

Name	Research Area	Contact Email
<b>John Chad</b>	Biomedical Sciences	<a href="mailto:Jchad@soton.ac.uk">Jchad@soton.ac.uk</a>
<p>John Chad is a Professor of Neuroscience at CfBS, and a member of IfLS and SoNG. Currently he is Manager for the Biomedical Sciences BSc and MBiomedSci taught programmes. In 2002 he co-founded Capsant Neurotechnologies Ltd. commercialising research into neurodegenerative diseases. His background includes research as a Faculty Research Biologist at UCLA (1978-85) studying neuronal calcium signalling, and research at the Sandoz Institute for Medical Research (1985-1986). His research interests include the application of optics to neuroscience, control of neuronal excitability, neurodegeneration, neuronal self-organisation and neurocomputation. Current cross-disciplinary collaborations include the Nanoscope project with colleagues in the IfLS &amp; ORC, and the Biologically Inspired Massively Parallel Architectures project with colleagues in ECS.</p>		
<b>Mark Chapman</b>	Ecology and Evolution	<a href="mailto:M.Chapman@soton.ac.uk">M.Chapman@soton.ac.uk</a>
<p><i>One stop mentoring topics: Achieving work/life balance; Mentoring for improving your teaching; Mentoring in grant writing; Mentoring in academic research; Gaining a higher level of HEA Fellowship.</i></p> <p>I study genetics and genomics of adaptation, speciation and domestication. Broadly I am interested in evolutionary processes in all taxa and at all levels of organisation, from whole ecosystems down to individuals genes. After my PhD in St. Andrews I moved to the US where I was a postdoc for 2 years in Nashville, TN and then the lab moved to Athens, GA where I worked for 3 more years. I returned to the UK in 2011 for a postdoc in Oxford and then moved to Southampton in June 2013 to start my lectureship. I am co-supervising students here and have experience working with undergraduates, PhD students and postdocs. I have published in some top tier journals (Science, PLoS Genetics) and am working now to secure funding from RCUK.</p>		
<b>Mark Coldwell</b>	Molecular and Cellular Biology	<a href="mailto:M.Coldwell@soton.ac.uk">M.Coldwell@soton.ac.uk</a>
<p>Throughout my research career, I have been investigating eukaryotic post-transcriptional control, in particular the initiation phase of translation, a central part of gene expression. After completing my PhD in Biochemistry at the University of Leicester in 2000 I worked as a postdoctoral fellow at the University of Sussex and was appointed as a Lecturer in Biochemistry at the University of Southampton in 2008. Since being appointed as a Principal Investigator, I have been applying my knowledge and skills in molecular biology and biochemistry gained from working in this field to examine how isoforms of proteins are produced from alternative translation initiation codons. This work will advance our understanding of gene expression and in some cases may provide the basis for the development of novel approaches to identifying biomarkers of disease. The work has so far benefitted from two rounds of BBSRC funding, the first in the form of a New Investigator Research Grant. While I have never benefitted from a formal mentoring process myself, I have certainly used colleagues informally at various stages of my career to sound out ideas and seek advice. Furthermore, I have often informally supported the development of junior colleagues, both in research and teaching activities.</p>		
<b>Katrin Deinhardt</b>	Biomedical Sciences	<a href="mailto:K.Deinhardt@soton.ac.uk">K.Deinhardt@soton.ac.uk</a>
<p>I am a neuronal cell biologist, who recently started her first independent position as a lecturer here at the CfBS in March 2013. I received my undergraduate degree (Biochemistry) from the Free University of Berlin, my PhD in Cell Biology from UCL/ University of London, and until recently worked as a postdoc in the Molecular Neuroscience department at the Skirball Institute, New York University. Good publications from these positions enabled me to secure EMBO and HFPS long-term fellowships to support my postdoctoral work in New York, and more recently a New Investigator Award from the BBSRC to kick-start my own research here in Southampton. When looking to transition to independence I applied for jobs and</p>		

interviewed in the States and Europe, and since have shared these experiences with many colleagues. I am reviewing applications for postdoctoral funding and independent positions on a regular basis, both for friends and colleagues as well as the ASCB CV review assistance service. I am a member of the Athena Swan committee.

