

Summer Research Projects for Cardiff University Medical Students

Supervisor list 2012
(Updated 01/04/12)

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One of the principal ways in which CUREs hopes to improve research opportunities for Cardiff medical students is to compile a list of academic and clinical staff each year who are enthusiastic and keen to supervise medical student projects during the summer vacation period.

Eligibility

All Cardiff University medical students who are interested in undertaking a research project during the 2012 summer vacation period.

Application process

There is no formal application process. Interested students are encouraged to contact a supervisor from the list to make further enquiries about the potential projects on offer. It is then at the discretion of the supervisor as to how they select the appropriate student and design the project.

Project design

The list provides the supervisors area of interest in which the project will be based and does not indicate the exact title of the research project. It is anticipated that the specific design of projects will be a collaborative process between the supervisor and student, such that each is bespoke to the students' skill level and interests.

Funding

Some projects on the list have been put forward to funding via the Cardiff Undergraduate Research Opportunities Programme (CUROP) and this is indicated. For other projects, students and supervisors are encouraged to apply for funding from external sources (further information available on the Money 4 Med Students website). In some instances funding may be available through the Institute in which the student will be working, and this is something that should be discussed with the supervisor.

In order to find out more about funding options and for support in applying for specific stipends, once a student and supervisor have agreed on a project they should contact Miss Claire Batten – the School of Medicine Research Officer. Claire is very experienced in sourcing funding and has kindly agreed to provide help and advice for students and supervisors keen on undertaking CUREs projects. She may be contacted via email on: batterc@cardiff.ac.uk.

The supervisor list 2012 is given on the following pages by Academic Institute / Department:

Dr William Davies

Area of interest: Sex chromosome effects on vulnerability to psychiatric disorders
Type of project: Laboratory
Suitable for: Year 1 or above
Email: daviesw4@cardiff.ac.uk

Dr James Walters

Area of interest: Schizophrenia – project can be related to clinical symptoms and cognition or based on genetic analysis
Type of project: Laboratory / Clinical / Audit
Suitable for: Year 1 or above
Email: Waltersjt@cardiff.ac.uk

Professor Anita Thapar

Area of interest: Child Psychiatry - especially ADHD and depression
Type of project: Clinical / Audit
Suitable for: Year 5 or Intercalated BSc
Email: Thapar@cf.ac.uk

Dr George Kirov

Area of interest: Identifying the parental origin of de novo mutations in humans
Type of project: Laboratory
Suitable for: Year 4 or above
Email: Kirov@cardiff.ac.uk

NOTE: CUROP funding is pending for this project

Dr Ian Jones

Area of interest: Perinatal mood disorders – Postpartum Psychosis – Bipolar disorder
Type of project: Clinical: specifically analysis of existing data sets
Suitable for: Year 3 or above
Email: jonesir1@cf.ac.uk

Dr Hywel Williams

Area of interest: Schizophrenia genetics: Analysis of X-chromosome data collected using genome wide association studies
Type of project: Laboratory / analysis of existing data sets
Suitable for: Year 3 or above
Email: Williamshj1@cf.ac.uk

Professor F. Anthony Lai

Area of interest: Cardiovascular cell signalling, cardiac muscle excitation-contraction, Ca channels, receptor biology
Type of project: Laboratory
Suitable for: Year 2 or above
Email: lait@cf.ac.uk

Professor F. Anthony Lai

Area of interest: Reproductive cell biology, fertilization, intracellular calcium signalling, phospholipid metabolism
Type of project: Laboratory
Suitable for: Year 2 or above
Email: lait@cf.ac.uk

Professor F S Wong

Area of interest: Immunology of diabetes
Type of project: Laboratory
Suitable for: Year 1 or above
Email: wongfs@cardiff.ac.uk

Dr Chris George

Area of interest: Molecular and cellular projects that study key questions in heart signalling and disease
Type of project: Laboratory
Suitable for: Unspecified
Email: georgech@cf.ac.uk

