

SENIOR MEMBERS' RESEARCH INTERESTS 2011/12

NAME	MAIN SUBJECT	AREA OF SPECIAL INTEREST	COLLEGE/FACULTY POSITION	ADDRESS
Adrian, Dr Lucy	Geography	Historical geography of 18th and 19th century Britain	Fellow Emerita; Special Supervisor	College
Apter, Dr Terri	Psychology	Family dynamics, adolescent development	Fellow, Senior Tutor	College
Atherton, Dr Helen	Biochemistry	My research focuses on better understanding the pathways involved in lipid metabolism, and investigating how these mechanisms are disrupted in diseases such as obesity. I work within the field of Metabolomics, and use a variety of analytical techniques (NMR spectroscopy, Mass Spectrometry etc.) to identify and quantify metabolites in cells. My aim is to determine how metabolite concentrations vary during disease onset and progression as this can, in turn, provide novel information regarding the pathology of important diseases, and may help identify biomarkers which could prove useful in future diagnosis.	Associate Lecturer	Dept of Biochemistry
Baker, Dr Harry	Experimental Psychology Neuroscience	Brain mechanisms of learning & memory; disorders of learning & memory; dementia; neurodegenerative diseases; ethics of animal use in medical research.	Privileges of Fellow Emerita	College
Banham, Dr Debby	ASNC	Anglo-Saxon medicine, diet and farming; monastic sign language; manuscripts	Special Supervisor, Acting Director of Studies (Lent Term 2012)	Dept of HPS
Barlow, Dr Claire	Engineering/Materials Science	Sustainable manufacturing, manufacturing processes; materials microstructure and mechanical properties	Fellow, Director of Studies, Lecturer and University Senior Lecturer in Manufacturing Engineering (on leave calendar year 2011)	College
Barnard, Dr Jonathan	Materials Science/Physics	Characterisation of interfaces and defects in semiconducting materials using electron microscopy and electron scattering with specialism in nitride-based optoelectronic materials.	Associate Lecturer, Director of Studies in Materials Science	Department of Materials Science & Metallurgy
Beard, Professor Mary	Classics	Roman history, Greek and Roman art, Museology, Classics in contemporary culture	Professorial Fellow, Director of Studies	College
Beauregard, Dr Dan	Chemistry	Magnetic resonance imaging (MRI) of inorganic chemical systems including wastewater treatment, Li-ion batteries, and supercapacitors.	Lecturer, Fellow of Selwyn College	Selwyn College
Blacklaws, Dr Barbara	The Immune Response to Viruses	Pathogenesis of visna maedi virus and murine norovirus	Fellow, University Senior Lecturer in Molecular Virology at Dept of Clinical Veterinary Medicine	College

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Buckland, Dr Adlene	English Literature	Nineteenth-century literature and science	Special Supervisor	Cambridge Victorian Studies Group, Room 250, Sidgwick Site
Charles, Dr Ruth	Archaeology	Upper Palaeolithic (especially the Late Upper Palaeolithic), Archaeozoology, Taphonomy & the History of Archaeology.	Bye-Fellow	University Computing Service
Coffman, Dr D'Maris	History	Restoration and early Hanoverian political culture, public finance and economic thought. Also interested in the advent and spread of financial capitalism.	Fellow, Director of Studies, Director of the Winton Centre for Financial History	College
Connell, Dr Sophia	Philosophy	Aristotle's Philosophy, Reproductive Ethics, Moral Psychology, Well Being	Fellow, Director of Studies in Philosophy	College
Csengei, Dr Ildiko	English	Eighteenth and nineteenth-century literature, the culture of sensibility and sentimentalism, Romanticism and War, the Revolutionary and Napoleonic Wars, eighteenth-century moral philosophy, medicine and science in the long eighteenth century, the history of sympathy, literary criticism and theory, psychoanalytic approaches to literature.	Fellow, Lecturer, Director of Studies , Leverhulme Early Career Fellow in the Faculty of English	College
Davies. Dr Owen	Biochemistry	Biochemical studies of the synaptonemal complex, a protein zipper that is essential for meiotic cell division	Lecturer	Dept of Biochemistry
Easterling, Prof Pat	Classics	Greek literature, particularly drama; history of books and reading; reception of ancient culture	Honorary Fellow	College
Edgcombe, Mrs Katy	Mathematics/Computing	Pure maths teaching	Privileges of Fellow Emerita, Assistant Tutor, Special Supervisor in Computing Sciences and Mathematics Computer Officer, University Computing Service	College
Firth, Dr Helen	Clinical Genetics	Application of new genomic technologies to improve the diagnosis of severe developmental disorders. Applications of whole genome sequencing in clinical medicine.	Bye-Fellow, Consultant Clinical Geneticist, Cambridge University Hospitals Foundation Trust and Hon Faculty Member, Wellcome Trust Sanger Institute	College
Fleet, Dr Kate	Ottoman and Turkish History	Economic and social history of the Ottoman Empire and the early Turkish Republic	Fellow, Director of Skilliter Centre for Ottoman Studies	College
Forwood, Dr Suzanna	Psychology	The factors surrounding a food presentation that drive its purchase or consumption. These include labelling, descriptions, illustrations, goal-priming, hedonic associations and other factors that alter preference for a given food item, both explicitly and more subliminally.	Associate Lecturer in Behavioural Science	Behavioural & Health Research Unit, Addenbrooke's