<b>Patrick Doncaster</b>	Population Ecology	<a href="mailto:C.P.Doncaster@soton.ac.uk">C.P.Doncaster@soton.ac.uk</a>
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*One stop mentoring topics: Mentoring for improving your teaching; Mentoring in academic research.*

I am a population ecologist with interests in evolutionary ecology, community ecology, and biodiversity conservation. Before joining Southampton in 1995, I held post-doctoral positions in France (CEBC-CNRS, and Université Pierre et Marie Curie, Paris) and at the University of Oxford Zoology Department, involving fieldwork on mammalian and avian ecology. My research publications from Southampton include outputs from a long-term programme of fieldwork that I have led on large-felid ecology and conservation in Belize, and papers from studies with colleagues, post-doctoral researchers and post-graduate students on the evolution of sexual reproduction, senescence and altruism. I teach ecology, conservation, and statistics at undergraduate and postgraduate level. I am Associate Editor of the journal Acta Oecologica, and was a member of the NERC college from 2008 to 2012, reviewing and allocating grant funding. I was CfBS Integrity Officer from 2007 to 2012. Since 2012 I have been academic line manager of between 5 and 9 colleagues in the Environmental Biosciences theme of CfBS, and member of the CfBS panel preparing our REF 2014 submission.

<b>Declan Doyle</b>	Biomedical Sciences	<a href="mailto:d.a.doyle@soton.ac.uk">d.a.doyle@soton.ac.uk</a>
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<b>Felix Eigenbrod</b>	Environmental Biosciences	<a href="mailto:F.Eigenbrod@soton.ac.uk">F.Eigenbrod@soton.ac.uk</a>
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I am a spatial ecologist broadly interested in understanding how human-induced land use changes affect ecosystem services and biodiversity. I am particularly interested in quantifying the often complex interactions between biodiversity, society and ecosystem services, and at identifying the spatial and temporal scales at which tradeoffs and interactions occur. In my research I use GIS and statistical techniques to take advantage of existing environmental and biological datasets, and increasingly collaborate with specialists from other fields (such as geography, economics, hydrology, agriculture, human health) to fully understand the processes underlying the wide range of ecosystem services used by humans.

My formal mentoring experience to date (since my appointment in 2010) is through my role as a line manager of two postdocs (Dr Rob Holland and Dr Simon Willcock) and as a primary supervisor for two PhD students (Emma Brooks and Jing-lun Huang). I have also done a fair amount of informal mentoring of PhD students while a lecturer and also as a postdoctoral researcher at the University of Sheffield.

<b>Rob Ewing</b>	Biomedical Sciences	<a href="mailto:Rob.Ewing@soton.ac.uk">Rob.Ewing@soton.ac.uk</a>
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My work lies at the intersection of computer science and experimental biology, where I use techniques drawn from both of these disciplines to decipher protein-protein interaction networks. In particular, my interest is to understand how protein-protein interaction networks are altered in cancer. After obtaining a D.Phil in molecular genetics from the University of Oxford, I moved into the field of bioinformatics and computational biology - with postdoctoral stints at the CNRS in France and at the Carnegie Institute of Washington / Stanford University in California. I then worked as a bioinformatics scientist at a medium-size genomics company (Incyte Genomics) in California and a smaller proteomics company (Protana) in Toronto, Canada. I have also co-founded a small company focusing on development of software to support proteomics analyses. As an academic, I have spent 5 years as Assistant Professor at Case Western Reserve University in Ohio and have been in Southampton since 2013. I have experienced varied scientific environments - and will be happy to provide guidance on how to transition from academia

to industry and back again. I also served on a panel in 2010 at Case Western in 2010 seeking to improve mentoring across the university.

