

# Biological Physics Seminars

Trinity Term 2021

Fridays 10:00am – 11:00am BST

Week 3:  
May 14<sup>th</sup>

**Kislon Voitchovsky**

**(Durham University)**

Ions at biointerfaces: a nanoscale perspective

Week 4:  
May 21<sup>st</sup>

**Wilber Lim**

**(Louis Group, Physics)**

The interplay between thymine dimers and supercoiled DNA

Week 5:  
May 28<sup>th</sup>

**Dimitrios Stamou (University of Copenhagen)**

Million times more sensitive than Patch clamp: Measuring the atto ampere currents of single V-type and P-type ATPases reveals how dynamic disorder enables regulation of molecular function

Week 6:  
June 4<sup>th</sup>

**Mehrana Raesian Nejad**

**(Yeomans Group, Physics)**

Active nematics, as a model for describing biological systems

Week 8:  
June 18<sup>th</sup>

**Andrew McMahon**

**(Kapanidis Group, Physics)**

High throughput super resolution microscopy, modelling and simulations of filamentous viruses

Week 9:  
June 25<sup>th</sup>

**Ashley Nord**

**(Center for Structural Biology (Montpellier, France)  
& French National Centre for Scientific Research)**

Dynamics of the bacterial flagellar motor