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Gadelha, Dr Catarina	Cell Biology	My research focuses on the organization of surface membranes into microenvironments that are specialized to accomplish particular cellular functions such as recognition, secretion, and nutrient uptake.	Director of Studies and Lecturer in Biological Sciences	College
Garcia-Gancedo, Dr Luis	Engineering	Development of micro-electro-mechanical systems (MEMS) for biomedical and biological sensing applications.	Lecturer, Director of Studies	College
Gaudenzi, Dr Bianca	History	Twentieth century European history, Germany and Italy in particular - the history of Fascism and Nazism, the history of consumption and its political implications and the evolution of women's role and representation.	Research Fellow	College
Golombok, Professor Susan	Psychology	Parent-child relationships and the psychological development of children in new family forms including lesbian families, solo other families and families created by assisted reproduction procedures such as IVF, donor insemination, egg donation and surrogacy.	Professorial Fellow, Director – Centre for Family Research, Faculty of PPS	College
Gooder, Mrs Jean	English/American/French writing 19 th /20 th century	19 th and 20 th century relations between English and American culture, including France	Fellow Emerita	College
Gwynne, Dr Jessica	Materials Science	Biomedical materials science: materials for bone replacement, spinal disc replacement and tendon regeneration.	Associate Leturer	Department of Materials Science
Hakenbeck, Dr Suzanne	Archaeology	My research focuses on population mobility and shifting identities in the former frontier zones of the Roman Empire from the fifth to the eighth centuries AD. It combines theoretical approaches to funerary archaeology, material culture studies with stable isotope analysis.	Bye-Fellow	McDonald Institute for Archaeological Research, Downing Street
Harrison, Dr Jill	Plant evolution and development	I want to use molecular genetics to test the basis of early steps in leaf evolution and answer the question 'how did plants get leaves?'	Associate Lecturer	Dept of Plant Sciences
Hills, Dr Catherine	Archaeology	Archaeology of 1st Millennium AD; Archaeology of British Isles, Western Europe and Scandinavia during 1 st millennium AD, Historical Archaeology.	Fellow, Director of Studies in Archaeology and Anthropology, University Senior Lecturer in Archaeology	College
Hirsch, Dr Pam	English Literature and Film Theory	19 th and 20 th century English Literature and Screen Media; History of the Women's Movement, including women educationists. I am a biographer and work mainly on women writers, artists and/or political activists.	Fellow, Tutor, University Lecturer in English Literature and Film History	College

