

## *Emergent properties of complex biological systems*

Coordinated by **Harry-Luke McClelland** and **Brian Ho**

On **Wednesdays** from **1-2pm** in the **Gavin de Beer LT, UCL Anatomy Building**

10 <sup>th</sup> January 2024	<i>Optically functional crystals in animal coloration and vision</i> <a href="#">Dr. Benjamin Palmer, Ben Gurion University</a> Host: Harry-Luke McClelland
17 <sup>th</sup> January 2024	<i>Cryomicroscopy studies of lipid-enveloped virus entry and assembly</i> <a href="#">Prof. Peter Rosenthal, The Francis Crick Institute, UK</a> Host: Prof. Andres Ramos
24 <sup>th</sup> January 2024	<i>Emergent behaviours, spatial organisation, and stable diversity in a cyanobacterial microbial community</i> <a href="#">Prof. Orkun Soyer, University of Warwick, UK</a> Host: Brian Ho
31 <sup>st</sup> January 2024	<i>Engineering (synthetic) microbial communities</i> <a href="#">Dr. Alex Fedorec, Cell and Development Biology, UCL Division of Biosciences</a> Host: Harry-Luke McClelland
7 <sup>th</sup> February 2024	<i>Nutrient competition and metabolite inhibition by the gut microbiota restricts the intestinal growth of carbapenem-resistant Enterobacteriaceae</i> <a href="#">Dr. Julie McDonald, Imperial College London, UK</a> Host: Brian Ho
14 <sup>th</sup> February 2024	<i>Selenoproteins in human health and disease</i> <a href="#">Prof. Elias Arner, Karolinska Institute, Sweden</a> Host: Ivan Gout
21 <sup>st</sup> February 2024	<i>Integrated modelling with experiments to understand cellular adaptive behaviour</i> <a href="#">Dr. Katie Bentley, The Francis Crick Institute, UK</a> Host: Harry-Luke McClelland
28 <sup>th</sup> February 2024	<i>Understanding epithelial tissue patterning and morphogenesis across scales</i> <a href="#">Prof. Alex Fletcher, The University of Sheffield, UK</a> Host: Harry-Luke McClelland
6 <sup>th</sup> March 2024	<i>Mechanisms of bacterial biofilm formation and functions</i> <a href="#">Assoc. Prof. Knut Drescher, University of Basel, Germany</a> Host: Harry-Luke McClelland
13 <sup>th</sup> March 2024	<i>ATP-sensitive potassium channels: From genetic mutations to multi-system disease</i> <a href="#">Dr. Conor McClenaghan, Rutgers University, USA</a> Host: Harry-Luke McClelland
20 <sup>th</sup> March 2024	<i>Quantitative understanding of different modes of growth arrest: implications for antibiotic treatments</i> <a href="#">Prof. Nathalie Balaban, The Hebrew University</a> Host: Harry-Luke McClelland
27 <sup>th</sup> March 2024	<i>Bringing population genetics to protein structure</i> <a href="#">Prof. Geoffrey Barton, The University of Dundee, UK</a> Special Hosts: UCL Postdocs, Neeladri Sen and Georgina Charlton