

Research groups within the theme

[Professor Chris Franklin's \(/staff/profiles/biosciences/franklin-chris.aspx\)](/staff/profiles/biosciences/franklin-chris.aspx) research focuses on the control of recombination during meiosis in Arabidopsis and crop species.

[Professor Noni Franklin-Tong's \(/staff/profiles/biosciences/franklin-tong-noni.aspx\)](/staff/profiles/biosciences/franklin-tong-noni.aspx) research group studies the mechanism of self-incompatibility (SI) and its control of pollination.

[Dr Sue Armstrong's \(/staff/profiles/biosciences/armstrong-sue.aspx\)](/staff/profiles/biosciences/armstrong-sue.aspx) research interests are genome evolution and meiosis, focusing on the control of meiotic chromosome pairing in model plants and crops.

[Dr George W. Bassel \(/staff/profiles/biosciences/bassel-george.aspx\)](/staff/profiles/biosciences/bassel-george.aspx) investigates how plant cells decide whether or not to grow, and what genes are used to drive cellular growth.

[Dr Eugenio Sanchez-Moran \(/staff/profiles/biosciences/sanchez-moran-eugenio.aspx\)](/staff/profiles/biosciences/sanchez-moran-eugenio.aspx) works on chromatin structure and chromosome dynamics in Arabidopsis.

[Professor Brian Ford-Lloyd \(/staff/profiles/biosciences/ford-lloyd-brian.aspx\)](/staff/profiles/biosciences/ford-lloyd-brian.aspx) key research interest is the application of genetics and genomics to biotic and abiotic stress

[Dr Lindsey Leach \(/staff/profiles/biosciences/leach-lindsey.aspx\)](/staff/profiles/biosciences/leach-lindsey.aspx) research involves statistical genetics and bioinformatics approaches in the quest to understand the genetic basis of trait variation in diploids and polyploids (species with multiple copies of the genome)

[Dr Jeremy Pritchard \(/staff/profiles/biosciences/pritchard-jeremy.aspx\)](/staff/profiles/biosciences/pritchard-jeremy.aspx) is focussed on understanding the molecular mechanisms and physiology of biotic and abiotic stress.

[Professor Zewei Luo \(/staff/profiles/biosciences/luo-zewei.aspx\)](/staff/profiles/biosciences/luo-zewei.aspx) is an expert in the field of Statistical Genetics. His research is focused on the genetics of quantitative traits through theoretical and empirical approaches.

[Dr Juliet Coates \(/staff/profiles/biosciences/coates-juliet.aspx\)](/staff/profiles/biosciences/coates-juliet.aspx) research is focussed of plant evolution and development using of a wide range of plants for example Arabidopsis, Physcomitrella, Sellaginella, rice and also algae.

[Professor Jim Callow \(/staff/profiles/biosciences/callow-james.aspx\)](/staff/profiles/biosciences/callow-james.aspx) studies marine algae, with a focus on bioadhesion (how algal cells interact with and adhere to surfaces).

[Dr Maureen Callow \(/staff/profiles/biosciences/callow-maureen.aspx\)](/staff/profiles/biosciences/callow-maureen.aspx) is investigating the role of marine algae in biofouling and the development of methods to prevent it.

[Dr Nigel Maxted's \(/staff/profiles/biosciences/maxted-nigel.aspx\)](/staff/profiles/biosciences/maxted-nigel.aspx) research focuses on plant genetic conservation. He is particularly involved in the conservation of species of socio-economic value.