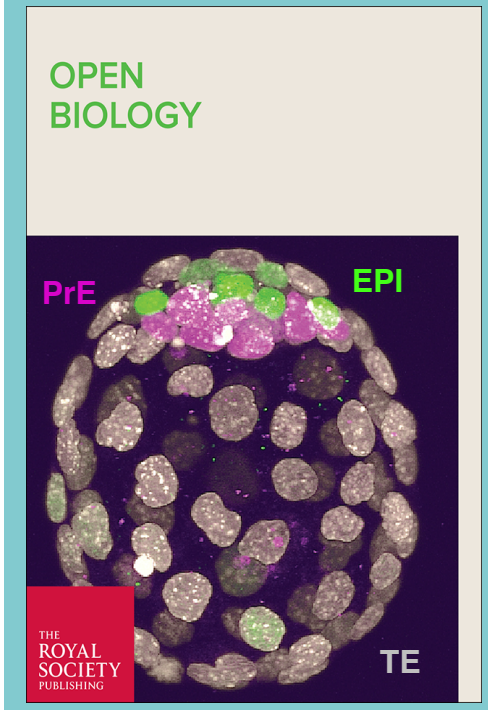
Post Doctoral position in molecular preimplantation mouse embryo development

Lab. of Developmental Biology & Genetics (LDB&G – Bruce group), Dept. of Molecular Biology & Genetics, Faculty of Science, University of South Bohemia in České Budějovice (Budweis), Czech Rep.



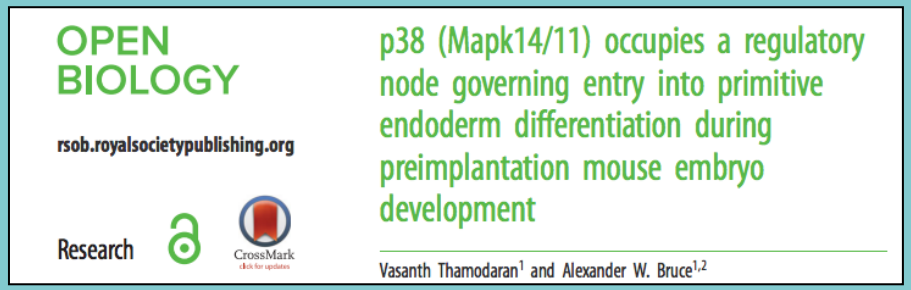
The project: Regulating the balance between differentiation and pluripotency; molecular characterisation of p38-MAPK function in mouse blastocyst maturation. Developing the lab's previous observations for a role for p38-MAPKs in regulating the emergence of differentiating primitive endoderm (PrE) and pluripotent epiblast (EPI) in mouse blastocyst inner-cell-mass (ICM). Phospho-proteomic & transcriptomic screens, inducible transgenic embryo generation, preimplantation embryo micro-manipulation, modern molecular biology techniques.

Where? Laboratory of Developmental Biology & Genetics (LDB&G). Research group leader Alexander W. Bruce Ph.D.; researching molecular mechanisms of early cell-fate derivation in mammalian (mouse) preimplantation embryo, from oocyte to the late blastocyst stage.

Details: 3 year Post-Doctoral contract, 30,000 CZK pcm (gross), English speaker.

How to apply?

Send CV, two professional references and motivation letter to: awbruce@prf.jcu.cz

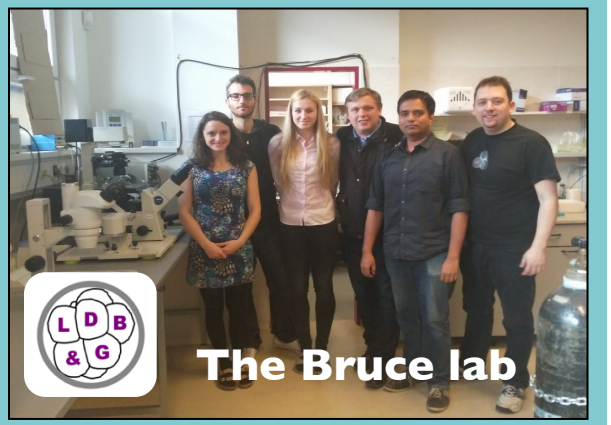


Project background – *previous publication (awbruce@prf.jcu.cz)*

3 year project

GAČR
CZECH SCIENCE FOUNDATION

2018-2020



http://kmb.prf.jcu.cz/en/laboratories/en-bruce-lab