

PHYSICS MEETS BIOLOGY



 **April 26-28**
15:00 UTC

Online
(Zoom) 

APRIL 26

15:00-15:45

-  **"What is biophysics?"**
Anthony Watts, University of Oxford (UK)

15:45-16:10

-  **"Biophysical approach to unravel the mechanism of viral entry into human cells"**
Sai Chaitanya Chiliveri, NIH Bethesda (USA)

16:10-16:35

-  **"Software development for cryo-electron microscopy of cell surface receptors in neurobiology"**
Bjorn Forseberg, Karolinska Institute (Sweden)

15:00-15:45

-  **"Using physical methods to study the physics of living cells"**
Sarah Köster, University of Göttingen (Germany)

15:45-16:10

-  **"Using the physics of liquid crystals to understand regeneration in an aquatic animal"**
Yonit Maroudas-Sa, Technion University (Israel)

16:10-16:35

-  **"Physical constraints on cell growth and division"**
John Devany, University of Chicago (USA)

APRIL 28

15:00-15:45

-  **"Theory and simulation in biology"**
Helmut Grubmüller, Max Plank Institute (Germany)

15:45-16:10

-  **"Optimising nanopores for DNA sequencing: a molecular simulation perspective"**
Punam Rattu, University of Southampton (UK)

16:10-16:35

-  **"Using MD simulations to study transport across membranes"**
Mariana Bunoro, University of São Paulo (Brazil)

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