

PhD Studentship in Organic Synthesis
Supervisor: Dr Andrew L. Lawrence
(School of Chemistry, University of Edinburgh)



Applications are invited for two 4 year PhD studentships to work under the supervision of Dr Andrew Lawrence at the EaStCHEM School of Chemistry, University of Edinburgh, funded by the European Research Council.

Research Interests: The Lawrence group is focused on developing and improving the science and art of organic synthesis. Our research effort is primarily focused on the total synthesis of natural products, developing new synthetic methodology, and exploring new concepts in chemical synthesis. For further information, see the Lawrence group website <http://www.lawrence-group.org>

The successful candidates will work on projects focused on the development of novel catalytic enantioconvergent methodology. Application of these methods in the synthesis of complex and biologically active natural products will also be explored. This project will provide a great training in practical synthetic chemistry with the candidate exposed to a great variety of synthetic techniques and analytical methods. For publications from the Lawrence group, see the following:

1. *Nat. Prod. Rep.* **2017**, *34*, 1193–1202.
2. *Angew. Chem. Int. Ed.* **2017**, *56*, 6813–6817.
3. *Org. Lett.* **2017**, *19*, 2199–2201.
4. *Angew. Chem. Int. Ed.* **2016**, *55*, 8421–8425.
5. *Chem. Sci.* **2015**, *6*, 3886–3890.
6. *Angew. Chem. Int. Ed.* **2015**, *54*, 1795–1798.
7. *Angew. Chem. Int. Ed.* **2013**, *52*, 13273–13275.
8. *Angew. Chem. Int. Ed.* **2013**, *52*, 4221–4224.
9. *Org. Lett.* **2012**, *14*, 4537–4539.

Research Environment: This project is fully funded by an ERC Grant and the successful candidates will work in the research group of Dr Andrew Lawrence.

Eligibility: Applicants must have an undergraduate degree in Chemistry (at least an upper-second) and will preferably have experience of working in a synthetic organic chemistry laboratory (*e.g.*, research project or industrial placement). The ideal candidate will have a strong interest in all aspects of stereochemistry, synthesis and catalysis.

Details: The fully-funded (tuition fees & stipend) 48-month PhD studentships are available to start on 1st September 2018. The stipend rate for 2018/19 will be approximately £14500 per annum. The positions will remain open until filled.

How to apply: Informal enquiries are encouraged and should be address to Dr Andrew Lawrence (a.lawrence@ed.ac.uk). To apply, please send a cover letter outlining your previous research experience and reasons for applying, alongside an up-to-date CV with details of two referees to a.lawrence@ed.ac.uk. The posts will remain open until filled.

Formal applications are made through the University's EUCLID system.

<http://www.chem.ed.ac.uk/studying/postgraduate-research/applications-and-entry-requirements>

Equality & Diversity

The School of Chemistry holds a Silver Athena SWAN award in recognition of our commitment to advance gender equality in higher education. The University is a member of the Race Equality Charter and is a Stonewall Scotland Diversity Champion, actively promoting LGBT equality. The University has a range of initiatives to support a family friendly working environment. See our University Initiatives website for further information. University Initiatives website: <https://www.ed.ac.uk/equality-diversity/help-advice/family-friendly>