

Stanford Bio-X Interdisciplinary Initiatives
Seed Grants Program Symposium
August 29, 2019
Clark Center Auditorium
biox.stanford.edu

1:00pm
Introduction
Carla Shatz, David Starr
Jordan Director,
Stanford Bio-X

1:15pm
*Elastic Polymeric
Electronics for High
Throughput and High Density
Mapping of Cardiac
Arrhythmogenic Activity*
Anson Lee (Cardiothoracic
Surgery) and Zhenan Bao
(Chemical Engineering)

1:40pm
*A Novel Approach Towards
Drug Screening Using
Single Cell Experiments, Isolated
Heart Preparations, Multiscale
Modeling, and Machine Learning*
Ellen Kuhl (Mechanical
Engineering) and Kinya Seo,
(Instructor of Cardio-
vascular Medicine in
Euan Ashley's lab)

2:05pm
*Exploring the Evolution
of Human Brain
Development with
Cerebral Cortical Spheroids*
Hunter Fraser (Biology),
Sergiu Pasca (Psychiatry &
Behavioral Sciences),
and Rachel Agolia
(PhD candidate
in Genetics in Hunter
Fraser's and Sergiu
Pasca's labs)

2:30pm
*Engineered Molecular
Transport for Directing
Neural Development*
Zev Bryant (Bioeng-
ineering) and Lin
Ning (postdoctoral
research fellow in
Neurobiology in
Michael Lin's lab)

2:55pm
*From Taxa to
Pathways: Unraveling
the Metabolic Impact
of the Gut Microbiome
in Autism Spectrum
Disorder*
Dennis Wall (Pediatrics
and Biomedical Data
Science) and Michael
Snyder (Genetics)

3:20pm
*A Gut Feeling: Mechano-
and Chemo-Sensory Inputs
Controlling Adaptive
Intestinal Growth*
Lucy O'Brien (Molecular &
Cellular Physiology) and
Anna Kim (postdoctoral
research fellow in Molec-
ular & Cellular Physiology
in Lucy O'Brien's lab)

4:00pm
*Reception and
Scientific
Poster Session*

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