



Coláiste na Tríonóide, Baile Átha Cliath
Trinity College Dublin

Ollscoil Átha Cliath | The University of Dublin

Open PhD positions in Materials Chemistry and Green Electrochemistry

Applications are invited for two funded PhD positions under the supervision of Prof. Paula E. Colavita (<https://sites.google.com/site/colavitagroup/> and @ColavitaGroup) in the area of materials physical chemistry and electrochemical transformations.

Electricity from renewable sources can be used to reduce the carbon footprint and energy intensity of reactions that are important in our economy; however novel electrode materials will be needed to enable these more sustainable processes. In this project, students will aim at designing and optimizing electrocatalyst materials to enable novel organic transformations and at investigating their applicability to the valorisation of bioresources.

The student/s will develop skills in the areas of materials synthesis/deposition, thin-film methods, surface and chemical analysis, and electrochemistry. The work will be carried out in the highly international and collaborative scientific environment offered by the School of Chemistry at Trinity College Dublin (<https://chemistry.tcd.ie/>) and offers excellent opportunities for developing a strong research portfolio and an interdisciplinary background.

Candidates should be highly motivated, enthusiastic about research and have a BSc or equivalent (minimum) in chemistry/physics/materials science. Funding is for 4 years and includes competitive stipend and fixed contribution towards postgraduate fees (EU-fee level).

Starting date: September 2020 (negotiable).

Interested applicants should email cover letter, transcripts, CV and 2 referee contacts to Prof. Colavita at: <colavitp@tcd.ie>

Prof. Paula E. Colavita
Scoil na Ceimice
Dámh na hinnealtóireachta,
na Matamaitice agus na hEolaíochta,
Coláiste na Tríonóide, Baile Átha Cliath
Ollscoil Átha Cliath
Baile Átha Cliath 2, Éire.

Prof. Paula E. Colavita
School of Chemistry
Faculty of Engineering,
Mathematics and Science,
Trinity College Dublin
The University of Dublin,
Dunlin 2, Ireland

+353 1 896 3562
www.tcd.ie/chemistry
colavitp@tcd.ie