

Education

Oct 2003 – Nov 2006: Cambridge University Chemical Laboratory.

PhD entitled 'Aspects of the Heterogeneous Enantioselective Hydrogenation of Functionalised Alkenes' under the supervision of Prof. R. M. Lambert.

Oct 1999 – June 2003: St Catherine's College, University of Oxford.

Chemistry Degree (MChem): Awarded first class with supplementary Quantum Chemistry.

Sept 1997- June 1999: York Sixth Form College.

A-levels: Chemistry; A, Physics; A, Maths; A.
S-levels: Physics; Distinction.

Sept 1992 – July 1997: Easingwold School, North Yorkshire.

10 GCSEs, 3A*, 3A and 4B (English Language; B, Science; 2A*, Maths; A*)

Relevant Work Experience

June 2002 – Aug 2002: BNFL Sellafield, Cumbria, High Level Waste Team, Research and Technology Centre.

Nov 1997 – Feb 1998: British Sugar, York. Quality Control Lab Assistant.

Scholarships

FM Brewer Scholar 2000 – 2003; Awarded for performance in preliminary examinations at Oxford University.

Publications

Heterogeneously Catalyzed Asymmetric C = C Hydrogenation: Origin of Enantioselectivity in the Proline-Directed Pd/Isophorone System, McIntosh, A. I.; Watson, D. J.; Burton, J. W.; Lambert, R. M. *Journal of the American Chemical Society* 2006, **128**, 7329-7334

Mechanistic Insights into the Proline-Directed Enantioselective Heterogeneous Hydrogenation of Isophorone, McIntosh, A.I.; Watson, D.J.; Lambert, R. M. *Langmuir* (in press).

Hobbies and Interests

Cross country and track running, swimming and cycling.
