

# A o i f e M a x w e l l

## WORK EXPERIENCE

|                      |                                                                                                  |
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| Oct 2009 to Present  | Scientific Investigator, Medicinal Chemistry<br>Respiratory Area, GlaxoSmithKline, Stevenage, UK |
| Jan 2007 to Oct 2009 | Senior Scientist, Medicinal Chemistry<br>Respiratory Area, GlaxoSmithKline, Stevenage, UK        |

## Responsibilities and achievements

- Worked as lead medicinal chemist for an outsourced Respiratory drug discovery programme. Accountable for medicinal chemistry strategy, resource assignment and compound progression. GSK Exceptional Science Award (September 2011) for work on this project.
- Contributed to the identification and optimisation of potent series of inhibitors for an in-house kinase programme. GSK Exceptional Science Award (September 2009) for work on this project.
- Tutor and *viva voce* examiner for synthetic chemistry modules of Postgraduate Certificate in Professional Development (GSK/University of Kent programme).
- Developed and delivered workshops and supervised practical classes for GSK Drug Discovery Module at the University of Nottingham (January-April 2012).
- Involved in several academic collaborations and have acted as Industrial supervisor to two PhD students.

## PHD RESEARCH

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| Sept 2002 to Dec 2006 | PhD Organic Chemistry, University College Dublin.<br>Supervisor: Professor Patrick Guiry |
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*"Investigating Electronic Effects in Axially Chiral Quinazolinap ligands for Asymmetric Catalysis"*

## EDUCATIONAL DETAILS

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| Sept 1998 to June 2002 | B.Sc (Hons) Chemistry, First Class Honours<br>University College Dublin, Ireland. |
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## PROFESSIONAL AFFILIATIONS

- Member Royal Society of Chemistry. Deputy Treasurer of mid-Anglia section.
- Member American Chemical Society.

## PUBLICATIONS

Tajuddin, H.; Shukla, L.; Maxwell, A. C.; Marder, T. B.; Steel, P. G. Iridium-catalyzed C-H borylation of quinolines and unsymmetrical 1,2-disubstituted benzenes: insights into steric and electronic effects on selectivity. *Chemical Science* **2012**, 3, 3505-3515.

Watson, A. J. A.; Maxwell A. C.; Williams, J. M. J. Ruthenium-catalysed oxidative synthesis of heterocycles from alcohols *Org. Biomol. Chem.* **2012**, 10, 240-243.

Alder, C. M.; Baldwin, I. R.; Barton, N. P.; Campbell, A. J.; Champigny, A. C.; Harling, J. D.; Maxwell, A. C.; Simpson, J. K.; Smith, I. E. D.; Tame, C. J. Preparation of 2-[2-(benzo- or pyrido-)thiazolylamino]-6-aminopyridine derivatives useful in the treatment of respiratory, allergic or inflammatory diseases. PCT Int. Appl. **2011**, WO 2011110575 A1 20110915.

Maxwell, A. C.; Alder, C.; Ambler, M.; Campbell, A. J.; Champigny, A. C.; Harling, J. D.; Scullion, C.; Smith, I. E. D.; Somers, D.; Tame, C. J.; Wilson, C.; Woolven, J. Identification of Novel and Selective ITK inhibitors through a Template Hopping Strategy; American Chemical Society: Washington, DC, 2011; pp MEDI-8.

Watson, A. J. A.; Maxwell A. C.; Williams, J. M. J. Borrowing Hydrogen Methodology for Amine Synthesis under Solvent-Free Microwave Conditions. *J. Org. Chem.* **2011**, 76, 2328-2331.

Tajuddin, H.; Shukla, L.; Maxwell, A. C.; Marder, T. B.; Steel, P. G. Ruthenium-Catalyzed Oxidation of Alcohols into Amides. *Org. Lett.* **2010**, 12, 5700-5703.

Alder, C. M.; Baldwin, I. R.; Barton, N. P.; Campbell, A. J.; Champigny, A. C.; Harling, J. D.; Maxwell, A. C.; Simpson, J. K.; Smith, I. E. D.; Tame, C. J. Pyrimidine derivatives used as ITK inhibitors. PCT Int. Appl. **2010**, WO 2010106016 A1 20100923.

Watson, A. J. A.; Maxwell A. C.; Williams, J. M. J. Ruthenium-Catalyzed Aromatic C-H Activation of Benzylic Alcohols via Remote Electronic Activation. *Org. Lett.* **2010**

Maxwell, A. C.; Flannagan, S. P.; Goddard, R.; Guiry P. J. Rhodium-catalysed hydroboration employing new Quinazolinap ligands; an investigation into electronic effects. *Tetrahedron Asymmetry* **2010**, 21, 1458-1473.

Hamid, M. H. S. A.; Allen, C. L.; Lamb, G. W.; Maxwell, A. C.; Maytum, H. C.; Watson, A. J. A.; Williams, J. M. J. Ruthenium-Catalyzed N-Alkylation of Amines and Sulfonamides Using Borrowing Hydrogen Methodology. *J. Am. Chem. Soc.* **2009**, 131, 1766-1774.

Watson, A. J. A.; Maxwell A. C.; Williams, J. M. J. Ruthenium-Catalyzed Oxidation of Alcohols into Amides. *Org. Lett.* **2009**, 11, 2667-2670.

Lamb, G. W.; Watson, A. J. A.; Jolley, K. E.; Maxwell, A. C.; Williams, J. M. J. Borrowing hydrogen methodology for the conversion of alcohols into N-protected primary amines and in situ deprotection. *Tetrahedron Lett.* **2009**, 50, 3374-3377.

Maxwell, A. C.; Franc, C.; Pouchain, L.; Mueller-Bunz, H.; Guiry, P. J. Electronically Varied Quinazolinap Ligands for Asymmetric Catalysis. *Org. Biomol. Chem.* **2008**, 6, 3848-3853.