

Postdoctoral Research Position in Viral Immune Evasion

Trinity College Dublin

The Brady lab in the School of Medicine, Trinity Translational Medicine Institute (TTMI) is seeking an experienced, motivated and passionate researcher to undertake a postdoctoral research project in Viral Immune Evasion.

This is a fully-SFI-funded 3-year Post-Doctoral Position (Level 2A/Point 1: starting salary €50,626).

The Brady *Translational Inflammation Research Group* (TIRG) is located within 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. The project involves investigation of these inhibitors using innate immune signaling, molecular biology and biochemical techniques to unravel how these inhibitors function, what they can tell us about human innate immunity and the potential therapeutic use of their derivatives.

- Required: PhD in Biochemistry, Molecular Biology or related discipline. Background in Innate Immune Signaling, Immunology, Biochemistry and Molecular Biology techniques as well as Animal Handling Experience.
- 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

