

# KEELE MARSHALL SCHOLARSHIPS

## Further Information Provided by Keele University

Keele's position as a university whose research is of world leading and of international standard was by the results of the last UK-wide Research Assessment Exercise (RAE) which found that 85% of the University's research was classified as world leading and of international importance.

Keele has top rated departments in all of its three Faculties: Health, Humanities and Social Sciences and Natural Sciences, and the RAE results revealed the University's world class research activities across a wide spectrum of subject areas. Subject areas where research at Keele was rated world class in terms of originality, significance and rigour were Primary Care, Physics, Applied Mathematics, Business and Management, Law, Politics, Russian, English Language and Literature, History, Social Policy and Administration, Music and General Engineering (which includes BioMedical Engineering and Environmental Engineering). Keele performed particularly well in Music, Applied Mathematics, Social Policy and Administration and History.

Keele's research areas are:

**The Research Institute for Science and Technology in Medicine** has evolved from Keele's internationally respected strength in biomedical engineering and expanded rapidly over the last ten years. In the UK national Research Assessment Exercise 2008, 90% of the Institute's submitted staff were rated as international quality researchers, with 10% ranked as world-leading. The Institute bridges the interface between new advances in basic science and medicine, allowing the translation of laboratory findings into benefits for patients. A truly multi-disciplinary approach to research is used to address clinical problems with an excellent integration of the skills and knowledge of engineers, mathematicians, biologists, physicists and clinicians.

Clinically there are strong areas in orthopaedics, renal and respiratory medicine, cancer, pathology, neonatal medicine and obstetrics and gynaecology which exist across hospitals in North Staffordshire and Shropshire. The Institute's "bench to bedside" approach also fosters excellent working relationships with worldwide medical and biotechnology industries.

Research in the Institute is grouped into four major themes:

- Bioengineering & Therapeutics - theme leaders Prof Alicia El Haj and Prof James Richardson
- Clinical & Diagnostic Science - theme leaders Prof Bill Farrell and Prof Simon Davies
- Infection, Inflammation & Immunity - theme leader Dr Gordon Hamilton
- Neuroscience & Human Metabolism - theme leaders Dr David Furness and Prof Clive Hawkins

**The Research Institute for Primary Care And Health Sciences** Research (Director Professor Peter Croft) embraces current strengths in community health research at Keele University and our NHS partners in North Staffordshire, in the fields of:

- Arthritis Research UK National Primary Care Centre <http://www.keele.ac.uk/research/pchs/pcmrc/> - the largest group within the Institute. Its main topical theme is research into musculoskeletal conditions and chronic pain, focused on joint pain and osteoarthritis, back pain and widespread and regional pain.
- The NIHR Research Design Service for the West Midlands, Keele University Hub <http://www.rds-wm.nihr.ac.uk/web/guest/keele-hub-home>>
- Academic Rheumatology [http://www.keele.ac.uk/research/pchs/research/acr\\_group.htm](http://www.keele.ac.uk/research/pchs/research/acr_group.htm)> which researches the interface between primary and secondary care in the management of musculoskeletal conditions.
- Concordance in Medicines Use [http://www.keele.ac.uk/research/pchs/research/cm\\_group.htm](http://www.keele.ac.uk/research/pchs/research/cm_group.htm)> investigates the use of medicines in musculoskeletal problems
- Addiction Research [http://www.keele.ac.uk/research/pchs/research/ar\\_group.htm](http://www.keele.ac.uk/research/pchs/research/ar_group.htm)> which is focused on substance mis-use and its inter-relationship with mental health.

- Education Research [http://www.keele.ac.uk/research/pchs/research/ed\\_group.htm](http://www.keele.ac.uk/research/pchs/research/ed_group.htm)> across the range of Health Professionals.

**The Research Institute for the Environment, Physical Sciences and Applied Mathematics** exists to provide a sustainable, multidisciplinary environment for the support, nurture and development of Research and Enterprise activity underpinning the internationally recognised pure and applied research carried out in the environmental, physical sciences and mathematics at Keele.

