Department of Chemistry

PhD Studentships

Professor Patrick Unwin

PhD project: Nanoscale Electrochemistry & Electrochemical Imaging
2 positions for Early Stage Researchers, ESRs

Funding availability: Open to all non-UK students globally
Deadline: 28 Feb 2019 at 11 ppm (UK time)

Project description: As part of the SINGLE ENTITY NANOELECTROCHEMISTRY (SENTINEL) H2020 Marie Skłodowska Curie European Training Network, applications are invited from highly qualified and motivated young researchers to work full time on projects under a PhD program hosted across European countries, with the further opportunity for secondments in top groups worldwide. These positions are exceptionally well-funded (salary, training, research and travel budget) and provide an opportunity to engage in exciting frontier research. Two of these positions are at the University of Warwick in the world-leading group of Prof. Patrick Unwin.

What is SENTINEL about?

Electrochemistry is the enabling science to address key problems of major societal relevance, spanning from electrocatalysis, in the context of energy conversion (e.g. fuel cells and solar cells) and energy storage (battery and water splitting technologies), to the development of advanced analytical tools for environmental monitoring and point-of-care medical diagnostics. The aim of SENTINEL is to join the leading teams from across Europe, with global partners in industry (SMEs and multinationals) and the academic sector in the USA and China so that together they can equip a next generation of scientists with the frontier skills and techniques in this critical area of science.

SENTINEL will complement its scientific training with innovative and world-class coaching techniques.

SENTINEL is distinct, new and ambitious.

Positions hosted at University of Warwick, UK – Supervisor: Prof Pat Unwin

- ESR10: Advanced Nanoscale Electrochemical Imaging: Applications from Electrocatalysis to Living Cells
- ESR11: Electrochemical Nanoprobes for Single-Entity Analysis

Other positions (15) in the labs of other European partners, please check the following link:

https://euraxess.ec.europa.eu/jobs/375060
Requirements:

- BSc and/or Masters Degree in Chemistry or Biochemistry, Physics, Engineering, Mathematics or Biology
- Less than 4 years' research experience
- Excellent spoken and written English and good communication skills
- Candidates must not already have a PhD at the employment start date
- Candidates must not have lived in or carried out their main activity (work or study) in the hosting country (UK) for more than 12 months in the 3 years immediately prior to their recruitment start date

How to apply: Please submit your application in PDF format to sentinel@leeds.ac.uk quoting the ESR number of the post you are applying for in the subject line. Your application should consist of:

- Your CV
- Your full contact details
- A statement about your research interests
- A copy of the certificate for your Diploma and/or Masters Degree
- Contact details for at least 3 referees

Please direct informal enquiries and requests for further information to Professor Patrick Unwin (p.r.unwin@warwick.ac.uk)