



New thinkers  
for new times



## Applications open for Plant Science and Applied Bioscience PhDs

BBSRC funded, 4 year PhDs available, starting October 2025  
Applications close 5<sup>th</sup> January 2025

### [CTP-SAI-070; Assessing efficient application and emission reduction from using low carbon footprint fertilisers in potato agronomy](#)

*Professor Ruben Sakrabani, Cranfield University, Mr Gary Collins, PepsiCo. \*Earlier start date possible for this project*

### [CTP-SAI-080; Preventing, predicting and protecting crops from vectors of barley yellow dwarf virus \(BYDV\).](#)

*Dr Tom Pope, Dr Joe Roberts and Dr Ben Clunie (Harper Adams University), Dr Steve Rawsthorne (TMAF)*

### [CTP-SAI-081; 'Guardians from the Grass'; Harnessing fungal endophytes to suppress plant parasitic nematodes of potatoes.](#)

*Dr Matthew Back and Dr Katrzyna Dybal (Harper Adams University), Dr Sarah Roberts (NIAB / CUPGRA)*

### [CTP-SAI-082; Future Faba: Quantifying the impacts of Faba beans on soil processes for resilient agriculture.](#)

*Dr Hannah Cooper and Prof. Sacha Mooney (University of Nottingham), Prof. Pietro Iannetta (JHI), Roger Vickers (PGRO)*

### [CTP-SAI-083; Breaking Breeding Bottlenecks: Combining remote sensing and machine learning to rapidly phenotype field crop yield potential.](#)

*Dr Kanthu Joseph Mhango, Dr Edwin Harris and Prof Jim Monaghan (Harper Adams University), Dr Edwin van der Vossen (Solynta)*

### [CTP-SAI-085; Predicting fungicide resistance evolution: combining theoretical and experimental approaches](#)

*Dr Nichola Hawkins (Niab), Prof Nik Cunniffe (University of Cambridge), Dr Phil Madgwick and Dr Ariane Le Gros (Syngenta)*

### [CTP-SAI-086; Optimising Transient Carbohydrate Partitioning in Wheat to Improve Climate Resilience](#)

*Dr Alexander Watson-Lazowski, Dr Andrew Beacham and Prof Peter Kettlewell (Harper Adams University), Dr Simon Griffiths (JIC), Steve Rawsthorne (TMAF)*

### [CTP-SAI-088; Optimizing cover crops in faba bean rotations: Implications for SFI policy.](#)

*Prof. Sacha Mooney (University of Nottingham), Prof. Pietro Iannetta (JHI), Dr Tom Woods (Niab), Roger Vickers (PGRO)*

### [CTP-SAI-092; Assessing the impacts of regenerative farming on UK lowland peatlands.](#)

*Dr Nick Girkin and Dr Hannah Cooper (University of Nottingham), Julius Joel (G's Growers)*

