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| **Time** | **Activity** |  |
| 10.00 - 10.45 | **PI intro talks:** | Talks should aim to be around 5 minutes and can make use of a slide: |
|  | Sharon Zytynska | Microbe-induced resistance in plant against insect pests |
|  | Andy Jones | Rice pan gene set annotation, SUMOylation in Arabidopsis, phosphorylation in rice |
|  | Raj Witlock |  |
|  | James Hartwell | Photosynthesis working the night shift |
|  | Luning Liu (Pei Cing Ng) | Biological organelles: assembly, biogenesis and engineering |
|  | Diarmuid O'Maoileidigh | Molecular mechanisms of floral organ photosynthesis |
|  | Peter Glen Walley | Liverpool Crop Genetic Improvement Group |
|  | Dan Canniffe | Expanding the range of the solar spectrum used by photosynthesis |
|  | **Student talks** |  |
| 10.45 - 11.00 | Maryam Subaylaa | Undertanding of the variation in photosynthetic physiology across the diverse genus Kalanchoe |
| 11.00 - 11.15 | Kawinnat Sue-ob | Identification of SUMOylation machinery in rice (Oryza sativa) |
| 11.15 - 11.30 | Nicky Rudling | The role of chlorophyllide oxidoreductase enzymes in the expansion of photosynthesis into the near-infrared |
| 11.30 - 12.15 | **Posters and Coffee** |  |
|  | **Student talks** |  |
| 12.15 - 12.30 | Jesse McCarthy | Molecular mechanisms underlying floral organ photosynthesis |
| 12.30 - 12.45 | Sam Bannon | Enhancing hydroponic growing systems by addressing the challenges of energy requirements, grow time, nutrient uptake, as well as the presence of algae and harmful pathogens in growing solution |
| 12.45 - 1.00 | Dowrung Namoon | The role of the γ subunit in the photosystem of the lowest energy phototrophs |
| 1.00 - 2.00 | **Lunch** |  |
|  | **Student and post doc talks** |  |
| 2.00 - 2.15 | Jessica Pritchard | Working towards more water-use efficient crops: Understanding the molecular basis of circadian control of CAM photosynthesis |
| 2.15 - 2.30 | Thomas Lang | Characterising genetic diversity of Wild Rocket (Diplotaxis tenuifolia (L.) DC) and developing a pipeline for marker assisted breeding |
| 2.30 - 2.50 | Sandeep Amberkar | Improving Rice gene models (as part of PanOryza project) |
| 2.50 - 3.10 | Break |  |
|  | **Post doc talks** |  |
| 3.10 - 3.30 | Roisin Fattorini | Exploring the genetic regulation of floral organ photosynthesis |
| 3.30 - 3.50 | Taiyu Chen | Utilization of carboxysome to optimize photosynthesis capacity in high plants |
| 3.50 - 4.10 | Louisa Dever | Using Natural Variation to Breed Brassicas with Better Post Harvest Performance |
| **4.10 - 4.30** | **Goodbyes** | **Group photo** |
| **4.30 -** | **Pub** |  |

**UoL Plant and Photosynthesis Symposium**

**17th March 2022**