Dr Jack Ham

Area of interest: Association of Inflammation with Obesity, diabetes and cardiovascular disease
Type of project: Laboratory
Suitable for: Year 3 or above
Email: wmdjh@cardiff.ac.uk

Department of child health / Institute of molecular and experimental medicine

Dr Martin Edwards and Professor Sailesh Kotecha

Area of interest: Effects of being born prematurely
Type of project: Clinical / Audit
Suitable for: Year 4 or above and Intercalated BSc
Email: edwardsmo@cardiff.ac.uk

Department of nephrology / Institute of molecular and experimental medicine

Dr Donald Fraser and Dr Tim Bowen

Area of interest: micro RNA
Type of project: Laboratory
Suitable for: All students – adaptable to skill level of student
Email: fraserdj@cf.ac.uk

NOTE: 2 students are able to undertake this project

Department of nephrology / transplant

Mr Michael Stephens

Area of interest: Vascular access surgery for haemodialysis
Type of project: Clinical / Audit
Suitable for: Year 3 or above
Email: Michael.stephens@wales.nhs.uk

Department of urology

Mr Hrishi Joshi

Area of interest: Urinary calculi and outcome analysis
Type of project: Clinical / Audit
Suitable for: Year 3 or above
Email: hrishi.joshi@wales.nhs.uk

Department of gastroenterology

Dr John Green (+/- Colleagues in the Department – Dr Sunil Dolwani, Dr Jill Swift, Dr Jeff Turner)

Area of interest: I would welcome the opportunity to discuss with any student who would like to do research in Gastroenterology / Endoscopy. We have a range of on-going research activity in clinical, audit, educational and some laboratory work. We have 2 clinical research fellows in the department at present doing postgraduate degrees. I am happy to talk through any ideas that you may have.

Type of project: Laboratory / Clinical / Audit

Suitable for: Year 3 or above

Email: John.green2@wales.nhs.uk

Institute of primary care and public health

Professor Craig Currie

Area of interest: Safety of insulin in people with type 2 diabetes

Type of project: Epidemiology

Suitable for: Year 5 and Intercalated BSc

Email: currie@cardiff.ac.uk

Ms Jana Witt and Dr Kate Brain

Area of interest: Review of clinical management options for women at familial risk of ovarian cancer

Type of project: Clinical / Audit

Suitable for: Year 2 or above

Email: Wittj1@cardiff.ac.uk

Dr James White, Prof Glyn Elwyn, Ms Katy Marrin, Dr Dominic Frosh

Area of interest: Systematic review of interventions to reduce hospital admissions in patients with a chronic disease

Type of project: Research

Suitable for: Year 1 or above

Email: Whitej11@cf.ac.uk

Institute of cancer and genetics

Professor WG Jiang, Drs T. Martin, L. Ye, A. Sanders, J. Lane and A. Sobkowicz

Area of interest: Cancer and metastasis
Type of project: Laboratory
Suitable for: Year 3 or above
Email: jiangw@cf.ac.uk

Professor Angus Clarke

Area of interest: Social and ethical aspects of genetics
Type of project: Clinical / Audit
Suitable for: Year 3 or above
Email: clarkeaj@cardiff.ac.uk

Institute of medical education

Dr Lynn Monrouxe

Area of interest: Medical Education - we have data for secondary analysis from a number of projects.
Type of project: Unspecified
Suitable for: Year 1 or above
Email: monrouxelv@cardiff.ac.uk

School of optometry and vision sciences

Professors James Morgan and Marcela Votruba

Area of interest: Retinal disease, structure and function, and retina/optic nerve neurobiology as applied to genetic eye disease and glaucoma.
Type of project: Unspecified
Suitable for: Unspecified
Email: morganje3@cardiff.ac.uk

School of Dentistry: violence and society research group

Dr Simon Moore

Area of interest: Violence and substance misuse – also opportunities to work with local groups, charities and collaborators
Type of project: Laboratory / Clinical / Audit
Suitable for: Year 1 or above
Email: MooreSc2@Cardiff.ac.uk