

Research activity

Here is a list of all the research activity pages:

Generic List

[A \(/research/activity/health-pop/population-health-research-epidemiology/cancer/index.aspx?&style=print\)](#)

[Cancer \(/research/activity/mds/domains/health-pop/population-health-research-epidemiology/cancer/index.aspx\)](/research/activity/mds/domains/health-pop/population-health-research-epidemiology/cancer/index.aspx)

Active areas of research in progress in relation to cancer include the following: • Screening and early diagnosis: - Cancer Screening and Early Diagnosis Group - Cancer Early Diagnosis Group - Sue Wilson - Tom Marshall • Adverse health and social outcomes after cancer treatment: - Centre for Childhood Cancer Survivor Studies - Mike Hawkins • Aetiological studies and clinical trials relating to bladder and prostate cancer: - Unit of Urologic and Genetic Epidemiology - Maurice Zeegers • Interventional studies to reduce smoking and obesity: - Paul Aveyard • Large scale cohort studies of environmental and genetic factors in the aetiology of cancer: - KK Cheng • Occupational factors in the aetiology of cancer: - Tom Sorahan

[Cancer Cell Biology and Epigenetics \(/research/activity/mds/domains/Cancer/cancer-cell-biology-epigenetics/index.aspx\)](/research/activity/mds/domains/Cancer/cancer-cell-biology-epigenetics/index.aspx)

[Cancer Genetics and DNA Damage \(/research/activity/mds/domains/Cancer/cancer-genetics-dna-damage/index.aspx\)](/research/activity/mds/domains/Cancer/cancer-genetics-dna-damage/index.aspx)

Homepage for the Cancer Genetics and DNA Damage research domain within the School of Cancer Sciences, University of Birmingham.

[Cancer predisposition pathways \(/research/activity/mds/domains/Cancer/cancer-genetics-dna-damage/cancer-predisposition-pathways/index.aspx\)](/research/activity/mds/domains/Cancer/cancer-genetics-dna-damage/cancer-predisposition-pathways/index.aspx)

Research group page for Jo Morris's cancer predisposition pathways group in the School of Cancer Sciences, University of Birmingham.

[Cancer research \(/research/activity/mds/domains/Cancer/index.aspx\)](/research/activity/mds/domains/Cancer/index.aspx)

Cancer research at the University of Birmingham has particular strengths in leukaemia and lymphoma, paediatric cancer, urological cancers, pancreatic cancer, brain tumours and cancers of the gastrointestinal tract.

[Cancer Research UK Clinical Trials Unit \(CRCTU\) \(/research/activity/mds/trials/crctu/index.aspx\)](/research/activity/mds/trials/crctu/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.

[Cardiovascular and respiratory physiology research \(/research/activity/cardio-physiology/index.aspx\)](/research/activity/cardio-physiology/index.aspx)

The capacity for physical activity depends critically on optimal functioning of the cardiovascular and respiratory systems. The group studies how the integration of multiple inputs that sense metabolic and mechanical perturbations e.g. blood gases, muscle metabolic milieu and contraction status, results in appropriate autonomic neural output for regulation of blood flow, blood pressure and respiration in health and disease.

[Cardiovascular Disease \(/research/activity/mds/domains/health-pop/population-health-research-epidemiology/cardiovascular/index.aspx\)](/research/activity/mds/domains/health-pop/population-health-research-epidemiology/cardiovascular/index.aspx)

The HAPS Cardiovascular group comprises a broad range of disciplines covering the whole spectrum of cardiovascular disease, integrating epidemiology, clinical management, health technology assessment and translational research.

[Cardiovascular Translational Research Group: Myocardial Infarction and Heart Failure \(/research/activity/mds/domains/cardio-resp-neuro/clinical-integrated-cardiovascular-science/cardiovascular-translational-group/index.aspx\)](/research/activity/mds/domains/cardio-resp-neuro/clinical-integrated-cardiovascular-science/cardiovascular-translational-group/index.aspx)

Information on the Cardiovascular Translational Group: Myocardial Ischaemia Reperfusion Injury and Heart Failure Group, led by Dr Melanie Madhani, Cardiovascular Sciences, School of Clinical and Experimental Medicine, The University of Birmingham

[Cardiovascular, Respiratory and Neurological Sciences \(/research/activity/mds/domains/cardio-resp-neuro/index.aspx\)](/research/activity/mds/domains/cardio-resp-neuro/index.aspx)

Cardiovascular research in the University of Birmingham encompasses studies from the molecular and signalling pathways regulating behaviour of cells of the vasculature, to the functioning of the heart and vessels in animals, to the pathophysiology of heart failure, heart attacks and atrial fibrillation, to the impact of cardiovascular diseases on public health. We are developing ways to inhibit vascular thrombosis and inflammation, optimise blood flow, improve management of those with heart disease, and test the effects of large scale interventions on the region's health.

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