

EPFL Bioengineering Day 2020

– Thursday, November 12, 2020, 13:00 till 17:00 (CET) – **via Zoom only** –

“Physics of Living Systems”

13:00 Welcome, Opening Words: **Alex Persat & Li Tang** (BioE Day Organizing Committee)

13:10 Keynote Talk: **Polina Anikeeva**, Massachusetts Institute of Technology, Cambridge, MA (USA)
Modulation of Neural Function with Electronic, Optical, and Magnetic Tools

‘Jeffrey Hubbell and Melody Swartz Young Bioengineer Award’ Finalists Talks:

13:45 **Chan Cao** (Dal Peraro Lab) *Decoding Informational Polymer by Engineered Biological Nanopores*

14:05 **Fabian Sesterhenn** (Correia Lab) *Toward a New Age of Precision Vaccines Through Computationally Designed Proteins*

14:25 **Dora Mahecic** (Manley Lab) *Super-Resolution Microscopy Across Biological Spatiotemporal Scales*

14:45 **Mikhail Nikolaev** (Lutolf Lab) *Tissue-Engineered Mini-Guts Establish a Homeostatic Organoid Culture System Resembling Native Intestinal Tissue*

15:05 Break

15:20 **Anne-Florence Bitbol**, Institute of Bioengineering, EPFL (CH)
Statistical Physics to Study Proteins and Microbial Evolution

15:55 Keynote Talk: **Dagmar Iber**, ETH Zurich (CH) *Physical Principles of Epithelial Morphogenesis*

16:30 Annual Ceremony:

Hubbell-Swartz Award / EDBB Distinctions / Toasts to IBI faculty / Lebowski/Lebowska Award(s)

17:00 End