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Housden, Dr Mike	Chemistry	The development of novel catalysts and strategies in organic chemical synthesis, particularly with respect to copper-mediated C–H bond activation and asymmetric arylation/alkenylation using hypervalent iodine species.	Associate Lecturer	Department of Chemistry
Hsiao, Dr Wen-Kai (Kai)	Engineering – Manufacturing	The impact, spreading and mixing of inkjet deposited droplets. High-Speed imaging in sub-mm to micron scale. Integration of design innovation and manufacturing process development	Associate Lecturer	Dept of Engineering
Hughes, Dr Claire	Developmental Psychology	Early origins of antisocial behaviour. Autism, Executive Functions, Theory of Mind.	Fellow, Director of Studies, Lecturer and University Reader in PPS (on leave Michaelmas Term 2011)	College
Jaszczolt, Professor Kasia	Linguistics, Philosophy of Language	Theories of meaning and communication, time in language and thought, representation of belief, semantic ambiguities	Professorial Fellow, Lecturer and University Professor of Linguistics and Philosophy of Language, Director of Studies (On leave Michaelmas Term 2011 and Lent Term 2012)	College
Kirillova, Miss Irina	Russian	The Christlike Image in Dostoevsky's novel <i>The Idiot</i> . Eastern Orthodox spirituality in Dostoevsky's writing	Fellow Emerita	College
Lindon, Dr Cath	Cell Biology	I am interested in the control of cell division in human cells. My lab is currently focused on the role of ubiquitin-mediated proteolysis in ensuring the coordination of cytokinesis with packaging of duplicated chromosomes into daughter cells, a step that often fails in cancers.	Director of Studies and Lecturer in Biological Sciences	College
Lorber, Dr Barbara	Neuroscience	Axon regeneration in the central nervous system	Fellow, Director of Studies, Lecturer in Natural Sciences Biological	College
Lucy, Dr Sam	Archaeology	Anglo-Saxon and Romano-British Burial Practice; Archaeology of Identity; Romano-British and Anglo-Saxon Settlement Archaeology	Fellow, Admissions Tutor, Financial Tutor, Tutor	College
MacDougall, Dr Jane	Clinical Medicine	Reproductive Medicine/Gynaecological Endocrinology/Paediatric & Adolescent Gynaecology/Medical Education	Fellow, Director of Studies in Clinical Medicine Consultant in Reproductive Medicine; Head of School, East of England Postgraduate School of Obstetrics and Gynaecology	Dept of Obstetrics & Gynaecology, Addenbrooke's Hospital
Mander, Dr Jenny	French	18th century French culture and Enlightenment thought	Fellow, Director of Studies in MML, Lecturer and University Senior Lecturer in French (on leave Lent Term 2012)	College
Mawdsley, Dr Emma	Geography	The new politics of foreign aid and development, in the context of the rising powers; contemporary India-Africa relations; Indian politics; urban environmental politics in India	Fellow, Director of Studies, Lecturer and University Senior Lecturer (on leave Michaelmas Term 2011)	College

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McMahon, Dr Augusta	Archaeology	Near/Middle Eastern archaeology, early urbanism and economic complexity, early state conflict and warfare.	Fellow, University Senior Lecturer	College
Moncaster, Ms Alice	Engineering	Sustainable construction; embodied carbon and energy of buildings; school buildings; interdisciplinary research and teaching in the built environment	Associate Lecturer, Director of Studies	Centre for Sustainable Development, Department of Engineering
Mordey, Miss Delphine	Music	19 th and 20 th Century French Music, Opera, Music and politics	Bye-Fellow, Director of Studies, Director of Music	College
Morton, Professor Jenny	Pharmacology	Neurodegenerative disorders, Huntington's Disease.	Professorial Fellow, Director of Studies in Pre Clinical Medicine and Veterinary Medicine, Professor of Neurobiology	College
Navaro-Yashin, Dr Yael	Social Anthropology	Anthropology of politics and law; governance, bureaucracy and administration; affect and subjectivity	Fellow, Director of Studies, College Lecturer and University Senior Lecturer in Social Anthropology (leave Lent & Easter Terms 2012)	College
Newbould, Dr Mary-Celine	English	Literature of the 'long' 18 th century; Laurence Sterne; parody; adaptations; visual culture in particular 18 th century caricature.	Special Supervisor	College
O'Connell, Dr Tamsin	Archaeological Science	Stable isotopic analyses and dietary reconstruction in archaeology, ecology and anthropology; biomolecular archaeology.	Bye-Fellow	McDonald Institute for Archaeological Research
O'Neill, Professor Onora	Philosophy	Philosophy Ethics, political philosophy, Kant studies, conceptions of practical reason: trust and accountability; ethics of communication and media Ethics	Honorary Fellow, former Principal	College
Owens, Professor Susan	Human Geography Environmental Policy	Environmental governance, especially the role of knowledge and expert advice in policy formation in modern democracies	Professorial Fellow - Environment and Policy	College
Padman, Dr Rachael	Physics	Radioastronomy	Fellow, Director of Studies in Physical Sciences, Lecturer and University Lecturer in Physics. Director of Education for the School of Physical Sciences	College
Parlikad, Dr Ajith	Engineering (Manufacturing Management)	- Asset Management - Maintenance of complex systems - Information Quality - RFID systems	Director of Studies, Lecturer and University Lecturer in Engineering, Fellow of Hughes Hall	Hughes Hall
Phillips, Miss Ann		17th Century English Poetry	Fellow Emerita	College
Pitts, Dr Susan	Statistics	Nonparametric estimation for stochastic models	Fellow, University Senior Lecturer in Mathematics (on leave calendar year 2011)	College
Quinn, Dr Judy	Anglo-Saxon. Norse and Celtic	Old Norse poetry, Old Norse literature, critical theory, gender studies	Fellow, Director of Studies, Lecturer and University Senior Lecturer in ASNC (on leave Lent Term 2012)	College

