

StudentShapers Recruitment: Calling all 2nd and 3rd year **STEMM** students

'Science, Cooking and Performance' – a novel multidisciplinary i-Explore module by the Chemical Kitchen team

Bursary: 325 GBP x 6 weeks = 1950 GBP

Who should apply: All 2nd and 3rd year UG STEMM faculty students.

Campus/Location: South Kensington campus / remote working

Project details:

Aiming to expand and build on our successful Chemical Kitchen project, we are seeking student partners to collaborate on designing a novel multidisciplinary i-Explore module, provisionally named 'Science, Cooking and Performance'. We aim for this module to be offered to all ICL students by the Department of Chemistry, starting in the academic year 2022/2023. Our collaboration with you – the StudentShapers - will run from Monday, 28 June 2021 to Monday, 9 August 2021.

The Chemical Kitchen project explores the concept of learning across disciplines, taking advantage of how insights into the practices of work can be beneficially shared between apparently unrelated fields. The overlap in the attributes of chefs and those of professional scientists/clinicians formed the basis for a pilot study in the Department of Chemistry (developed in collaboration with student partners) where year 1 undergraduate immersed themselves in the world of gastronomy, receiving skills training in a number of key areas (see <https://doi.org/10.1021/acs.jchemed.0c01047> for a recently-accepted publication on the course).

With the success of Chemical Kitchen and the increasing momentum and interest in the deployment of multidisciplinary learning, we now seek to design a novel i-Explore STEMM / multidisciplinary module – thereby extending the reach of our innovative pedagogy. The proposed i-Explore course, provisionally named 'Science, cooking, and performance', will bring a diverse group of students from across the College together and allow them to harness and celebrate their shared competencies (the Imperial graduate attributes) as they work together to solve a variety of problems, while helping them in their transition from being UG students to becoming independent professionals.

Our initial vision for the format of the module is to combine three types of group-based activities: a kitchen-based creative part, in which students will work with food; a measurement lab-based science part allowing students to evaluate their creations, and a third part encompassing a new and exciting concept of students reflecting on themselves as being professional "performers". Student partners will collaborate with us on designing all 3 parts of the course, and for the 3rd part they will also work alongside experts from Centre for Performance Science (<https://performancescience.ac.uk/>) towards designing activities that will facilitate pupils' journey to re-framing themselves as skilled performers and applying best practice of performance in order to meet the distinctive challenges of their work.

The success of the project will depend on gathering a diverse range of ideas and viewpoints from both staff and students. Student partners will collaborate with us to design the i-Explore course, and identify opportunities for learning across disciplines, both through 'brainstorming sessions' and engaging with teaching staff and students across the College network. You will have considerable flexibility in the project to truly shape the i-Explore module within the framework that we will collaboratively design.

We are looking for students who can think outside the box, are curious and can find creative solutions to problems identified through self-reflection on their own experience as well as their colleague's experience.

STUDENTSHAPERS

To learn more about Chemical Kitchen, click here: <https://www.imperial.ac.uk/about/leadership-and-strategy/provost/vice-provost-education/transforming-our-pedagogy/funded-projects-fons/chemical-kitchen/>

To learn more about iExplore, click here: <https://www.imperial.ac.uk/study/ug/i-explore/>

How to apply:

Please send an e-mail summarizing your interest in the project, your motivation to participate, and your background to chemicalkitchen@imperial.ac.uk (no more than 400 words). All applicants will then have a chance to participate in an interview with the project leaders, after which the selection will be done and announced.

Deadline: 30th of May 2021

Contact details: In case of any questions, please contact Dr Jakub Radzikowski (j.radzikowski@imperial.ac.uk)