

The roles that sugars play in biology are just as important as those of the better-characterized DNA, RNA, and proteins. Sugar chains or glycans affect cell-cell interactions, immune function, and protein regulation, and disruption of their biology can result in disease. The health effects of the food glycome is an untapped reservoir for a new generation of young scientists to explore.



Moorepark Food
Research Centre



Interested in Scientific Research?

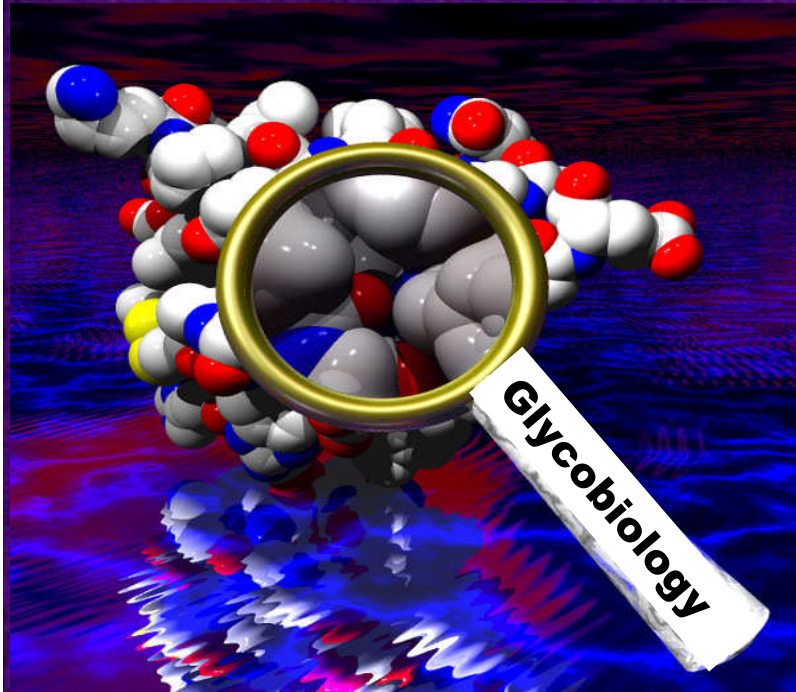
Postgraduate opportunities at Teagasc

Applications are invited for a Masters or PhD Walsh fellowship at Moorepark Food Research Centre (MFRC), Fermoy, Co. Cork in collaboration with the Glycoscience and Glycotechnology Research Group at the National University of Ireland, Galway.

The successful applicant will work on food-derived glycoproteins with specific health-related properties such prevention of bacterial infection. Technologies utilised will include: Glycan extraction and analysis by a range of different techniques, tissue culture studies, lectin arrays and *in vivo* models of infection.

Research will be carried out under the joint supervision of Drs. Rita Hickey (MFRC), Raj Mehra (MFRC) and Prof. Lokesh Joshi (NUIG).

Visit www.teagasc.ie for postgraduate opportunities



- €21,000 per annum including fees
- Based in Teagasc, Moorepark Food Research Centre
- Duration 2 years (MSc), 3 years (PhD), 4 years for structured PhD with training modules
- Honours graduates of Microbiology, Biochemistry, Biotechnology, Food Science or related discipline required

Contact:

Dr. Rita Hickey (Phone: 025 42227, Email: rita.hickey@teagasc.ie)

Dr. Raj Mehra (Phone: 025 42233, Email: raj.mehra@teagasc.ie)

Prof. Lokesh Joshi (Phone: 091-495768, Email: Lokesh.Joshi@nuigalway.ie)

for more information or apply by sending your CV via email to any of the above (closing date 19th June, 2009)

