Nitrogen Fixation, Legumes and Symbiosis
28th June 2017
Department of Plant Sciences, University of Oxford

10am - 10.25am	Coffee and registration in common room	
10.25am	Welcome	Phil Poole
	Session 1 Chair: Miriam Gifford, University of Warwick	
10.30am	Capturing microbial co-symbiosis to sustain plant productivity	Beatriz Lagunas University of Warwick
10.50am	Modelling the legume-rhizobia symbiosis	Annet Westhoek University of Oxford
11.10am	The role of Nodule Cysteine-Rich peptides in controlling nodulation	Mingkee Achom University of Warwick
	Session 2 Chair: Jorg Schumacher, Imperial	
11.30am	Synthetic control of nitrogen fixation and assimilation in the associative diazotroph *Klebsiella oxytoca*	Chris Waite Imperial
11.50am	Engineering rhizobia as a synthetic biology chassis	Kyle Grant University of Oxford
12.10pm	Deciphering the role of three Fnr orthologs in *Herbaspirillum seropedicae*	Marcelo Bueno Batista JIC
12.30pm	Lunch served in common room	
	Session 3 Chair: Euan James, JHI	
2.00pm	Comparative genomics of “plant-associated” *Azoarcus* spp. reveals that they are well equipped for living in both plant and soil environments	Marta Maluk JHI
2.20pm	Plant selection of root-associated microbiomes	Andrzej Tkacz University of Oxford
	Session 4 Chair: Jeremy Murray, JIC	
2.40pm	The role of dynamic gene expression in modulating root architecture in response to the environment	Liam Walker University of Warwick
3.00pm	Investigating root-microbe interactions in agricultural 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	EcfE, a master regulator of pea root attachment and colonization of *Rhizobium leguminosarum* bv *viciae* 3841	Vinoy Ramachandran University of Oxford
4pm	Tea served in common room	
	Session 5 Chair: Barney Geddes, University of Oxford	
4.30pm	Regulation of central metabolism in *Rhizobium leguminosarum*	Carmen Sanchez-Canizares University of Oxford
4.50pm	Investigating hierarchical regulation in metabolic networks with control theory	Fei He Imperial

5.10pm	Proteomics based approaches to investigate the Fix supramolecular complex	Nick Crang University of Oxford
5.30pm	Wrap-up	Phil Poole

Please bear in mind that this is a closed scientific meeting and the information you hear today is bound by confidentiality.

Coffee/tea and lunch will be served in the Common Room of Plan Sciences Dept.