<b>Tom Ezard</b>	Environmental Biosciences	<a href="mailto:T.Ezard@soton.ac.uk">T.Ezard@soton.ac.uk</a>
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I'm interested in how the structure of things affects their ecological and evolutionary dynamics. I most often study in individuals, populations, communities and the links among them. I completed a PhD at Imperial College London in 2007, then spent 5 years PostDoc'ing at Imperial College London and the University of Surrey working with macroecologists, mathematicians, palaeontologists, demographers and evolutionary biologists. I spent a substantial amount of that time writing and revising Fellowship applications and, at the 10th and 11th time of asking, won a Leverhulme Early Career and NERC Advanced Research Fellowship to research the bridge between micro- and macroevolution, i.e. how variation among individuals generates variation among species. I'm a member of the British Ecological Society Grant Review Panel and have reviewed grants for NERC and ESRC.

<b>Tom Fleming</b>	Developmental Biology	<a href="mailto:T.P.Fleming@soton.ac.uk">T.P.Fleming@soton.ac.uk</a>
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I graduated in Zoology from University of Wales (1972) and obtained my PhD from University of London (1979) and then was a postdoc at University of Keele until 1981 and then Senior Research Associate at Cambridge before moving to Southampton in 1988. My research group work in reproductive and developmental biology with a major focus on early development in mice, both the classical questions around molecular, cellular and physiological mechanisms of embryo morphogenesis and also how the environment (maternal diet, sickness; IVF technologies) may affect embryo potential across the lifespan including adult health and disease risk. We use a broad range of lab techniques from molecular to imaging. I've had good funding from RCUK and elsewhere over many years and been an editor of journal and served on many grant and promotion panels plus being academic head of dept. I've had good experience of mentoring PGR and PD Fellows over the decades! I feel I have a good grasp of PD needs to succeed and make a mark (publications; conferences etc) but in a friendly and encouraging environment. Have always encouraged some teaching for Fellows to strengthen their CVs. Happy to chat to anyone on any issue you may wish to air, and in confidence as necessary.

<b>Jane Gibson</b>	Genomics and Bioinformatics	<a href="mailto:J.Gibson@soton.ac.uk">J.Gibson@soton.ac.uk</a>
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*One stop mentoring topics: Mentoring for improving your teaching; Mentoring in academic research*

My background is in genetics and bioinformatics, I began with a BSc in Genetics at the University of Leeds, and then undertook an MSc in Biosystems and Informatics at the University of Liverpool. I worked as a research assistant in the School of Medicine at the University of Southampton for two years before beginning my PhD, which I completed part time. After several postdocs and a career track fellowship, I was appointed as a Lecturer in the Centre for Biology in 2013. I have a strong publication record in collaborative research and have completed the PGCAP programme

<b>Keith Jones</b>	Biomedical Sciences	<a href="mailto:K.T.Jones@soton.ac.uk">K.T.Jones@soton.ac.uk</a>
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I am a reproductive cell biologist, who worked in a couple of postdoc positions in London (St George's Hospital Medical School, then UCL) in the mid-1990s. After 5 years postdoc'ing I got a lectureship in the department of Physiological Sciences in Newcastle-upon-Tyne, where I stayed for 10 years. I headed a small group of researchers there, and our work was very successful. We had continual funding from the Wellcome Trust and got a few papers into some top flight journals including 3 into Nature Cell Biology. In 2008 I left to go to Newcastle Australia, where I became head of division of Physiology, and Chair of Research. I also became a panel member of the Biological Sciences committee for the Australian Research Council, which reviewed ~1000 grants and fellowships per year. My department was very keen on mentoring, and I helped set up a mentoring programme for Early Career Researchers, and was a mentor

for the University's Women in Leadership program (aimed to help women at all stages of their career). I'm a member of Biological Sciences Athena Swan committee.

