

The National University of Ireland, Galway (NUI Galway) (Irish: Ollscoil na hÉireann, Gaillimh or OÉ Gaillimh) is a constituent university of the National University of Ireland. It is a tertiary-level educational institution located in Galway, Ireland. The university was founded in 1845 as Queen's College, Galway, and was more recently known as University College, Galway (UCG).

NUI Galway is a member of the Coimbra Group, a network of 40 long-established European universities. NUI Galway has over: 17,000 students, 2,000 international students from 92 countries and 2,400 staff members.

Anatomy is part of the School of Medicine within the College of Medicine, Nursing, & Health Sciences. Construction has just started on a new Human Biology Building (below) (8,200m²) Completion date 2016 this will house Anatomy, Physiology & Pharmacology and Therapeutics.



Modern Anatomy is about placing function in a structural context and providing adequate spatial and temporal resolution of cellular events.

Postgraduate students will be expected to complete a research project within one of our areas of interest using the extensive range of technologies available in the discipline of Anatomy. Additionally, it is envisaged that postgraduate students will participate in scientific cross-over with intra-institutional and external laboratories. It is also expected that the PhD students would contribute to teaching activities of the discipline. Admission to our research programmes requires prior approval of the discipline. Please contact the discipline administrator to arrange to meet the relevant staff member for informal discussion concerning research degrees.

Anatomy is a key node within the National Biophotonics and Imaging Platform <http://www.nbipireland.ie> and the home of the Centre for Microscopy and Imaging (<http://imaging.nuigalway.ie/>).

Programmes available:

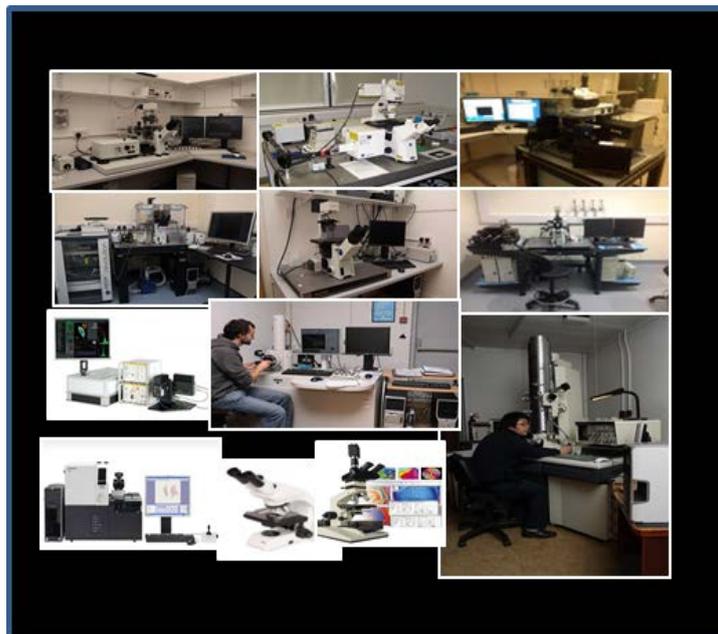
PhD (Anatomy), full-time, PhD (Anatomy), part-time, MSc (Anatomy), full-time, MSc (Anatomy), part-time

Entry requirements: PhD candidates should normally have a high honours standard in a relevant academic discipline at primary degree level or equivalent together with the support of an academic staff member who is approved by the College to supervise the research in terms of its nature and scope. Candidates may be required to submit a research proposal for consideration by the School as part of their application.

Areas of Research Interest:

- Reproductive Biology: Integrative reproduction: structure/function of human endometrium, environmental endocrine disruption, feto-maternal interface
- Skin Structure and Function
- Neurobiology: Spinal cord development and injury,
- Neuroimaging: Understanding the biological basis of mood and anxiety disorders and psychosis In vivo and post-mortem human brain imaging using structural and diffusion MRI, advanced MR image analysis such as non-tensor based tractography
- Matrix Biology: Role of the extracellular matrix, of matrix receptors and signalling.
- Phenotypic analysis of models of disease
- Chromosome Biology/ Cellular responses to DNA damage
- Cardiovascular Biology
- Tissue Engineering/ Biomaterials tissue interactions
- Glycobiology

Technologies available:



- Sampling design; Stereology; Image analysis
- Microscopy: Confocal/ambient and low temperature Electron Microscopy
- Immunocytochemistry, In situ hybridization, PCR, Lectin Histochemistry

For Full Details see following websites:

Researcher Profiles: www.nuigalway.ie/anatomy/staff.html

Technologies available: <http://imaging.nuigalway.ie/>

Staff:

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