



**Trinity College Dublin**  
Coláiste na Tríonóide, Baile Átha Cliath  
The University of Dublin

## **Post-doctoral research fellow in bioreactor / lab-on-a-chip design**

A funded post-doctoral research position had become available in the area of bioreactor design for ocular tissue engineering and mechanobiology. The aim of this project will be to develop fluid bioreactors or organ-on-a-chip devices that will be used to study the effect of fluid flow on the behaviour of corneal and trabecular meshwork cells in three-dimensional constructs. The successful candidates will have access to state-of-the-art facilities at the Trinity Centre for Biomedical Engineering and training in specific biological and bioengineering techniques will be provided. There will also be the opportunity to attend international conferences.

Candidates require a PhD in a relevant discipline and evidence of scholarly output. Candidates should have experience in the design and application of bioreactors, fluidic systems, lab-on-a-chip devices or other similar devices. Previous experience in any of the following would be desirable: cell culture and microscopy, PCR, western blotting, tissue engineering and biomaterials synthesis. Closing date for applications is 15<sup>th</sup> July 2022 with interviews to be held in early August. The expected start date is 1<sup>st</sup> September although this can be adjusted if necessary.

Interested candidates for this exciting opportunity should send a CV, cover letter and contact details for two referees to Prof. Mark Ahearne via e-mail ([ahearnm@tcd.ie](mailto:ahearnm@tcd.ie)). Informal enquires are welcome. Further details about Prof. Ahearnes research and the Trinity Centre for Bioengineering can be found at [Ahearne Lab](#) and [TCBE](#)