



Nitrogen Fixation, Legumes and Symbiosis

12th July 2018

Department of Plant Sciences, University of Oxford

10am - 10.25am	Coffee and registration in common room	
10.25am	Welcome	Phil Poole University of Oxford
	Session 1 Chair: Carmen Sanchez-Canizares, University of Oxford	
10.30am	Functional expression of nitrogenase structural and biosynthetic proteins in yeast mitochondria	Luis Rubio UPM
11.30am	Regulated excretion of ammonia by NifA variants in Proteobacteria	Marcelo Batista JIC
11.50am	Managing nitrogen metabolism in <i>Anabaena</i> sp. PCC 7120 to increase fertilization efficiencies	Giorgio Perin Imperial
12.10pm	Combinatorial regulation of NCRs during nodulation and N responses in the legume <i>Medicago truncatula</i>	Mingkee Achom University of Warwick
12.30pm	Lunch served in common room	
	Session 2 Chair: Tim Haskett, University of Oxford	
2.00pm	Genomics and nitrogen fixation in <i>Azoarcus</i>	Euan James JHI
2.20pm	<i>Medicago truncatula</i> and <i>Sinorhizobium</i> : efficiency and regulation	Beatriz Lagunas University of Warwick
2.40pm	Investigating transcriptomic variation and interactions between <i>Rhizobium leguminosarum</i> biovar <i>trifolii</i> strains	Bryden Fields University of York
3.00pm	Characterising root-microbe interactions in <i>Rhizobium</i> -legume symbioses	Jack Parsons University of Oxford
3.20pm	Carbon nanodots as a tool to investigate root-microbe interactions	Peter Morrison University of Warwick
3.40pm	Tea served in common room	
	Session 3 Chair: Marta De Sa Mendes, University of Oxford	
4.10pm	Insertion sequencing in <i>Rhizobium leguminosarum</i>	Rachel Wheatley University of Oxford
4.30pm	Investigating the conservation of cell-type and tissue specific gene expression in response to rhizobial infection in nodulating plant species	Proyash Roy University of Warwick
4.50pm	Plant growth promoting rhizobacteria (PGPR): much more than nitrogen fixers	Shraddha Gang Imperial
5.10pm	Engineering CRISPR interference technology in Rhizobacteria	Kyle Grant University of Oxford
5.30pm	Wrap-up	Phil Poole University of Oxford