



## PRESTIGIOUS JOURNAL RECOGNISES WORK OF CORK SCIENTISTS

### Evelyn's research at cutting edge

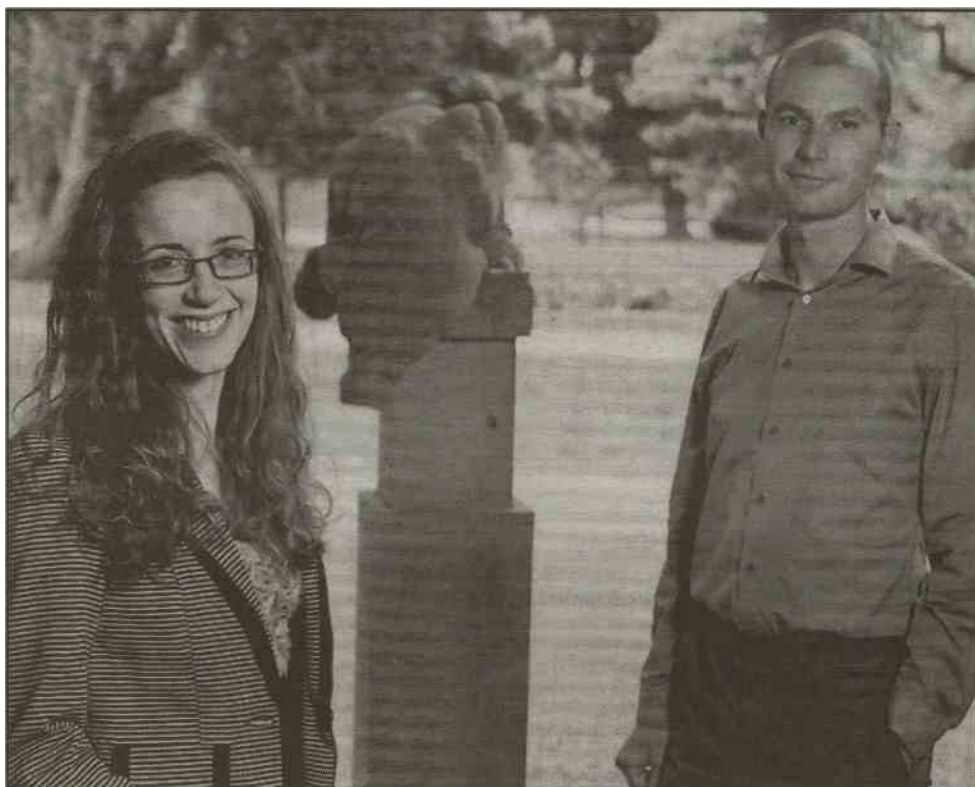
A **UCC** PhD student is among scientists who have published research which could lead to improved treatment of human diseases.

Lead author of the review, Evelyn M Molloy, is a PhD student in microbiology at the Alimentary Pharmabiotic Centre (APC), **UCC**, under the supervision of Paul Cotter, Colin Hill and Paul Ross. Originally from Waterford city, she has been based in Cork for the last eight years, studying as an undergraduate and postgraduate student in **UCC** and lives in The Lough area.

The APC, is a research centre funded by Science Foundation Ireland and industry partners, and focuses on research in gastrointestinal health. It

was recently ranked number two in the world for probiotics research. The new research published, involves collaboration between Dr Molloy, Teagasc Moorepark Food Research Centre, and the University of Illinois, and was published in Nature Reviews Microbiology.

The scientists discussed the identification, genetics and biochemistry of streptolysin S (SLS), a bacterial toxin produced by the bacteria *Streptococcus pyogenes* — which causes a wide variety of infections of the upper respiratory tract and the skin, with complications leading to "flesh-eating" skin disease, necrotising fasciitis, and streptococcal toxic shock syndrome.



Evelyn Molloy, PhD student at Alimentary Pharmabiotic Centre, **UCC**, and Dr Paul Cotter, Principal Research Officer, Teagasc Food Research Centre and Principal Investigator, Alimentary Pharmabiotic Centre, Teagasc Moorepark, authors in Nature Reviews Microbiology.