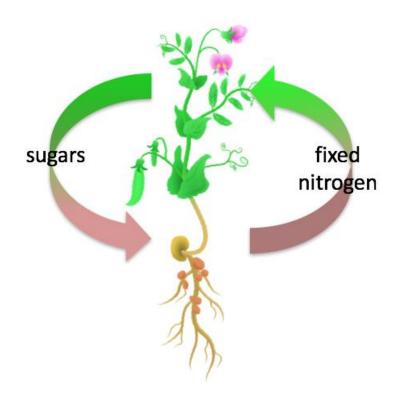
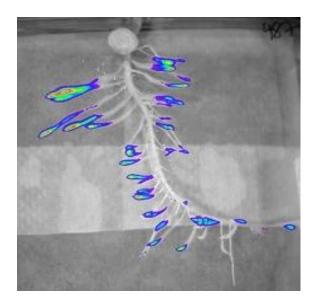


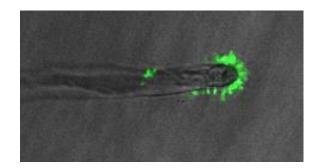
Jack Parsons

DPhil candidate, University of Oxford Thesis Title: Regulation of Root Attachment in Rhizobium

Research Overview -Rhizobium-Legume symbioses







Research Overview -Opportunities and Challenges for Commercialisation

Opportunities:

- Improve legume yields via symbiont strain optimization
- Reduce/replace fertilizer requirements cereal engineering
- Enhance pathogen resistance symbiont root system protection
- Decrease costs (financial & environmental) of agriculture

Challenges:

- Basic mechanistic information incomplete
- Genetic engineering challenges in higher plants
- Uncertainty in regulatory frameworks & high cost of market delivery
- Opposition to new technologies





My Reasons for Attending

