



StudentShapers Recruitment

Developing Origins – an iExplore Module

Bursary:

£2745 over 9 weeks, 4 places available

Who should apply:

Students, ideally second years, from a variety of departments, ideally including one from physics, one from life sciences, one from earth sciences, plus one from none of the above

Campus/Location:

South Kensington

Project details:

The project seeks to collaboratively develop the Origins iExplore STEMM module together with its originator, Dr David Clements, so that it is ready to deliver in the Autumn term of the academic year 2020-21. The Origins course aims to allow students to explore fundamental questions concerning the origin of the universe, matter, life etc. through an interactive and engaging student focussed active learning approach. It will be taken by students from a wide variety of backgrounds from across the faculties of the College, bringing with them very different domain specific knowledge and experience.

During the project staff and students will work collaboratively to develop, write and design:

- The subareas of origins questions to be researched
- the initial resources provided as part of the course
- the support to be provided during class sessions
- the details of assessment methods

The project will last 9 weeks during which time the student shapers and Dr Clements will work together to make sure that student interests, needs and expectations are accurately met by the course. This will include development and dry runs of various aspects of the module, including online quizzes and class wide collaborative mind-map construction.

At the end of the project the students will have experience with course development, educational software, research tools, and a broad appreciation of science's current understanding of origins questions, such as where did the universe come from, and how did life begin on Earth. They will also have valuable experience of collaborative working across a wide range of research fields.

How to apply: Please send an expression of interest to d.clements@imperial.ac.uk including 300-500 words describing your interest in this project.

Deadline: 30th May 2020

Contact details: Dave Clements, Dept Physics, d.clements@imperial.ac.uk