



PhD Position Available in Trinity College Dublin

Applications from outstanding and highly motivated students are invited for a fully funded 4-year PhD position (€16,000 per annum + academic fees) in the Computational Catalysis and Energy Materials (CCEM) Group led by Dr. Max García-Melchor. The position is partially funded through the generous alumni donations and Trinity's Commercial Revenue Unit, and is one of the 40 prestigious Provost's PhD Project Awards offered across a wide variety of disciplines.

Project Description

The PhD project will involve the use of state-of-the-art computational methods and machine learning algorithms (depending on the candidate's background) to accelerate the design of cost-effective electrocatalysts for the sustainable production of chemical feedstocks and energy carriers. This research will be conducted in the CCEM group, an exciting and dynamic research team. The successful applicant will be trained to the highest standards and encouraged to develop her/his technical and transferable skills. In addition, s/he will attend courses on the Dublin Chemistry Programme, group meetings, seminars, and international conferences.

Eligibility Criteria

Candidates should be in possession of a first class honours (or equivalent) BSc and/or MSc in Chemistry, Computational Chemistry, Nanoscience, Chemical Engineering, or related discipline before the starting date (see below). Good oral and written communication skills in English are required. Previous experience in molecular modelling and programming is highly desirable. **Starting date is September 2019**, or as soon as possible thereafter.

Applications from female candidates and those from under-represented backgrounds are strongly encouraged. Trinity College Dublin is an equal opportunities employer and is committed to the continued development of employment policies, procedures and practices which do not discriminate on grounds such as gender, civil status, family status, ethnicity, age, disability, sexual orientation, religion or membership of the Travelling community.

Application Process

The application package must include a motivation letter, CV, and the contact details of two academic references. Documents should be emailed to Prof. García-Melchor (garciamm@tcd.ie) by **July 20nd 2019**. Shortlisted candidates may be interviewed via Skype. Further details on the CCEM group can be found at: www.ccem-group.com