

Capturing scales of biological mechanisms: from individual molecules to organisms

Coordinated by **Prof. John Christodoulou** and **Dr. Amandine Marechal**.

On **Wednesdays** from **1-2pm** in the **JZ Young Lecture Theatre, UCL Anatomy Building** and remotely via **MS Teams**.

11th January 2023	<i>Using single-molecule atomic force microscopy to probe transient electron transfer complexes</i> Prof. Matt Johnson, University of Sheffield, UK
18th January 2023	<i>Structural and functional heterogeneity of the human respiratory chain</i> Dr. Cristina Ugalde, Instituto de Investigación Hospital 12 de Octubre, Spain
25th January 2023	<i>Protein folding, unfolding and disaggregation by Hsp60 and Hsp70 molecular chaperones</i> Prof. Helen Saibil, Birkbeck, University of London, UK
1st February 2023	<i>Mining non-cultivated bacteria for plastic degrading enzymes</i> Prof. Wolfgang Streit, University of Hamburg, Germany Special host: Prof. Finn Werner
8th February 2023	<i>Antitrypsin deficiency and the serpinopathies – pathological polymers and a small molecule therapy</i> Prof. David Lomas, UCL School of Life and Medical Sciences, UK
15th February 2023	<i>Genetic Therapies for Huntington's disease - challenges and opportunities</i> Prof. Sarah Tabrizi, UCL Institute of Neurology, UK
22nd February 2023	<i>Coping with Mechanical Stress: Tissue dynamics during development and repair</i> Prof. Yanlan Mao, MRC Laboratory of Molecular Cell Biology, UCL, UK
1st March 2023	<i>Mechanisms of co-translational assembly of protein complexes</i> Prof. Bernd Bukau, University of Heidelberg, Germany
8th March 2023	<i>Breaking symmetry in the brain: from genes to behaviour</i> Prof. Steve Wilson, UCL Division of Biosciences, UK
15th March 2023	<i>Probing disordered proteins with single-molecule spectroscopy</i> Prof. Ben Schuler, University of Zurich, Switzerland
22nd March 2023	<i>Exploiting divergent biology of two fission yeasts to understand membrane function</i> Prof. Snezhka Oliferenko, Francis Crick Institute, UK Special host: Dr. Giulia Zanetti
29th March 2023	<i>Cell-Free Expression: A Strategy for Prototyping Parts, Building Biosynthetic Pathways, and Making Novel Xenobiotics</i> Prof. Paul Freemont, Imperial College London Special host: ISMB PDRAs
