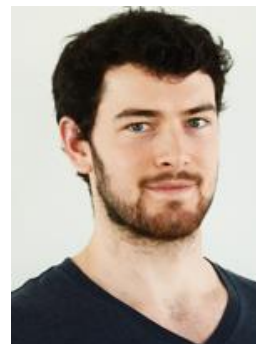


Robert Barnett

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Title PhD Project: Small Molecule Inhibitors of Multicellular Development in Social Amoeba

Main Research Interests

- Isolation of small molecule inhibitors of multicellular development from amoeba
- Identification of mode-of-action of the small molecules
- Synthesis and chemical modification of the small molecules

Methodological Experiences

- Cultivation of amoeba and bacteria
- Bio-assay guided fractionation
- Structure elucidation
- Organic chemistry and synthesis

Curriculum Vitae

2010-2014 MSci Chemistry at The University of Birmingham

First Class Honours

Master's Thesis: Iron-binding Polymers for Prevention of Bowel Cancer
Supervisor: Dr. John S. Fossey

2012 Nuffield Undergraduate Research Bursary (£1440) (8 weeks)

Synthesis and characterisation of derivatives of α -galactosylceramide
Supervisor: Dr. Liam Cox (University of Birmingham, Chemistry Department)