

## StudentShapers Recruitment: Calling on *Earth Sciences & Engineering undergraduate* students

### ***Modernization and integration of Low Temperature Geochemistry in the Earth Science curriculum***

Bursary: £1525 (£305 per week for 5 weeks)

Who should apply: Two positions are available for students currently in the first year and two other positions are available for students currently in year 2 to 4. The most important selection criteria are motivation, a desire to use one's experience to improve the Low Temperature Geochemistry course and a willingness to work as a team. Preference will be given to students who have taken a version of the first year Low Temperature Geochemistry course (at any time during their degree), or that have taken multiple chemistry-related modules (broadly defined) over their degree.

Campus/Location: Remote/online (or South Kensington if face-to-face permitted)

Project details: This StudentShapers project will assemble a team of students that will partner with the instructors of the Low Temperature Geochemistry course to:

- 1) identify the main weaknesses of the course as it currently exists,
- 2) review course material from related higher-level courses and contrast that material with the content of the first-year course Low Temperature Geochemistry course, and
- 3) revise the course material to modernize the content and deliver it in the most effective way.

The objectives of the StudentShapers team will be to develop new class practicals and to contribute to the overall redesign of the class so as to best stimulate the students' interest in the material and also cater to students from a variety of academic backgrounds.

Students have a perspective of the courses they take that instructors cannot have. Through this team project, we want to leverage that student experience and infuse it into the class design to improve its content and delivery. Tell us where you struggled, what you loved, which part of the first-year course was most helpful in latter year, or what you wished you were taught in the first year that would have helped you later on. Bring your ideas!

# STUDENTSHAPERS

By participating in this project, StudentShapers will gain a better understanding of how courses are designed, and importantly, StudentShapers will have a chance to influence the course content for years to come. The student partners will also be paid to deeply engage in the geochemistry discipline and think creatively about how to better link class material covered in different courses throughout their degree.

The Earth Sciences department, which has historically had a strong association with the oil and gas industry, is undergoing a transition, representative of necessary societal changes and mostly motivated by the urgent need to reduce greenhouse gas emissions. Improvements in the undergraduate curriculum are required to reflect this transition. Developing new class material representative of that transition is vital to make our students even more competitive in a job market that is evolving quickly. Work with us to create better courses!

Time/Duration: The project will run over the summer, for 5 weeks. Exact dates to be agreed between the shortlisted StudentShapers participants and the instructors.

How to apply: To apply, simply email a short statement describing your interest in the project. Your statement (300-500 words) should explain why you are motivated to participate in this project, what you hope to get out of the experience, and briefly present some of your ideas for how you to improve the Low Temperature Geochemistry course. Send your email to Dr. Yves Plancherel ([y.plancherel@imperial.ac.uk](mailto:y.plancherel@imperial.ac.uk)); **the title of your email should use the following format: [StudentShapers LTG] – YourName.**

Deadline: **March 28, 2021**

Contact details: **Dr. Yves Plancherel**, [y.plancherel@imperial.ac.uk](mailto:y.plancherel@imperial.ac.uk)