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Ramos, Dr Gabriela	History – Latin America	Colonial Latin America: Religion, culture, politics – Andean region	Fellow, Lecturer in History and University Lecturer in Latin American History	College
Reynolds, Miss Joyce	Classics	Roman History: I collect inscribed documents, mainly in Cyrenaica (Libya) and on the site of Aphrodisias in Turkey. Am currently much involved in a programme for the digital publication of inscriptions under the guidance of an old pupil (Charlotte Roueché)	Honorary Fellow, former Reader	College
Ridley, Dr Rosalind	Neuroscience	Neurodegenerative diseases. Evolutionary psychology. Psychology of belief.	Privileges of Fellow Emerita	College
Saksida, Dr Lisa	Computational and Cognitive Neuroscience	The theoretical and neurobiological basis of cognition in the healthy person as well as in neuropsychiatric disorders	Fellow, University Senior Lecturer in Experimental Psychology,	College
Segre, Ms Erica	Spanish & Latin American Studies	Nationalism, visual culture and writing in 19 th and 20 th century Mexico. 20 th century and contemporary visual culture (art, photography, film) in Mexico.	Affiliated College Lecturer in Spanish, Lecturer in Hispanic Studies in Dept of Spanish & Portuguese and Centre of Latin American Studies. Fellow of Trinity College	Trinity College
Seville, Dr Catherine	Law	Intellectual property, especially history of Copyright and its present relevance	Fellow, Vice-Principal, Assistant Tutor, Assistant Graduate Tutor, Director of Studies, Lecturer and University Senior Lecturer in Law	College
Shammas, Dr Sarah	Biophysics	Applying physical techniques and models to describe biological systems at the molecular level. My current work involves using single molecule fluorescence measurements to monitor protein-protein association.	Associate Lecturer in Physics	Department of Chemistry
Simpson, Professor Pat	Evolution of gene regulation in development	Evolution of development of bristle patterns in dipteran flies: Achaete-scute genes, peripheral nervous system	Privileges of Fellow Emerita	Department of Zoology
Skelly, Dr Barbara	Clinical Veterinary Medicine – Small animal internal medicine and inherited diseases of dogs and cats	Lysosomal storage diseases, inherited cardiac defects, genetic basis of hyperparathyroidism in dogs.	Fellow, University Lecturer, Director of Studies in Clinical Veterinary Medicine	Dept of Clinical Veterinary Medicine
Sutherland, Dr Gillian	History: 19th and 20th century Social - mostly British, some European	Education, socialisation of children, women	Fellow Emerita	College

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Taub, Professor Liba	History of Science	History of early science, particularly ancient Greek and Roman astronomy, physics and meteorology; history of scientific instruments. I am currently writing a book considering the different genres which were used in Greco-Roman antiquity to communicate about scientific ideas and mathematics. My previous books include: Aetna and the Moon: Explaining Nature in Ancient Greece and Rome (2008), Ancient Meteorology (2003), and Ptolemy's Universe(1993).	Professorial Fellow, Graduate Tutor, Director of Studies in History and Philosophy of Science, Director of the Whipple Museum, Professor of History and Philosophy of Science	College
Taylor, Dr Jo	Cognitive Neuroscience	How we learn to read words. Particular interests include: the neural mechanisms that support literacy acquisition, how spelling-sound regularity and word meanings influence the process of learning to read, and the role of sleep and consolidation in learning.	Research Fellow	College
Trapp, Dr Kimberley	International Law	Use of force; terrorism; State responsibility; Regime interaction	Fellow, Lecturer in Law	College
Watson, Prof Christine	Molecular genetics	Control of signaling and apoptosis (cell death) pathways, particularly in mammary gland.	Professorial Fellow, Assistant Tutor and Professor of Cell and Cancer Biology	Dept of Pathology
Watson, Dr Elizabeth	Geography	Africa (Ethiopia, Kenya, Mozambique); Agriculture, Social Organisation and Social and Cultural Change	Fellow, Director of Studies, Lecturer and University Senior Lecturer in Geography	College
Watts, Dr Sheila	German Linguistics	Old Saxon and other older Germanic languages; verbs, tense and aspect; grammaticalisation and other kinds of language change	Fellow, Director of Studies in MML and Lecturer and University Lecturer in German	College
Webb, Dr Cerian	Mathematical Biology	Investigating the mechanisms of transmission and options for control of infectious farm animal diseases	Associate Lecturer	College
Wilson, Dr Ian	Chemical Engineering	Microstructure engineering: rheology, food processing, paste flows. Heat transfer including fouling and cleaning of heat transfer equipment	Director of Studies	Dept of Chemical Engineering and Biotechnology
Wise, Dr Helen	Virology	I work in Paul Digard's lab studying influenza A. We are interested in novel protein and control of expression of influenza proteins.	Associate Lecturer	Division of Virology, Addenbrooke's Hospital

