CUReS Preliminary Summer Projects List

Cardiff University Research Society (CUReS) is a student-led society with the aim of increasing interest and participation in research among medical students. As part of this aim, we ask clinicians and scientists involved in medical research to offer research projects to students, and the first group of these can now be applied for.

Undertaking research as a student offers an interesting experience, a chance to develop your skills, a great addition to your CV and in some cases a chance for publication- please consider applying! Any interested students should complete the following form:

<https://docs.google.com/forms/d/1dsZ__fLwwoGbYFl44Gri3OQvLJ9ZCnWJQOGK8wBx4EA/viewform?usp=send_form>

Applicant information will be sent to the project tutors, and successful students will be contacted to discuss the details of their project.

If you’re unsuccessful or these projects don’t interest you, don’t worry- we will be releasing more projects later on in the year.

Please note that the recommended year groups are only a guide suggested by the tutors- feel free to apply to projects outside of that range if you feel you would be suitable.

Summer Projects

These are projects which run during the summer, for which the student will be expected to be available full-time over a number of weeks. Funding is often available for these projects; follow this link for details of a few possible sources: <http://cures.cardiff.ac.uk/projects/summer-projects/summer-research-studentships-v2/>

**All applications for these projects must be in by Wednesday the 27th of January**

1. **Options in various topics related to Gastroenterology or endoscopy**

Tutor: Dr John Green

Area: Gastroenterology

Project type: Clinical

Description: Specifics of project to be discussed after application.

Suited to students in any year.

1. **Mechanisms of tumour metastasis**

Tutor: Dr Yuxin Cui

Area: Cancer research

Project type: Lab-based

Specific details to be discussed after application.

Expected length: 8 weeks

Best suited to 3rd year students and above

1. **Epidemiology of the older surgical patient**

Tutor: Dr Jonathan Hewitt

Area: Geriatric medicine

Project type: Clinical

Description: Part of a long-running surgical audit, comprising data collection and analysis in a range of subjects. Specifics to be finalised after application

Expected length: 8 weeks

Best suited to 3rd year students and above

1. **A project about multiple sclerosis**

Tutor: Dr Mark Willis

Area: Neurology/Immunology

Project type: Clinical

Specifics to be discussed after application

1. **“Multiple Sclerosis: When is it progressive?”**

Tutor: Dr Emma Tallantyre and Professor Robertson

Area: Neurology

Project type: Lab-based

Description: The student would use previously collected clinical data to investigate the prevalence of known secondary progressive (SP) Multiple sclerosis (MS). The student would then use modelling to determine the number of individuals with suspected, but undiagnosed SPMS. The student would have the opportunity to meet with individuals with MS, and survey them about their illness and their views on current and future care. This project would offer insights into the management of a common neurological disease, and the role of the MS multidisciplinary team. The student would be welcomed as part of the MS team and there would be the opportunity for them to gain clinical experience of multidisciplinary meetings, clinics and MRI sessions if desired. Previous summer student projects within the department have led to both regional and national presentation and publication. Dr Tallantyre would aim to seek a bursary or student award for any individuals who demonstrated sustained commitment to the project.

Expected Length: 6 weeks