<b>Lex Kraaijeveld</b>	Ecology & Evolution	<a href="mailto:A.R.Kraaijeveld@soton.ac.uk">A.R.Kraaijeveld@soton.ac.uk</a>
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*One stop mentoring topics: Mentoring for improving your teaching; Mentoring in academic research.*

I'm an evolutionary ecologist, interested in the interaction between ecological and evolutionary processes. My main research is focused on the evolution of resistance and counter-resistance using *Drosophila* as a model system. I did my PhD in Leiden, in the Netherlands, and then came to Britain for a postdoc at Imperial College. One postdoc led to another and yet another, until I came to Southampton as a lecturer in January 2006. At Southampton, I am responsible for two of the BSc programmes, and (part-) responsible for three Masters programmes. My mentoring experience is mostly at the undergraduate and postgraduate (PhD) level.

<b>Amrit Mudher</b>	Neuroscience	<a href="mailto:A.Mudher@soton.ac.uk">A.Mudher@soton.ac.uk</a>
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After my PhD in 1998, I joined the Institute of Psychiatry in London for a post-doctoral position. I then acquired an independent fellowship from the Alzheimer's Society in 2001 which enabled me to collaborate with a Southampton based group to set up a novel model. In 2004 I was offered a lectureship in Southampton and have remained here since. Over the course of the last ten years I have experienced the journey from being an early career scientist to becoming an independent scientist in my own right. In this time I also got married and had two children. I have tried to maintain a work-life balance whilst building a small research group and publishing good impact papers in respectable journals. I have also started to establish myself in grant panels and editorial boards of scientific journals. I have informally mentored many individuals along the way, including PhD students and early career post-docs. In my capacity as Schools Liaison officer, I often find myself advising A-level students about career prospects in Biomedical Sciences. More recently I have become a committee member of Athena Swan.

<b>Phil Newland</b>	Neuroscience and Ecology camps	<a href="mailto:P.L.Newland@soton.ac.uk">P.L.Newland@soton.ac.uk</a>
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I am a Zoologist who graduated from the University of Glasgow in 1981 where I also studied for a PhD in Neuroethology. I then had the opportunity to study as an independent research fellow funded by the Japan Society for the Promotion of Science at Hokkaido University in Japan on the neural basis of crayfish equilibrium behaviour. I found my way to England in 1988 as a senior research associate at Cambridge University analysing the integrative properties of neuronal circuits in arthropods before joining the University of Southampton in 1997 as a BBSRC Advanced Research Fellow. I have been fortunate to be mentored by a number of people who have helped guide me through my career and I hope I have passed on that invaluable advice to postdocs and PhD students I have mentored in Cambridge and Southampton, and academic staff at Southampton.

<b>Vincent O'Connor</b>	Biomedical/Neurosciences/ Molecular and Cellular	<a href="mailto:voconno@soton.ac.uk">voconno@soton.ac.uk</a>
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Neurochemist (Brain Biochemist)

I am a neurochemist with expertise in molecular, biochemical and cell biological techniques. These underpin investigations that involve integrated approaches involving model organisms that range from *C.elegans* to mouse. I trained at UCL before obtaining a number of fellowships and subsequent grants that sustained a 6 year stay at the Max Planck Institute for Brain Research in Frankfurt. I made a strategic decision to return to a post-doctoral position at the National Institute for Medical Research in the UK which I used as a platform to obtain an independent position at Southampton. I have been lucky to have been mentored by colleagues that encouraged my energies and interests and most importantly garnered me with opportunity and responsibility that progressed my science and my professional profile towards

independence. I arrived in Southampton in 2000 and have progressed on the back of a balanced portfolio of research and teaching to a personal chair.

**Hugh Perry** Neuroscience [V.H.Perry@soton.ac.uk](mailto:V.H.Perry@soton.ac.uk)

Professor Hugh Perry MA DPhil FMedSci

Hugh Perry was appointed Professor of Experimental Neuropathology at the University of Southampton in 1998. His research interests are in the field of interactions between the immune system and nervous system, and in particular how systemic infection and inflammation play a role in driving the progression of neurodegenerative disease. He has published more than 300 peer-reviewed papers. He has sat on research advisory and funding panels for a number of different groups and chaired the Cellular and Molecular Neuroscience panel of the Wellcome Trust 2004-2007. He has acted as a consultant for biotechnology and pharmaceutical companies in the area of neuroinflammation and neurodegenerative disease. He was elected a Fellow of the Academy of Medical Sciences (2005), was Deputy Chair of the Nuffield Council on Bioethics (2010-2012) and recipient of a Royal Society Wolfson Research Merit Award (2011). He is currently Chair of the MRC Neurosciences and Mental Health Board. He acted as mentor to more than 25 postdocs and 25 postgraduate students who have worked in his laboratory as well as a number of ECR from outside his own laboratory.