Seven Research Clusters have been created:

- Astrophysics (Prof Nye Evans)
- Computer Science (Prof Pearl Brereton)
- Environment and Sustainability (Dr Richard Waller)
- Geosciences (Prof Graham Williams)
- Materials Chemistry and Sustainable Technology (Prof Mark Ormerod)
- Mathematics (Prof Graham Rogerson)
- Medicinal/Pharmaceutical Science (Prof Steve Allin)

**The Research Institute for Public Policy and Management** (Director – Prof Chris Phillipson) supports high quality and innovative research on policy, institutions and regulation. This will encompass research and enterprise concerned with:

- Policy formulation, delivery and evaluation
- The culture, workings and management of public, private and
- voluntary organisations
- The regulation and governance of economic and social institutions
- International and comparative aspects of all the above
- The Institute will build on and encourage collaborative and
- interdisciplinary work, and the integration of different research
- traditions, ranging from ethnography to econometrics.

**The Research Institute for Life Course Studies** (Director - Prof Chris Phillipson) aims to support and stimulate high quality research and enterprise by bringing together a multidisciplinary group of researchers working on a range of health and social concerns across the life course, from childhood through to old age.

It draws on existing strengths at Keele in the fields of: ageing; families community and society; health, rehabilitation and well-being; and psychology.

### Ageing

Ageing brings together one of the largest groups of researchers working in the field of gerontology in the UK. Keele University pioneered studies into the social aspects of ageing populations, and has built on this work with an expansion in research and teaching across a broad range of health, socio and bio-medical topics. The main research groupings within the Institute are drawn from the Centre for Social Gerontology <<http://www.keele.ac.uk/depts/so/csg/index.htm>>, Geriatric Medicine <<http://www.keele.ac.uk/depts/pm/gmg/>>, Nursing, the Centre for Health Planning and Management and Physiotherapy. Research in the field of ageing contributed to the 5-rating secured by the Social Policy unit of assessment in the 2001 RAE.

### Families, Community and Society

The Institute has a number of active researchers who are interested in areas concerned with the life course, in particular with research into children and families. Staff comprise of both sociologists and social work specialists. Current interests include: the construction of childhood; care leavers; the impact of new family patterns, including divorce and stepfamily formation, on children and adults; and kinship solidarities. A core element of the Institute's research strategy concerns intergenerational relationships.

### Health, Rehabilitation and Well-being

The Health, Rehabilitation and Well-being research group brings together colleagues from the School of Health and Rehabilitation, Nursing and Midwifery and Psychology. This is an area of anticipated growth

within the Research Institute and offers the potential for exciting new research opportunities and collaborations.

## Psychology

Psychology research groups in cognitive, music and social psychology conduct research in the following areas:

- Experimental social psychology;
- lifespan social psychology;
- cognitive development,
- adult cognition and neuropsychology.

**The Research Institute for Law, Politics and Justice** (Director Prof Chris Phillipson) brings together a substantial group of researchers working in the fields of, and exploring the inter-disciplinarity between law and ethics, politics and international relations, and crime, security and justice. (The Institute's main themes can be downloaded here

<<http://www.keele.ac.uk/research/lpj/membership/LPJThemes%20Updated%20Oct08.pdf>>.)

The main centres within the Institute, are:

- Centre for Criminological Research <http://www.keele.ac.uk/research/lpj/research/Crim.htm>
- Research Centre for the Study of Politics, International Relations & Environment  
<http://www.keele.ac.uk/research/lpj/research/RC4SPIRE/index.htm>
- Centre for Law, Ethics & Society <<http://www.keele.ac.uk/research/lpj/research/LES.htm>
- Centre for Social, Cultural & Postcolonial Research  
<http://www.keele.ac.uk/research/lpj/SOCPOR/index.htm>

**The Research Institute for the Humanities** (Director Ian Bell) brings together researchers in the fields of History, English and other Literatures, American Studies and Music, to strengthen and sustain high-quality, innovative and inter-disciplinary research at Keele. It hosts an exciting range of intellectual and creative conferences, colloquia and seminars, as well as international academic conferences.

In addition, a series of seminars, research-led music recitals, and workshops contribute to regional and national scholarly networks. Major academic journals are edited from within the Institute. The Institute fosters a high quality, supportive and managed research environment for both individual researchers and teams of collaborative researchers, including postgraduate researchers in the Humanities.