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

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