

Life at the single-molecule level: from DNA interactions to cell-level processes

Host: Dr. Graeme King

Talks take place on **Wednesdays** from **1-2pm** on *Microsoft Teams* via the link in promotional emails.

21 st April 2021	<i>Understanding condensed liquid states in live bacteria</i> Prof. Mark Leake, University of York
28 th April 2021	<i>Mechanisms of ATP-dependent DNA supercoiling, relaxation, and decatenation by DNA topoisomerases</i> Prof. Dagmar Klostermeier, Universität Münster, Germany
5 th May 2021	<i>The regulation of double-stranded DNA break repair by DNA motor proteins</i> Prof. Mark Dillingham, University of Bristol
12 th May 2021	<i>Visualizing mechanisms of cellular force-sensing</i> Dr. Gregory Alushin, The Rockefeller University Guest host: Prof. Carolyn Moores
19 th May 2021	<i>Single-molecule mechanical methods in the study of synaptic vesicle fusion and beyond</i> Dr. Raya Sorkin, Tel Aviv University, Israel
26 th May 2021	<i>The nanomechanical properties of proteins regulate their translocation rate into the cell</i> Prof. Sergi Garcia-Manyes, Kings College London
2 nd June 2021	<i>Structural and mechanistic insights into the biogenesis of bacterial amyloids</i> Prof. Stephen J. Matthews, Imperial College London Guest host: Prof. Andres Ramos
9 th June 2021	<i>Base-pair resolution analysis of the effect of supercoiling on DNA structure and interactions</i> Dr. Alice Pyne, University of Sheffield
16 th June 2021	<i>Ancestry, Genetics and Race: Dealing with the Legacy of Scientific Racism</i> Prof. Mark Thomas and Dr Adam Rutherford, University College London Guest hosts: Prof. Finn Werner and Dr. Charmian Dawson
