

UCD 'Science for Schools' in Teeling's Bat Lab

paid research experience for teachers

Who are we looking for?

Passionate and enthusiastic science teachers from the Irish secondary schools

What do we offer?

- 4-week long, paid (3 000€*) research experience in Teeling's laboratory (Bat Lab) at UCD *subject to tax deductions
- Great career development opportunity – participants will enhance their teaching portfolio by producing a free, online transition year programme available to all schools

Programme outline:

Science for Schools is a research experience for secondary school teachers. It will offer two selected teachers an opportunity to join UCD's Laboratory of Molecular Evolution and Mammalian Phylogenetics for four weeks of summer 2014.

Bats are fascinating mammals, which have unique abilities to fly, to navigate in complete darkness, to defy the laws of ageing and to be seemingly immune to deadly viruses. They are a novel and exciting experimental model to better understand how speciation occurs.

During Science for Schools programme, teachers will use bat research as a unique learning tool to explore key biological concepts in Comparative Genomics, Evolution, Ecology and Ecosystems and Speciation. Teachers will receive multidisciplinary training in cutting-edge research techniques: they will get familiar with laboratory skills, will learn how to use basic bioinformatics tools and also participate in field trips.

During the programme teachers will develop a free online transition year programme available to all schools. They will also blog about their experience in Teeling's lab and stimulate education in these areas, highlight what a career in Science is really like and what really goes on in science labs at UCD.

See: http://www.ucd.ie/plantpalaeo/science_for_schools.html for an example of previous Science for Schools experience.

Watch: Prof. Emma Teeling's TEDx talk exploring bats and their usefulness to man:

http://www.ted.com/talks/emma_teeling_the_secret_of_the_bat_genome

Check out: Teeling's bat lab website <http://batlab.ucd.ie/>

Important dates:

Application deadline: send your CV and letter of motivation to Dr. Joanna Kacprzyk (joanna.kacprzyk@ucd.ie) by 9 May 2014

Interviews for selected candidates: week starting 26 May 2014

Final decision: week starting 2 June 2014

Programme duration: 30 June to 25 July 2014

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- Science Foundation Ireland Discover



- UCD Earth Institute



UCD Earth Institute

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- European Research Council