**Gail Taylor** Environment and Ecology [G.Taylor@soton.ac.uk](mailto:G.Taylor@soton.ac.uk)

I am a female Professor in a scientific discipline – I was the first female Professor of Biology at Southampton University and the first to take maternity leave when a lecturer in Biological Sciences at Sussex University. These are not the ‘firsts’ that I would like to define my career (!) but they do paint a picture of how females struggle to develop as PIs and reach the most senior leadership positions in science in UK universities. The statistics have not improved much over the past twenty years, during my career, but hopefully things are now moving in the right direction to ensure a better playing field for women in the future. I was appointed to lead my own group in a permanent post at the age of 27, and since then have been researching the ways in which plants interact with their environment from molecular and cellular events through to ecosystem functioning. I particularly enjoy working across scales in science and also in the innovation chain in the more applied aspects of my research. During the past 25 years, I have held many positions of responsibility, both as university posts (currently Director of Research in Biological Sciences) and also in the external environment, including journal editorships, national and international grant review panels, institute review panels and subject expert panels. I interact widely with a group of collaborating scientists across the world, particularly in developing poplar as a model tree, the first to be sequenced and more recently in using this tree as a source sustainable bio-resources.

**Jessica Teeling** [J.Teeling@soton.ac.uk](mailto:J.Teeling@soton.ac.uk)

*One stop mentoring topics: Enterprise*

**Matthew Terry** Plant Biology [M.J.Terry@soton.ac.uk](mailto:M.J.Terry@soton.ac.uk)

I am a cell biologist working on the cellular signalling mechanisms controlling chloroplast development and communication from the chloroplast to the nucleus. Following the completion of my PhD, I was a postdoc at UC Davis, California and then at RIKEN, Japan as part of their Frontier Research program. I returned to Southampton as Royal Society University Research Fellow in the 1995. Having independent funding allowed me to establish my own research group and I have since been successful in getting funding from the BBSRC, NERC, and the Carbon Trust among others, as well as publishing multiple papers in PNAS, The Plant Cell and other leading plant journals. During this time I have also worked as a visiting scientist at Yale University and Iwate Biotechnology Research Center in Japan. I have extensive experience in reviewing grants and papers, as well as conference organising and post-graduate examination. Current



roles include Head of Research Facilities where I am line manager of the experimental officers and external examiner for the Biological Sciences undergraduate programme at Royal Holloway College. I was also line manager of independently-funded research fellows in Biological Sciences from 2006-12. I believe independent support and advice can be very valuable at the early stages of a career and I am only too happy to help.

**Mariana Vargas-Caballero** Biological Sciences [m.vargas-caballero@soton.ac.uk](mailto:m.vargas-caballero@soton.ac.uk)

I am a Neuroscientist with expertise in the area of electrophysiology. My research focuses on neuronal mechanisms of memory. I am from Mexico, where I obtained a BSc in Biology. I did my PhD at the University of Cambridge, and I was then awarded a Wellcome Trust Postdoctoral Fellowship, which allowed me to work in two research groups in North America: one at UC Berkeley and, one at the University of Toronto advancing my training in cellular neuroscience. Furthermore, this Fellowship supported my return to the UK where I joined the laboratory of Prof. Ole Paulsen at the University of Oxford as a senior postdoctoral fellow where I had the opportunity to train students and postdocs in the study of neuronal plasticity. With a new Fellowship from the Wellcome Trust focusing on bench-to-clinic research, I gained further training in behavioural techniques to study memory in Alzheimer's Disease models. I joined the IfLS at the University of Southampton as a Research Career Track Lecturer in Nov 2012. My laboratory focuses on multi-level analysis of memory processes to understand how dementia starts in the brain. Since joining the IfLS I have obtained funding for equipment and two PhD Studentships.

