



**PhD Opportunity  
in  
Trinity College Institute of Neuroscience (TCIN):**

Principal Investigator (PI): Dr. Sarah Doyle  
Co-PI: Prof. Andrew Bowie

We have an opening for a talented and motivated student to undertake a PhD research project to elucidate the role of TIR adaptor protein SARM1, in retinal degeneration. The research will cover aspects of molecular, cellular and tissue biology and will allow the student to become proficient in numerous technical skills under the guidance of highly qualified post-doctoral researchers. Including but not limited to:

- Cell culture
- RNA, DNA and protein isolation
- Plasmid design and preparation
- Western Blot, qRT-PCR and ELISA
- High throughput colorimetric/fluorimetric assays
- Animal maintenance and genotyping
- Retinal dissection, flatmounting and tissue sectioning
- Tissue explant

The multi-disciplinary nature of this project requires an ambitious and self-driven student with the ability to take direction and work in a team environment.

Applicants must have an honours level B.Sc in Biochemistry, Molecular and Cellular Biology, Immunology, Genetics or similar.

Evidence of previous lab experience is a requirement.

Interested candidates can send a cover letter and CV to [sarah.doyle@tcd.ie](mailto:sarah.doyle@tcd.ie) with “PhD application” in the subject line. Informal enquiries welcome.

Deadline for applications: 1<sup>st</sup> August 2018

Interviews: 7<sup>th</sup> of August 2018

Start: Q4 2018

**An Dr Sarah Doyle**

*Léachtóir le hImdhíoneolaíocht.  
Comhordaitheoir Shláinte agus Ghalair  
an Duine don chéad bhliain.*

**Roinn an Leighis Chliniciúil, Scoil an Leighis**

Coláiste na Tríonóide,  
Baile Átha Cliath,  
Ollscoil Átha Cliath,  
Baile Átha Cliath 2, Éire

**Dr Sarah Doyle**

*Lecturer in Immunology,  
Junior Freshman Human Health  
and Disease Coordinator.*

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