University of Birmingham

Staff within the research theme

Dr Sue Armstrong (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=8814&Name=dr-sue-armstrong)

Senior Lecturer

My interests are focused on genome evolution and meiosis in both model plants and crops. In 1995 I setup a molecular cytogenetics laboratory with my colleague Paul Fransz (now at University of Amsterdam) and with advice from our colleague Gareth Jones. In the last 15 years we have trained many European colleagues and last year we were awarded a European collaborative project to investigate ...

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Dr George W. Bassel (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=38785&Name=dr-george-w.-bassel)

Birmingham Fellow

(/university/colleges/les/research-gallery/george-bassel.aspx) George Bassel was appointed as a Birmingham Fellow in 2012. His group focuses on understanding how genes change the shape of plant cells. Using seed germination as a model system, Dr. Bassel is uncovering gene regulatory networks that control cell shape changes, and how these networks are influenced be the environment.

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Professor Jim Callow (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=4314&Name=professor-jim-callow)

Emeritus Professor of Botany

Professor Callow is a leading international authority on the study of marine algae, with a focus on bioadhesion (how algal cells interact with and adhere to surfaces). In recent years the emphasis has been on interdisciplinary, collaborative investigations into the interactions between algal cells and micro/nanostructured materials, including those with 'biomimetic' implications, an area ...

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Dr Maureen Callow (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=5142&Name=dr-maureen-callow)

Honorary Senior Research Fellow

Maureen Callow is a leading expert in the area of biofouling (deterioration of artificial surfaces through the attachment of organisms), in particular fouling of ships' hulls by algae. In recent years, research has focussed on understanding the processes of settlement and adhesion of algal cells to environmentally benign antifouling coatings, through collaborations with chemists and surface ...

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Dr Juliet Coates (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=4301&Name=dr-juliet-coates)

Senior Lecturer in Plant Molecular Genetics
Royal Society Leverhulme Trust Senior Research Fellow 2013-14

My research interest is in understanding development and evolution, particularly in plants. I run a small research group who work primarily with moss, *Arabidopsis*, seaweeds and microalgae; we also grow liverworts, spikemoss and grasses. We use molecular genetics, cell biology, developmental biology and 'omics approaches to understand gene and protein function in these systems.

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Professor Brian Ford-Lloyd (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=3926&Name=professor-brian-ford-lloyd)

Emeritus Professor

His chosen research area includes the study of the natural genetic variation in plant populations and agricultural plant genetic resources and their conservation.

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Professor Chris Franklin (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=5344&Name=professor-chris-franklin)

Professor of Plant Molecular Biology
Deputy Head of School of Biosciences

Chris Franklin is a leading expert on meiosis in plants. Work in his laboratory has made a major contribution to the understanding of how meiotic recombination is controlled in the model plant *Arabidopsis thaliana*. This knowledge is currently being transferred to crop species where the ability to modify genetic recombination will help plant breeders develop the new varieties that will be needed ...

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Professor Noni Franklin-Tong (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=9723&Name=professor-noni-franklin-tong)

Emeritus Professor of Plant Cell Biology
Research Fellow

Noni Franklin-Tong's research focuses on the cellular mechanisms involved in the model cell-cell recognition system of self-incompatibility (SI) in *Papaver rhoeas*(the Field Poppy). She is recognized at an international level for her work in the field of plant cell biology. Specifically she has made major contributions to the field of self-incompatibility, a field that has high ...

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Dr Daniel Gibbs (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=69389&Name=dr-daniel-gibbs)

Birmingham Fellow

Daniel joined the University of Birmingham in 2013 as a Birmingham Fellow. His research centres on investigating how plants sense and respond to their environment, with a particular focus on the role that targeted protein degradation plays during plant growth, development and stress response.

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Dr Lindsey Jane Leach (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=34326&Name=dr-lindsey-jane-leach)

Birmingham Fellow

(/university/colleges/les/research-gallery/lindsey-leach.aspx) Dr Leach joined the University of Birmingham as a Birmingham Fellow in 2012 and is based in the Plant Genetics and Cell Biology group in the School of Biosciences. Her work involves using statistical genetics and bioinformatic approaches to dissecting the genetic architecture of quantitative trait variation.

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Professor Zewei Luo (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=9229&Name=professor-zewei-luo)

Professor of Statistical Genetics and International Student Tutor

Professor Zewei Luo is one of the world's foremost experts in the field of Statistical Genetics. Research of his team has been focused on genetics of quantitative traits through theoretical and empirical approaches.

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Dr Nigel Maxted (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=5400&Name=dr-nigel-maxted)

Senior Lecturer in Genetic Conservation

Nigel Maxted is a Senior Lecturer in Plant Genetic Conservation, with specific expertise in *in situ* and *ex situ* conservation techniques.

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Dr Jeremy Pritchard (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=9728&Name=dr-jeremy-pritchard)

Senior Lecturer
Head of Education, School of Biosciences
Birmingham University Teaching Fellow (BUTF)

I am a senior lecturer in Biology at the University of Birmingham. My research career started with roots in Wales and currently focuses on aphids in Birmingham with stops in the USA, New Zealand and Europe in between. My teaching spans field ecology through to plant functional genomics.

As a card-carrying Darwinist I am involved in teaching evolution at ...

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Dr Eugenio Sanchez-Moran (/research/activity/plant-genetics-cell-biology/staff/profile.aspx?ReferenceId=9667&Name=dr-eugenio-sanchez-moran)

Lecturer

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