**Jeremy Webb** Microbiology [J.S.Webb@soton.ac.uk](mailto:J.S.Webb@soton.ac.uk)

I am a microbiologist and lead the 'Biofilms and Microbial Communities' multidisciplinary research theme within IfLS. I also lead the Graduate School for CfBS and chair the Graduate Schools Committee for FNES. After my PhD at the University of Manchester I was successful in obtaining a series of fellowship awards from the Leverhulme Trust UK, The Australian Research Council, and BBSRC (David Phillips Fellowship Award). This body of work has led to a number of environmental and clinical applications in the area of biofilm control, and the filing of three patents. I have chaired and hosted 2 international conferences in biofilm research and am frequently invited to the organisation committees of international biofilm meetings. Within CfBS I'm a member of the Athena Swan, REECh and Proteomics Committees. Externally I am a member of the Policy Committee for the Society for General Microbiology, and Treasurer for the International Biodeterioration and Biodegradation Society.

**Joern Werner** Biological NMR [J.M.Werner@soton.ac.uk](mailto:J.M.Werner@soton.ac.uk)

**Jonathan West** Biomedical Sciences [J.J.West@soton.ac.uk](mailto:J.J.West@soton.ac.uk)

My background combines biomedicine with engineering and analytical chemistry with experience in both academic and commercial sectors in institutes in Ireland, UK and Germany. After a degree in Medical Biology at Edinburgh, I went on to do a PhD on microsystems for genetic diagnostics at the National Microelectronics Research Centre in Cork. This was followed by 3 years at the Institute for Nanotechnology Exploitation in Newcastle, with activities including the supervision of postgraduate students, consultancy and R&D for clients. In 2006 I returned to academia, moving to the Miniaturisation Group at ISAS in Dortmund to develop my bioanalytics research theme. By 2010 I was group leader with a team of 3 PhDs, a post-doc and a technician. In 2012 I moved to Southampton to set-up a new team with research focussed on single cell analytics. Metrics: over 1000 citations, h-index=15, >£2M in funding, 3 patents, supervised 5 PhDs and 5 MScs to completion, and I help to run NanoBioTech, Europe's premiere conference on nano-/microtechnologies for the Life Sciences. I'm volunteering myself as a mentor as I'm keen to support junior colleagues through the growing pains of a career in science.

**Herman Wijnen** Molecular and Cellular Biosciences' [H.Wijnen@soton.ac.uk](mailto:H.Wijnen@soton.ac.uk)

After obtaining an MSc in Biomedical Sciences from Leiden University in the Netherlands I moved to the United States in 1993, where I spent much of my career and gained much of my perspective on mentoring students and postdocs. First, I carried out my doctoral dissertation research in yeast cell cycle genetics with Bruce Futcher at Cold Spring Harbor Laboratory (in a joint PhD programme with Stony Brook University). Next, I joined the lab of Mike Young at The Rockefeller University as a post-doc to identify the genome-wide expression profiles associated with daily time keeping using the fruit fly *Drosophila melanogaster* as my experimental model. An independent position as Assistant Professor in the department of Biology drew me to the University of Virginia in Charlottesville. My lab there studied the molecular and neural basis of daily time keeping in animals with the help of the powerful genetic tools available in *Drosophila*. We are continuing this research programme at the University of Southampton, where I started as a Senior Lecturer in 2012. Over the years I have gained quite a bit of experience in education, research, grantsmanship (NIH, NSF, EU), and academic service.

#### **MindTorch**

External mentoring program

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**Should you wish to pursue a mentor outside of the University, we are aware of this organisation, MindTorch, who aim to provide mentors with pharmaceutical or scientific professions experience. We believe this organisation offers free mentoring but we have no direct experience of it, so if you do proceed with it, please be mindful that it does not come with any quality checks made by us. For those who do approach this organisation, we would however like some feedback on your experience of it.**

#### **University of Southampton Mentoring**

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