**PhD Scholarship Advertisement**

Fully Funded PhD Scholarship in Biomaterials synthesis and Cartilage Tissue Engineering research in department of Anatomy, School of Medicine

Application(s) are invited from suitably qualified candidates for full-time funded PhD scholarship starting in September, 2024 affiliated to the School of Medicine at the University of Galway.

**University of Galway**

Located in the vibrant cultural city of Galway in the west of Ireland, the University of Galway has a distinguished reputation for teaching and [research excellence](https://www.universityofgalway.ie/our-research/)

For information on moving to Ireland please see [www.euraxess.ie](http://www.euraxess.ie)

**Detailed Project Description:** This SFI-IRC funded PhD position aims to revolutionize knee surgery by introducing an innovative approach. Our aim is to replace invasive knee arthroplasty with an injectable shape memory scaffold. This scaffold, loaded with a pain-relieving therapeutic agent, can withstand joint forces and halt cartilage degeneration while providing relief from chronic pain of osteoarthritis.

Our project addresses the major hurdles in the treatment of OA:

* Development of an injectable cryogel scaffold with shape memory properties to support and preserve joints affected by OA.
* Development of a minimally invasive delivery strategy for the shape memory scaffold for long-term preservation of the knee joint, bypassing invasive surgery.

**Living allowance (Stipend):** € 22,000 per annum, [tax-exempt scholarship award]

**University fees**: 5,500 per annum

**Start date**: September 2024

**Academic Entry Requirements:** Bachelor’s/Master's degree in pharmacy, pharmaceutical chemistry, cell biology, biotechnology, biochemistry or related field.

Desirable qualifications:

• Research experience in cell biology and animal models.

• Proficiency in basic laboratory techniques.

• Basic knowledge of biomaterials.

• Strong communication and teamwork skills.

**To Apply for the Scholarship:** To apply, send your complete resume, a cover letter, and at least two referee letters to tapas.mitra@universityofgalway.ie and include “Applying for PhD\_Name” in the subject line of your email.

**Contact Name:** Dr. Tapas Mitra

**Contact Email:** tapas.mitra@universityofgalway.ie

**Application Deadline:** date 12 /05/ 2024and time 24:00 (Irish time 24hr format)