



DIY Plant Walls: Engineering Plant Cell Size and Material Strength using Fungal Proteins (Plant BioDesign Cambridge project)

Lead supervisor: Prof Sebastian Schornack . Co-supervisors. Dr Sarah Robinson. Postgraduates will be registered with the Department of Plant Sciences, School of Biological Sciences (University of Cambridge). [Read more](#)

Supervisors: Prof S Schornack, Dr S Robinson

Engineering plant rubisco enzymes through high-throughput enzyme assays and cryo-EM (Plant BioDesign Cambridge project)

Lead supervisor: Assoc Prof Noam Prywes. Co-supervisors. Dr Johannes Kromdijk and Dr Michael Webster. Postgraduates will be registered with the Department of Biochemistry, School of Biological Sciences (University of Cambridge). [Read more](#)

Supervisors: Assoc Prof N Prywes, Dr J Kromdijk, Dr M Webster

Designing photoprotection in future crops (Plant BioDesign Cambridge project)

Lead supervisor: Dr Johannes Kromdijk. Co-supervisors. Prof Julian Hibberd and Prof Luke Mackinder. Postgraduates will be registered with the Department of Plant Sciences, School of Biological Sciences (University of Cambridge). [Read more](#)

Supervisors: Dr J Kromdijk, Prof J Hibberd, Prof L Mackinder

Genetic circuits for plant engineering biology (Plant BioDesign Cambridge project)

Lead supervisor. Prof Julian Hibberd. Co-supervisors. Dr Johannes Kromdijk and Prof Yiliang Ding. Postgraduates will be registered with the Department of Plant Sciences, School of Biological Sciences (University of Cambridge). [Read more](#)

Supervisors: Prof J Hibberd, Dr J Kromdijk, Prof Y Ding

Rapidly Unlocking Plant Chemistry Using Evolution and Engineering (Plant BioDesign York project)

Lead supervisor: Dr Benjamin Lichman. Co-supervisors. Prof Ian A Graham. Postgraduates will be registered with the Department of Biology (University of York). [Read more](#)

Supervisors: Dr B Lichman, Prof I A Graham

Engineering plant immune responses (Plant BioDesign JIC project)

Lead supervisor: Prof Christine Faulkner. Co-supervisors. Prof Antony Dodd and Dr Daphne Ezer. Postgraduates will be registered with the School of Biological Sciences (University of East Anglia) for John Innes Centre. [Read more](#)

Supervisors: Prof C Faulkner, Dr A Dodd, Dr D Ezer

SynProm: Fast, Modular Spatio-Temporal Transcriptional Reporters for Plants (Plant BioDesign Bristol project)

Lead supervisor: Dr Pierre Buscaill. Co-supervisors. Dr Thomas Gorochofski. Postgraduates will be registered with the School of Biological Sciences (University of Bristol). [Read more](#)

Supervisors: Dr P Buscaill, Dr T Gorochofski

Optimising a platform for RNA delivery in plants (Plant BioDesign Bristol project)

Lead supervisor: Dr Heather Whitney. Co-supervisors. Prof Thomas Gorochofski, Prof Carmen Galan, Dr Jon Lees, Dr Robert Harniman. [Read more](#)

Supervisors: Dr H Whitney, Dr T Gorochofski, Prof C Galan, Dr J Lees, Dr R Harniman

Plant root bioengineering for sustainable agriculture (Plant BioDesign Bristol project)

Lead supervisor: Prof Claire Grierson. Co-supervisors. Prof Jill Harrison. Postgraduates will be registered with the School of Biological Sciences (University of Bristol). [Read more](#)

Supervisors: Prof C Grierson, Prof J Harrison

AI RNA Design for Developing Antiviral Solutions in Sugar Beet (Plant BioDesign JIC project)

Lead supervisor: Prof Yiliang Ding. Co-supervisors. Assoc Prof Betty Chung. Postgraduates will be registered with the School of Biological Sciences (University of East Anglia) for John Innes Centre. [Read more](#)

Supervisors: Prof Y Ding, Dr B Chung

Genetic circuits for plant engineering biology (Plant BioDesign York project)

Lead supervisor: Prof Luke Mackinder. Co-supervisors. Dr Michael Plevin and Assoc Prof Noam Prywes. Postgraduates will be registered with the Department of Biology (University of York). [Read more](#)

Supervisors: Prof L Mackinder, Dr M Plevin, Assoc Prof N Prywes

Designer lettuce: re-wiring defence networks to engineer disease resistance (Plant BioDesign York project)

Lead supervisor: Prof Katherine Denby. Co-supervisors. Dr Benjamin Lichman, Dr Nicola Patron and Prof Richard Morris. Postgraduates will be registered with the Department of Biology (University of York). [Read more](#)

Supervisors: Prof K Denby, Dr B Lichman, Dr NJP Patron, Prof R Morris

Programming green algae for the production of omega-3 fatty acids and wax (Plant BioDesign York project)

Lead supervisor: Dr Thierry Tonon. Co-supervisors. Dr Charlotte Walker. Postgraduates will be registered with the Department of Biology (University of York). [Read more](#)

Supervisors: Dr T Tonon, Dr C Walker

Redesigning the Meiotic Map: Chromosome Engineering as a Tool to Control Genetic Recombination (Plant BioDesign JIC project)

Lead supervisor: Dr Chris Morgan. Co-supervisors. Prof Martin Howard and Prof Ian Henderson. Postgraduates will be registered with the School of Biological Sciences (University of East Anglia) for John Innes Centre. [Read more](#)

Supervisors: Dr C Morgan, Prof M Howard, Prof I Henderson

Year-Round Beet: engineering a controllable flowering switch (Plant BioDesign York project)

Lead supervisor: Prof Seth Davis. Co-supervisors. Dr Andrea Harper and Dr Jessica Hargreaves. Partnership. KWS UK Ltd. Postgraduates will be registered with the Department of Biology (University of York). [Read more](#)

Supervisors: Prof S J Davis, Dr A Harper, Dr J Hargreaves