

## Academic staff in the School of Biosciences

### Head of School

#### [Professor Steve Busby \(/schools/biosciences/staff/profile.aspx?ReferenceId=5078&Name=professor-steve-busby\)](/schools/biosciences/staff/profile.aspx?ReferenceId=5078&Name=professor-steve-busby)

Professor of Biochemistry  
Head of School

School of Biosciences

Research in Steve Busby's lab is concerned with understanding the molecular mechanisms that control gene expression in bacteria, with particular attention to studying the regulation of transcription initiation in *Escherichia coli*. Much of the recent work has focussed on the expression of virulence determinants in pathogenic strains.

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### Academic staff

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#### [Dr Lindsey Jane Leach \(/schools/biosciences/staff/profile.aspx?ReferenceId=34326&Name=dr-lindsey-jane-leach\)](/schools/biosciences/staff/profile.aspx?ReferenceId=34326&Name=dr-lindsey-jane-leach)

Birmingham Fellow

School of Biosciences



[\(/university/colleges/les/research-gallery/lindsey-leach.aspx\)](/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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#### [David Lee \(/schools/biosciences/staff/profile.aspx?ReferenceId=75476&Name=david-lee\)](/schools/biosciences/staff/profile.aspx?ReferenceId=75476&Name=david-lee)

Teaching and Research Fellow

School of Biosciences

Dr Lee's research focuses on the regulation of gene expression in bacteria, with particular interest in understanding how the organized bacterial chromosome impacts on, and is impacted by, transcription events. In addition, he is interested in how horizontally acquired genes, particularly transcription factors, impact upon gene expression.

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#### [Dr Julia Lodge \(/schools/biosciences/staff/profile.aspx?ReferenceId=9659&Name=dr-julia-lodge\)](/schools/biosciences/staff/profile.aspx?ReferenceId=9659&Name=dr-julia-lodge)

Senior lecturer

School of Biosciences

As Head of the Biological Sciences Programmes I am responsible for the overall shape of the degree programme. I am also the Masters Programmes coordinator for the School of Biosciences.

My main academic interests are in Microbiology and Molecular Biotechnology. I teach microbiology, focusing on bacteria and their role in human health and disease.

One of my other ...

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#### [Dr Andrew Lovering \(/schools/biosciences/staff/profile.aspx?ReferenceId=9660&Name=dr-andrew-lovering\)](/schools/biosciences/staff/profile.aspx?ReferenceId=9660&Name=dr-andrew-lovering)

Lecturer

School of Biosciences

I am a recently appointed lecturer and my research interests involve utilising structural biology (and related techniques) to investigate protein function – many of these projects involve the unusual predatory bacterium *Bdellovibrio*; see "Research" below and be enthused!

Here is a link to a presentation at an EMBO meeting discussing our general ...



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**[Dr Pete Lund \(/schools/biosciences/staff/profile.aspx?Referenceld=9661&Name=dr-pete-lund\)](/schools/biosciences/staff/profile.aspx?Referenceld=9661&Name=dr-pete-lund)**

Reader in Molecular Microbiology

School of Biosciences

Research in our group focusses on stress responses, using prokaryotes as model systems, and using a range of appropriate methods to understand both the mechanistic details and the adaptive significance of different aspects of organismal responses to stress. We have specific interests in molecular chaperones and in acid stress responses, and also a more general interest in methods ...

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Professor of Statistical Genetics and International Student Tutor

School of Biosciences

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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