# Research activity

Here is a list of all the research activity pages:

## Generic List

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### Emerging Device Technology - Electronic, Electrical and Computer Engineering research (/research/activity/eese/edt/index.aspx)

The Emerging Device Technology (EDT) Research Group is composed of researchers whose interests are based around the theme of materials and devices in general. There is a solid research base with its staff having many years experience in superconducting, insulating and semiconducting materials. The research includes the basic science of materials, characterisation and production of materials for applications and the demonstration of applications themselves.

### Empirical Bioethics (/research/activity/mds/projects/HaPS/PCCS/MESH/research/Bioethics/index.aspx)

### End of Life (/research/activity/mds/domains/health-pop/population-health-research-epidemiology/end-of-life/index.aspx)

This group is working on a range of projects that focus around end of life care issues across the lifespan and health care spectrum.The activities in this programme focus upon initiatives designed to enhance End of Life Care. Our aim is to help people with advanced progressive incurable illness to live as well as possible until they die and to contribute to the support available to the bereaved.The programme team is multidisciplinary reflecting the range of professional interests in the University departments, and clinicians in a variety of healthcare settings.End of life care has several strands:1. Evaluating end of life care management in Care homes and in the community2. Acute care work focuses on the context of end of life experiences for staff and patients in intensive care and accident and emergency department and sudden death and bereavement3. Delivery of children services at end of life is focused on care delivered in the community and hospices sectors4. Economic of end of Life care

### Endocrine & Endocrine-Related Cancer (/research/activity/mds/domains/hormones-metabolism-reproduction/endocrine-cancer/index.aspx)

Information on the Endocrine-Related Cancer Research Theme, led by Professor Wiebke Arlt, Section of Endocrinology, Diabetes and Metabolism, School of Clinical and Experimental Medicine, College of Medical and Dental Sciences

### Endocrine Cancer Research Group (/research/activity/mds/domains/hormones-metabolism-reproduction/endocrine-cancer/endocrine-cancer-research-group/index.aspx)

Information relating to the Endocrine Cancer Research Group, led by Professor Chris McCabe, Section of Endocrinology, Diabetes and Metabolism, School of Clinical and Experimental Medicine, College of Medical and Dental Sciences

### Energy and Chemical Industries - Formulation Engineering Research - School of Chemical Engineering (/research/activity/chemical-engineering/energy-chemical/index.aspx)

The Energy research theme addresses the challenges of introducing the hydrogen economy to replace the current reliance on carbon-based fuels.

### Environmental Health Sciences research - School of Geography, Earth and Environmental Sciences (/research/activity/environmental-health/index.aspx)

Environmental Health Sciences research in the School of Geography, Earth and Environmental Sciences at the University of Birmingham. The Environmental Health Sciences Group addresses a range of research issues requiring the application of chemical and physical principles to the study of environmental processes. Ultimately, such processes are relevant to environmental change and human health.

### Environmental Nanoscience - Environmental Health Sciences research (/research/activity/environmental-health/areas/enviro-nanoscience/index.aspx)

Nanoscience is the science at the nanoscale, where 'nano' refers to processes that occur on the size range between 1 and 100 nm. Environmental Nanoscience research at the University of Birmingham focuses on understanding reactivity at the nanoscale, particularly where this influences the environmental fate and behaviour of nanomaterials. The group studies many aspects of the interactions of nanomaterials with pollutants and biota, biomineralisation processes, and the behaviour of manufactured and natural nanoparticles in the environment.

### Epilepsy Research Group (/research/activity/mds/domains/cardio-resp-neuro/neurotrauma/epilepsy/index.aspx)

Information on the Epilepsy research group, lead by Professor John Jefferys, School of Clinical and Experimental Medicine, Neurotrauma and Neurodegeneration, University of Birmingham.

### Escalate project - Society, Economy and Environment research - School of Geography, Earth and Environmental Sciences (/research/activity/hg/projects/escalate/index.aspx)

ESCALATE was a research project funded by the European Commission (Marie Curie Actions, Intra-European Fellowship). The project started in September 2011 and was completed in July 2013. The Principal Investigator was Dr Julian Clark and the post-doctoral fellow was Dr Nikoleta Jones.

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