

PhD Positions in Viral Immune Evasion

Trinity College Dublin

The Brady lab in the School of Medicine, Trinity Translational Medicine Institute (TTMI) is seeking motivated and passionate candidates to embark on a PhD in Viral Immune Evasion.

This is a fully-SFI-funded Position where the accepted candidate will receive tuition fees for up to four years, a tax-free stipend of €18,500 and a travel allowance for research and training.

The Brady *Translational Inflammation Research Group* (TIRG) is located within the Trinity Translational Medicine Institute (TTMI) and has collaborative associations with local clinical researchers providing a strong translational base to our research. Our key focus is on understanding how human-adapted viruses inhibit host innate anti-viral signaling systems using the poxvirus *Molluscum Contagiosum Virus* (MCV) as a model. It causes a common, long-duration infection with minimal inflammation around characteristic papular skin lesions despite being continually loaded with live virus. This suggests highly effective, targeted inhibition of human anti-viral responses. We believe that understanding how MCV achieves this level of innate immune inhibition may offer key insights into human innate signaling pathways and potential therapeutic tools to inhibit these pathways in diseases defined by inflammation. Our previous screening of the MCV genome identified several novel inhibitors of inflammation whose mechanisms of inhibition remain to be fully elucidated. Each PhD position will investigate one of these inhibitors using innate immune signaling, molecular biology and biochemical techniques to unravel how these inhibitors function and what they can tell us about human innate immunity.

- 2.1 grade (or equivalent) in an undergraduate or postgraduate degree in Biochemistry, Immunology, Molecular Medicine or related discipline.
- Non-native English speakers require at least IELTS 6.5 (with at least 6 in all components) or equivalent.
- Send applications to Dr Gareth Brady (bradyg1@tcd.ie) attaching a CV.

Applications Open: 1st June 2020

Applications Close: 31st July 2020 (17:00 GMT)

Interviews: August 15th 2020 (Skype/Zoom will be used)

Position begins: September 2020

