey</b> "Proton Selectivity of hHV1, the Human Voltage-gated Proton Channel"
10:30	Coffee Break
Nanofabricated Bioelectronics chair:	
11:00	<b>Bozhi Tian</b> "Silicon-based biophysical tools for extracellular and intracellular modulation"
11:40	<b>Rikky Muller</b> , UC Berkeley, "Miniaturized and Minimally Invasive Interfaces to the Brain"
12:20	Lunch and Free Time (Box Lunch if Desired)
18:00	Dinner

Biodegradable and Tissue Bioelectronics chair:	
19:20	<b>Molly Stevens</b> , Imperial College, London "Engineering and Exploring the Cell-Material Interface for Regenerative Engineering"
20:00	<b>Fiorenzo Omenetto</b> , Tufts University, "Functional biopolymer-based devices: from reconfigurable photonics to functional living materials"
21:00	Poster Session

## Wednesday, September 20

### Future Bioelectronics Interfaces

chair:

10:00	<b>Maharabitz</b> , UC Berkeley, "Recent advances in Neural Dust, a platform for peripheral and central nervous system recording
10:40	<b>Andreas Offenhauser</b> , Institute of Complex Systems, Forschungszentrum Jülich Mind the gap – modifying and characterizing the neuroelectronic interface
11: 20	Selection of chair and organizing committee for 2018
12:10	Free Time (Box Lunch if Desired)
18:00	Dinner
19:00	Selected Poster Talks chairs: <b>Alex Noy</b> , Lawrence Livermore Nat. Lab & UC Merced <b>Marco Rolandi</b> , UC Santa Cruz
21:00	Farewell Reception

## Thursday, September 21

08:00	Breakfast
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All meals will be at  
CROCKER dining Hall

All lectures and Poster sessions  
are in NAUTILUS

All meals, including lunch on Thursday Sept 21th (Box Lunch Available) are included in the conference fee