

Q-Step Summer Project 2017: Wellcome Trust

Ref: #45 UoMQStep 2017 Wellcome Trust

Team/Department: Education and Learning

Address: 215 Euston Road, London NW1 2BE, UK

Provisional Title for Project: "Developing a Deeper Understanding of 14- to 18-Year-Olds' Relationships with Science"

100 word abstract of what the project would probably undertake, and any data to be used:

The first Science Education Tracker (<https://wellcome.ac.uk/what-we-do/our-work/young-peoples-views-science-education>), published in February 2017, surveyed over 4,000 young people (via the national pupil database) about their experiences of science and science education. The summer project is to use the data (<https://discover.ukdataservice.ac.uk/catalogue/?sn=8119&type=Data%20catalogue>) to explore a number of questions, for instance: exploring the impact of different science options (e.g. 2 or 3 science GCSEs) on outcomes, probably using matched controls; conducting analyses that explore associations between malleable factors and student aspirations; identifying the demographic and geographic characteristics of students that may have limited opportunities or aspirations in science to help target our educational and engagement programmes.

Key Words (up to 12): Science, Education, Engagement, Schools, Policy, Practice, National Pupil Database

Essential and desirable skills that the student would need to have:

Essential: Ability to conduct the necessary analyses
Verbal and written communication skills
Good time management and motivated

Desirable: Presentation skills

Preferred selection method: Interview (can be over phone/Skype)

Support and training offered by the organisation:

We have many interns over the summer, and offer a variety of careers and employability skills opportunities as well as seminars and events relating to Wellcome's wide-ranging work.

Any issues of data confidentiality and/or IPR that would need to be resolved: N/A

Supporting Information: N/A

Financial assistance offered by the organisation: N/A