



*Royal College of Surgeons in Ireland*

## **MSCA Individual Fellowship Opportunity: Targeting Bile Acids in Treatment of Intestinal Disease.**

Are you a highly-motivated early career researcher looking for new research challenges and the opportunity to travel abroad? If so, then a Marie Skłodowska-Curie Individual Fellowship<sup>1</sup> could be for you. We are looking for postdoctoral researchers interested in a 2 year position funded by the Marie Skłodowska-Curie Actions. In collaboration with us, the candidate will write a proposal for an MSCA Individual Fellowship. The specific project will be in the general area of “Therapeutic Targeting of Bile acids for Intestinal Diseases” and can be designed around your own prior research experience and future training requirements.

**About MSCA Individual Fellowships.** Individual Fellowships will support the mobility, career development, and training of researchers within and beyond Europe. The grant usually covers two years' salary, a mobility allowance, research costs and overheads for the host institution. Individual researchers submit proposals for funding in liaison with their planned host organisation. Proposals are judged on their research quality, the researcher's future career prospects, the support offered by the host organisation, and the potential impact on Europe's knowledge base and/or innovation capacity. Fellows can also spend part of the fellowship elsewhere in Europe if this would boost impact, and those restarting their research career in Europe or reintegrating into Europe from outside benefit from special eligibility conditions.

### **Host Details**

**Institution:** Royal College of Surgeons in Ireland ([www.rcsi.ie](http://www.rcsi.ie))

**Principal Investigator:** Dr. Stephen Keely (<http://pi.rcsi.ie/pi/skeely/pi.asp>)

**Research Area:** Although intestinal disorders, such as irritable bowel syndrome, inflammatory bowel diseases, and infectious diseases, represent a huge global burden, there is still a lack of safe and efficacious drugs for their treatment. Our research aims to fill this therapeutic gap by developing new drugs that target intestinal epithelial cells to prevent inflammation and dysregulated transport/barrier function in the intestinal tract. Our current projects are primarily focused on developing bile acids and their receptors as new therapeutic targets for intestinal disease. To this end, we employ electrophysiological, molecular, imaging, immunochemical, and biochemical approaches to elucidate the signaling, transcriptional and trafficking mechanisms that mediate bile acid actions on intestinal epithelial transport and barrier function.

**For more information please contact:** Dr. Stephen Keely (PhD), Dept of Molecular Medicine, RCSI Education and Research Centre, Beaumont Hospital, Dublin 9, Ireland.

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<sup>1</sup> <http://www.iaa.ie/irish-marie-curie-office/funding-calls/individual-fellowships/>