Propose a vacation student project for Summer 2020

This call is now closed

The deadline for making your proposal(s) was 18:00 Friday 13 March 2020.

This form is for one project proposal, so to propose multiple projects please submit a separate form for each project. Any queries, do ask - Toby.

Project supervisor email *

andrew.jerrison@manchester.ac.uk

Title of the project *

basement membraneBASE

Source of funding *

○ Department funding requested

◉ You have your own funding (e.g. research grant)

Objective of the project *

Develop a web application database to showcase the results of the basement membraneBASE project.

Number of students requested (justify if > 1) *

1

Start date, end date, total duration (weeks) *

Start date flexible - June or early July. Duration 8 weeks.

The benefit to the Department *

The student will gain confidence from working in a real-world professional environment which will consolidate learning in classes. The student will have some marketable experience that will help them find a job more easily and contribute to the Department's reputation for producing graduates who have immediately useful skills in industry.

The benefit to the student *

The student will gain experience working as a Research Software Engineer, supporting academic research at the University. They will create a web application and database in a real world environment, that will be used by many researchers around the world to access the results of the research. It is intended that the site will stay live for at least 2 years, so could be referred to as part of their portfolio when applying for jobs in the future.

Skills needed by the student. *

Web application and database development skills. Technologies most commonly used in Research IT are either C#/ASP.NET/SQL Server or Python/Django/MySQL, however other technology stacks will be fine so long as we have people who know them and can continue t support after they have left! Good communication and written skills.

Details of the work that the student would do *

The task will be to design, develop and test a web application and database to support the membrane basementBASE project, on behalf of Research IT. There is currently a static site for the project (https://sites.manchester.ac.uk/bmbase/) which allows researchers to download a spreadsheet of the data and associated images. The student will be asked to create a web application that displays this data in a searchable and user friendly format, and create administrative tools that allow the reseachers to update the data as and when needed. The web application will need to comply with the latest in web accessibility standards. The student will need to meet regularly with the commissioning researchers in order to demonstate work-to-date and gather comments, and document the solution thoroughly.

Infrastructure requirements and any required staff support other than the project supervisor *

None outside of IT Services.

Supervision arrangements throughout the duration of the project (named staff and dates covering the entire duration) *

Andrew Jerrison (main) and Ian Cottam (holiday/sick cover) will be supervising for the duration of the project.

Location of the project work (building/room) NB projects must be on-campus *

Sackville Street Building B43

This content is neither created nor endorsed by Google.

Google Forms