



OLLSCOIL NA
GAILLIMHE
UNIVERSITY
OF GALWAY



Postdoctoral Researcher – Molecular Biology

CÚRAM, SFI Research Centre for Medical Devices

University of Galway, Galway, Ireland

Ref. No. University of Galway 073-23

Applications are invited from suitably qualified candidates for a full-time, fixed term contract as a Postdoctoral Researcher at the CÚRAM SFI Centre for Research in Medical Devices University of Galway, Galway. The position is available from April 2023 to 31st December 2024, subject to an initial one-year probationary period. This position is funded by Science Foundation Ireland.

Organisation: CÚRAM, SFI Research Centre for Medical Devices is a national, SFI funded, research centre that brings together researchers from University of Galway and other leading universities from Ireland. The prime objective for CÚRAM is to radically improve health outcomes for patients by developing innovative implantable ‘smart’ medical devices to treat major unmet medical needs. Implants will be designed and manufactured to respond to the body’s environment and to deliver therapeutic agents, such as drugs, exactly where needed. Cutting-edge science will develop devices using the very latest research from biomaterials, stem cells and drug delivery and the support of strong clinical collaborations, industry partners and hospital groups to enable rapid translation to the clinic.

Job Description: The role of the postdoctoral researcher in molecular biology is to contribute to multiple projects in the development of the current portfolio of smart, implantable medical devices and support other projects in the area. The candidate will be based in Professor Abhay Pandit’s research group. Professor Pandit’s research integrates biomaterial science that involve biological paradigms in developing solutions for chronic diseases.

The successful applicant will be responsible for managing both the research administrative and technical running of the lab on a day-to-day basis. Technical roles will include management of cell lines, aiding in the establishment of new equipment (in collaboration with researchers), and assisting with the development and execution of novel experimental protocols where needed.

The candidate will be expected to have performed original scientific research in a field allied to the scientific objectives of CÚRAM. In particular, hands-on experience in cell assay development, molecular biology and proteomics techniques, primary tissue culture techniques, bioinformatics, advanced microscopy imaging, immunohistochemistry preclinical models are essential

Candidates should have excellent communication and organizational skills, be highly motivated and passionate about designing the next generation of ‘smart’ medical devices and have strong documentation, oral and interpersonal skills. The position requires communication with the different partners of the consortium, and thus excellent communication skills are mandatory. The position also requires the submission of grant applications to various funding bodies.

Duties and Responsibilities:

- Work independently to design, co-ordinate and implement specific research activities
- Training and supervision of current and new lab members
- Support grant submission and research training activities
- Contribute to dissemination of research findings through publication and conferences.
- Submission of technical reports

- Purchasing of equipment, management of research ethics and health and safety protocols and associated documentation
- Oversight and management of maintenance of equipment

Essential Criteria:

- PhD in a field relevant to the research activities preferable in Molecular Biology
- Demonstrable experience in both independent and collaborative research activities
- Excellent verbal and written communication skills (English language)
- Evidence of scientific publication and dissemination of results at conferences
- Evidence of developing cell and molecular assays

Desirable Criteria:

- Minimum two first-author publications in a relevant high-impact journal
- Experience in hands-on assays in Tissue Engineering/ Biomaterials/Stem cells/ Regenerative Medicine and related areas
- Supervisory or teaching experience in a laboratory environment
- Experience in project management
- Evidence of submission of funding applications
- Histology and glycomics experience

Salary: €42,032 – €54,153

Further information on research and working at University of Galway is available on [Research at University of Galway](#)

For information on moving to Ireland please see www.euraxess.ie

For informal enquiries about this post please contact us at curam@universityofgalway.ie

To Apply:

Applications to include a covering letter, CV, and the contact details of three referees should be sent, via e-mail (in word or PDF only) to Dr Iain Shaw (curam@universityofgalway.ie).

Please put reference number University of Galway 073-23 in subject line of e-mail application.

Closing date for receipt of applications is 5.00 pm on 6th of April 2023

All positions are recruited in line with Open, Transparent, Merit (OTM) and Competency based recruitment.

University of Galway, Galway is an equal opportunities employer.

