



# ASILOMAR BIOELECTRONICS SYMPOSIUM 2019

Asilomar Conference Grounds

Pacific Grove, CA, USA

September 3-7, 2019

<https://asilomarbioelectronics.org>

## MISSION STATEMENT:

Modern electronics and materials science are bringing revolutionary advances to biointerface design and are shattering the limits of what is possible in the areas of biomedical diagnostics and sensing, neuroscience, and prosthetics. This new field of bioelectronics seeks to explore the interfaces between electronics, materials science and other engineering disciplines with biochemistry, biophysics, and general biology.

Founded in 2016, this interactive annual symposium will focus on defining the frontiers of bioelectronics and mapping future directions. The collegial environment of this symposium will allow leading experts in the field, rising stars, and novices to discuss a broad array of topics.

The symposium format features morning and evening sessions with ample unstructured time in the afternoons in order to foster in-depth informal discussions between senior and junior scientists. Optional, planned outdoor activities will be offered to facilitate discussion and interaction.

Topic sessions and confirmed invited speakers include:

### Synthetic Biology, Bionanotechnology:

Rebecca Shulman (Johns Hopkins Univ.)

Michael Strano (MIT)

Mark Akeson (UCSC)

Francesca Santoro (IIT, Italy)

### Bioelectronic sensor development:

Luisa Torsi (Univ. Bari Aldo Moro, Italy)

Bernard Wolfram (TU Munich, Germany)

### Neural Interfaces and Bioelectronics:

Andreas Hierlemann (ETH Zurich, Switzerland)

Stephanie Lacour (EPFL, Switzerland)

Nick Melosh (Stanford University)

Jacob Robinson (Rice University)

### Organic Bioelectronic Materials/Devices:

George Malliaras (Univ. Cambridge, UK)

Eric Glowacki (Linköping U., Sweden)

Zhenan Bao (Stanford University)

### Clinical Perspectives:

Jennifer Gelinas (Columbia University)

Peder Olofsson (Karolinska Institute, Sweden)

### Neuromorphic devices:

Yoeri van de Burgt (Eindhoven, Netherlands)

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