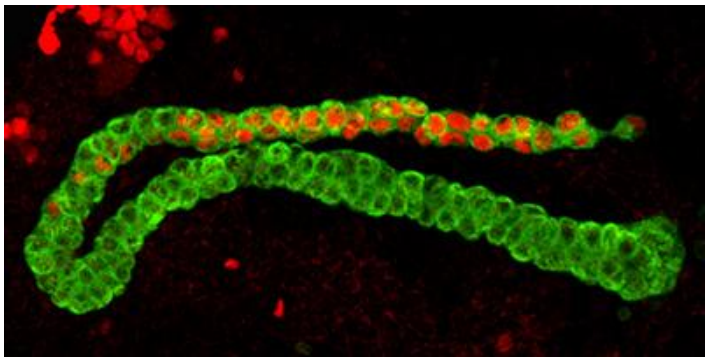
eastbio
the East of Scotland Bioscience Doctoral Training Partnership

BBSRC
bioscience for the future

Shaping bioscience research training in the East of Scotland

PhD Position:
Emergence of functional polarity in a tubular epithelium



Epithelial tubes often have a functional polarity written along their proximo-distal (P-D) axis, with different segments of specialised cell-types carrying out distinct physiological activities. With a handful of notable exceptions, we know very little about how P-D axes and segment-specific differentiation are regulated during organogenesis.

The major objective of this project is to understand the molecular and cellular mechanisms that pattern and maintain functional polarity along the P-D axis in a structurally simple, but functionally sophisticated epithelial tube: the insect renal tubule.

The project will be carried out in the laboratory of Barry Denholm (Biomedical Sciences, University of Edinburgh)

About the lab and department:
https://www.ed.ac.uk/discovery-brain-sciences/our-staff/research-groups/barry-denholm
https://denholmlab.wordpress.com
https://twitter.com/denholmlab

Further information about the project and details of how to apply:
https://www.findaphd.com/search/ProjectDetails.aspx?PJID=100840

https://www.ed.ac.uk/roslin/postgraduate/studentships/emergence-of-functional-polarity-in-a-tubular-epithelium

Completed application form along with your curriculum vitae should be sent to our PGR student team at RDSVS.PGR.Admin@ed.ac.uk
Download application and reference forms via: https://www.ed.ac.uk/roslin/postgraduate/bbsrc-eastbio-dtp

Closing Date: 5th December 2018

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