



Nitrogen Fixation, Legumes and Symbiosis

28th July 2022

Department of Plant Sciences, University of Oxford

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| 10am - 10.25am | Coffee and registration in common room | |
| 10.25am | Welcome | Phil Poole University of Oxford |
| | Session 1 Chair: Phil Poole | |
| 10.30am | Engineering nitrogen-fixing symbiosis between cereals and bacteria | Tim Haskett University of Oxford |
| 11am | Getting to the root of symbiotic nodule organ identity | Katharina Schiessl SLCU |
| 11.30am | Time for nitrogen in the end-zone | Emma Picot Warwick University |
| 12 noon | Understanding the role of Gibberellic Acid in Rhizobia-Legume Symbiosis | Colleen Drapek SLCU |
| 12.30pm | Lunch served in common room | |
| | Session 2 Chair: Miriam Gifford | |
| 2.00pm | Plasmid diversity in the <i>Rhizobium leguminosarum</i> species complex | Peter Young University of York |
| 2.30pm | The innovation of the symbiosome has enhanced the evolutionary stability of nitrogen fixation in legumes | Euan James JHI |
| 3.00pm | Exploring the ecological impacts of exotic rhizobial inoculation on the soil microbiome | Grace Wardell University of Sheffield |
| 3.15pm | Learning from diversity: Comparing nodulation in <i>Medicago truncatula</i> to that in the non-legume <i>Parasponia andersonii</i> | Helen Wilkinson Warwick University |
| 3.30pm | Photo of Nitrogen Network Meeting 2022 Please assemble on front steps of the building | |
| 3.35pm | Tea served in common room | |
| | Session 3 Chair: Peter Young | |
| 4.00pm | Analysis of the regulatory systems controlling carbon and nitrogen metabolism | Carmen Sanchez-Canizares University of Oxford |
| 4.30pm | Connections between strigolactone biosynthesis, flavonoid production and root system architecture in <i>Arabidopsis thaliana</i> | Bethany Richmond Warwick University |
| 4.45pm | Understanding Plant Colonisation by Gammaproteobacteria Using Metabolic Modelling and Multi-Omics Approaches | Bergthor Traustason University of Oxford |
| 5.00pm | Wrap-up | Phil Poole University of Oxford |
| 6.00pm onwards | Outdoor space booked for dinner and drinks at The Up In Arms, Marston, OX3 0EN https://dodopubs.com/locations/the-up-in-arms/ A group will be walking there from Dept. of Plant Sciences once the meeting is over. | |