



NUI Galway  
OÉ Gaillimh

**PhD position – Biomolecular Electronics Research Laboratory  
School of Chemistry & Ryan Institute  
National University of Ireland Galway**

*Enzyme-Based Electrochemical Devices for Detection of Clinical Analytes*

Expressions of interest are invited from suitably qualified candidates for a PhD position, starting in September 2021, affiliated to the Biomolecular Electronics Research Laboratory.

The successful candidate will undertake training and research on ‘Enzyme-Based Electrochemical Devices for Detection of Clinical Analytes’.

The Biomolecular Electronics Research Laboratory, Director Prof. Dónal Leech, was established in NUI Galway in 1997. Research in the laboratory focuses on preparation and characterisation of electron-transfer catalysts and modified electrode surfaces directed to eventual application as sensors and fuel cell electrodes. Information about research in the Biomolecular Electronics Research Laboratory is available at:

<http://www.nuigalway.ie/our-research/people/chemistry/donalleech/>

This funded research programme seeks to develop and implement next-generation technologies for production of electrochemical enzyme-based devices applicable to detection of clinical analytes in body fluids.

The successful candidate will enroll in the School of Chemistry 4-year structured PhD programme at NUI Galway <http://www.nuigalway.ie/courses/research-postgraduate-programmes/structured-phd/chemistry.html/>. The PhD fee and a tax-exempt scholarship stipend of €14,400 pa in 2021 (rising to €16,000 in year 2) is available to the successful candidate.

This full-time scholarship will be offered for a period of **48 months** and will commence in September 2021.

**Requirements**

- BSc Degree (2.1 or equivalent) and/or Master in Chemistry, or related area.
- High level of spoken and written English and good communication skills.

**Host Institution**

Located in the vibrant cultural city of Galway in the west of Ireland, with over 18,000 students and more than 2,400 staff, NUI Galway has a distinguished reputation for teaching and research excellence.

Expressions of interest comprising submission of a covering letter, CV, statement of personal research interests, evidence of performance at BSc and MSc or equivalent and the contact details of two referees, to be submitted via e-mail to Professor Dónal Leech ([donal.leech@nuigalway.ie](mailto:donal.leech@nuigalway.ie)) by **July 16<sup>th</sup> 2021**.