

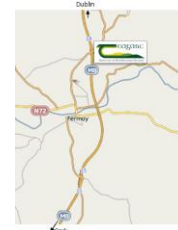
The roles that sugars play in biology are just as important as those of the better-characterized DNA, RNA, and proteins. Sugar chains or glycans affect cell-cell interactions, immune function, and protein regulation, and disruption of their biology can result in disease. The health effects of the food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



**UCC**  
Coláiste na hOllscoile Corcaigh, Éire  
University College Cork, Ireland



**Teagasc Food  
Research  
Centre**



## Interested in Scientific Research?

### Postgraduate opportunity at Teagasc

Applications are invited for a PhD Walsh fellowship position at Teagasc Food Research Centre, Moorepark, Fermoy, Co. Cork in collaboration with University College Cork and a leading infant formula company

The project aims to further investigate the health promoting properties of human milk oligosaccharides and develop next generation products capable of improving infant health. Lab and pilot-plant based methods and techniques include: mammalian tissue culture, bacterial culturing and propagation, standard HPLC, biochemical and biological assays, carbohydrate analysis and beverage formulation.

Research will be carried out under the joint supervision of Dr. Rita Hickey (Teagasc) and Prof. Douwe Van Sinderen (UCC).

Visit for [www.teagasc.ie](http://www.teagasc.ie) postgraduate opportunities (Reference 2017205)

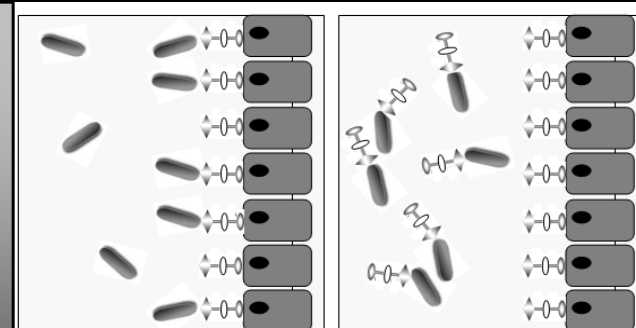


- €22,000 per annum including fees
- Based in Teagasc Food Research Centre, Moorepark, Fermoy, Co.Cork
- Duration 4 years (PhD), 1 position available
- Honours graduates of Microbiology, Biochemistry, Biotechnology, Food Science or related discipline required

**Contact:**

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

for more information or apply by sending your CV via email (closing date 9th July, 2017)



Pathogen  
 Milk Oligosaccharide  
 Mucosal cell with bound receptor