



Glycoscience Group

Alimentary Glycoscience Research Cluster

Postdoctoral Research Scientists (5 posts) – Ref. no. NUIG 92-11

Carbohydrates (glycans) coat every living cell and are involved in almost all essential biological processes and many diseases. Glycans and their corresponding proteins (lectins) are also critical in host-microbial interactions including pathogenic and symbiotic bacterial colonization in the gut. The Glycoscience Group are developing novel tools for exploring these interactions in order to improve our understanding of pathogenic and symbiotic relationships between hosts and microbes and ultimately to develop novel antimicrobials and diagnostic approaches.

The above vacancies have arisen because of a number of recent awards to the Glycoscience Group. These include continuation of funding for the Science Foundation Ireland-funded Alimentary Glycoscience Research Cluster, following a recent successful review. The Glycoscience Group was also successful in the SFI-funded TIDA (Technology and Innovation Development Award) Feasibility Study 2011 programme and in the FIRM Dairy programme (2010) administered by DAFF (Department of Agriculture, Fisheries and Food). One of the positions is funded by industry. Posts vary in duration from 9-24 months.

Highly motivated and talented individuals with a Ph.D. in Biochemistry, Microbiology or a related discipline are required to fill these posts. Applicants for all positions should have had some previous experience in the field of Glycoscience and should be able to demonstrate a strong interest in the subject. Additional skill sets should include one or more of the following, depending on the position: transcriptomic analysis, protein microarray analysis, phage display, antibody-based analysis, protein purification methods, affinity chromatography, protein conjugation. Applicants should also have experience in basic biochemical and microbiological techniques.

For further informal discussion about these posts please e-mail Professor Lokesh Joshi (Lokesh.joshi@nuigalway.ie) or Dr. Marian Kane (marian.kane@nuigalway.ie)

Salary: €38,286 - €44,871 (Public sector pay policy pertaining to new entrants will apply)

TO APPLY: Interested candidates should send a CV with covering letter and the names and contact details of two referees via e-mail (in word or PDF format only) to: maria.brady@nuigalway.ie

Applicants must put ref. no. NUIG-92-11 in subject line of e-mail application.

Closing date for receipt of applications is 5pm on Friday 13th January 2012.

For information on related postgraduate opportunities please see [Postgraduate opportunities](#)

