Research activity

Here is a list of all the research activity pages:

Generic List

Antimicrobial Action, Resistance and Epidemiology (/research/activity/mds/domains/immunity-infection/microbiology/antimicrobial-action,-resistance-and-epidemiology/index.aspx)

Description
Members of this group work on a range of projects investigating how bacteria become resistant to antibiotics, how antibiotic resistance genes relate to the biology of pathogenic bacteria and how resistance genes are mobilised. Current research programmes focus on enteric pathogens including Escherichia coli, Salmonella and Campylobacter, respiratory pathogens including Streptococcus pneumoniae and Mycobacterium tuberculosis and nosocomial pathogens including Acinetobacter and Staphylococcus aureus. Specific interests relate to understanding the evolution of antibiotic resistance and transmission routes and dynamics of resistance as well as the study of membrane proteins in terms of resistance and the development of novel therapeutics. Research in this area is supported by extensive funding from research councils, charities, government agencies and other sources.

Anyone for PIMMS? (/research/activity/pimms-itn/index.aspx)

Applied developmental psychology research - School of Psychology (/research/activity/psychology/applied-psychology/index.aspx)

Description
We are interested in a number of areas of applied developmental psychology including, feeding problems from infancy to adolescence, appetite regulation, childhood obesity and cognitions about food, parent-child interaction, attachment, the development of food acceptance and rejection, sensitive periods for the introduction of foods, and the significance of the timing of weaning onto solids.

Applied Mathematics Research, School of Mathematics (/research/activity/mathematics/applied-maths/index.aspx)

Description
The Applied Mathematics Group is internationally recognised for high quality research and collaborations with researchers from various scientific areas especially industry.The Group covers many research areas including fluid mechanics, biomathematics, theoretical & computational optimization, computational mathematics, as well as research for industry.

ASPIRE - A study promoting the influenza response in the elderly (/research/activity/mds/trials/pccrtu/trials/aspire/index.aspx)

Astronomy research - School of Physics and Astronomy (/research/activity/physics/astronomy/index.aspx)

Description
Links to the websites of the research groups in Astronomy at the School of Physics and Astronomy.

Atmospheric Chemistry and Air Pollution - Environmental Health Sciences (/research/activity/environmental-health/areas/atmospheric/index.aspx)

Description
Atmospheric Chemistry and Air Pollution research (part of the Environmental Health Sciences research group) focuses upon understanding natural and anthropogenic emissions to the atmosphere, the transport, chemical and physical transformations of atmospheric constituents, and the effects of air pollution and atmospheric chemistry upon the environment, and particularly upon human health.

Autism Centre for Education and Research (ACER) (/research/activity/education/acer/index.aspx)

Description
This research centre (ACER), which sits within a framework of research on disability, diversity and inclusion within the School of Education, Birmingham, focuses on research and teaching on education and care for individuals on the autism spectrum

Autism research (/research/activity/autism/index.aspx)

Description
Homepage for the Autism Research Programme which is located on the campus of the University of Birmingham in Edgbaston, and largely operates out of the Infant and Child Laboratory in the School of Psychology.

Automation and Intelligent Manufacturing (/research/activity/mechanical-engineering/advanced-manufacturing/automation-intelligent-manufacturing/index.aspx)

Description
Information on the University of Birmingham's Advanced Manufacturing Technology Centre's research into Automation and Intelligent Manufacturing. This theme encompasses three broad areas of research: a) intelligent manufacturing and systems, b) robotics and automation and c) Bio-inspired Computational Intelligence.

Displaying 21 to **30** of **719**
Previous (/research/activity/index.aspx?AZListing_AtoZLetter=e&AZListing_List_GoToPage=2&stylemediatype=print) **1** (/research/activity/index.aspx?AZListing_AtoZLetter=e&AZListing_List_GoToPage=1&stylemediatype=print) **2** (/research/activity/index.aspx?AZListing_AtoZLetter=e&AZListing_List_GoToPage=2&stylemediatype=print) 3 **4** (/research/activity/index.aspx?AZListing_AtoZLetter=e&AZListing_List_GoToPage=4&stylemediatype=print) **5** (/research/activity/index.aspx?AZListing_AtoZLetter=e&AZListing_List_GoToPage=5&stylemediatype=print) … **Next** (/research/activity/index.aspx?AZListing_AtoZLetter=e&AZListing_List_GoToPage=4&stylemediatype=print)

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