

Research activity

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BILCAP Trial (/research/activity/mds/trials/crctu/trials/bilcap/index.aspx)

Index page for the BILCAP trial at the University of Birmingham



Bioengineering - Formulation Engineering Research - School of Chemical Engineering (/research/activity/chemical-engineering/bioengineering/index.aspx)

In Biochemical Engineering we are currently working on a number of fronts with the aim of exploiting biological molecules, cells, and tissues to develop a range of high-value products.



Biological hydrogen production - University of Birmingham (/research/activity/bio-hydrogen/index.aspx)

Biological hydrogen production at the University of Birmingham. Hydrogen is seen by many as the fuel of the future because it has a very high energy density, three times that of petrol or diesel, and because its use produces only water instead of greenhouse gases and other exhaust pollutants.



Biomaterials (/research/activity/mds/domains/dentistry/biomaterials/index.aspx)

This theme area seeks to develop novel biomaterials and tissue engineering approaches for application in dental and broader body organ contexts and to relate their clinical performance to studies of their mechanical and biological properties.



Bio-medical and micro engineering - Mechanical Engineering research (/research/activity/mechanical-engineering/bio-micro/index.aspx)

Advances in medicine (e.g. "key-hole" surgery) require ever smaller devices. The merger of two important applications of engineering into a single Bio-medical and Micro Engineering Research Centre enables Birmingham to make a major contribution to this trend.



Bio-medical Engineering - Mechanical Engineering research (/research/activity/mechanical-engineering/bio-micro/bio-medical/index.aspx)

The Bio-Medical Engineering Research Group is part of the Bio-medical and Micro Engineering Research Centre. The group aims to understand the physical properties of natural and synthetic materials and to use this understanding to design and develop medical devices.



Biosciences and medicine - Collaborative Research Network in Imaging and Visualisation (/research/activity/crni/projects/biosciences-medicine/index.aspx)

Biomedical applications of imaging and visualisation, from basic sciences to the translational research which takes new developments from the research laboratory to the clinic.



BioSystems and Environmental Change (BEC) - research - School of Biosciences (/research/activity/biosystems-environmental-change/index.aspx)

One of the six research themes within the School of Biosciences at the University of Birmingham, research into the interactions between animals and their environments is co-ordinated through the BioSystems and Environment Change research theme. Our research focuses on the investigation of molecular, physiological and behavioural responses to environmental change across rapid, seasonal and evolutionary timescales.



Birmingham Atrial Fibrillation Treatment of the Aged (BAFTA) Follow-up Study (/research/activity/mds/trials/pccrtu/trials/bafta/index.aspx)

Information on the Atrial Fibrillation Treatment of the Aged (BAFTA) Follow-up Study - part of the Primary Care Clinical Trials Unit, University of Birmingham.



Birmingham Centre for Clinical Trials (BCCT) (/research/activity/mds/centres/bcct/index.aspx)

The University of Birmingham is one of the leading centres in the UK for clinical trials, having a wealth of experience across a wide range of diseases, clinical settings and trial designs. The Birmingham Centre for Clinical Trials (BCCT) brings together clinical trial expertise from across the University and, in particular, the three large, well-established, UKCRC fully-registered Clinical Trials Units. The trials portfolio at the University of Birmingham is supported by a comprehensive expert infrastructure in trial methodology.



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