

Cormac Dalton - Biography

Cormac Dalton graduated from University College Dublin with a PhD in Organic Chemistry. His PhD was based upon the catalytic asymmetric synthesis using organometallic Chromium complexes.

He worked in the pharmaceutical industry over a period of 5 years with AstraZeneca (UK) and Bristol Myers Squibb (Ireland), in various roles. These included analytical development, process development and production.

Cormac is currently employed by the Irish Medicines Board (www.imb.ie). The IMB is the competent authority in Ireland responsible for the protection and enhancement of public and animal health through the regulation of human and veterinary medicinal products and medical devices.

Cormac has worked at the IMB for 5 years, firstly as a pharmaceutical assessor for both veterinary and human medicinal products and currently, as an inspector of manufacturers and distributors of active pharmaceutical ingredients (APIs) and medicinal products. He is a member of the EMEA list of experts (<http://www.emea.europa.eu/htms/aboutus/experts.htm>) and is a member of the PICS Expert Circle on APIs (<http://www.picscheme.org/index.php>).

List of Publications

- 1) Recent Progress towards the Understanding of Metal-salen Catalysed Asymmetric Alkene Epoxidation. C.T. Dalton, K.M. Ryan, V.M. Wall, C. Bousquet and D.G. Gilheany, *Topics in Catalysis*, **5**, 75–91 (1998).
- 2) Unsymmetrical Salen Ligands: Synthesis and Use in Chromium Mediated Asymmetric Epoxidation. A.M. Daly, C.T. Dalton, M.F. Renehan, D.G. Gilheany, *Tetrahedron Letters*, **40**, 3617–3620, (1999).
- 3) Asymmetric Alkene Epoxidation with Chromium Oxo Salen Complexes. Effect of Added Phosphoryl Ligands. N.J. Kerrigan, I.J. Langan, C.T. Dalton, A.M. Daly, C. Bousquet and D.G. Gilheany, *Tetrahedron Letters*, **43**, 2107–2110, (2002).
- 4) Asymmetric Alkene Epoxidation with Chromium Oxo Salen Complexes. Effect of Pi-rich and Other Types of Additives. C.T. Dalton, K.M. Ryan, I.J. Langan, E.J. Coyne and D.G. Gilheany, *Journal of Molecular Catalysis, A: Chemical*, **187**, 179–187, (2002).
- 5) Unsymmetrical chiral salen Schiff base ligands. Synthesis and use in metal-based asymmetric epoxidation reactions. Marie F. Renehan, Hans-Jörg Schanz, Eoghan M. McGarrigle, Cormac T. Dalton, Adrian M. Daly and Declan G. Gilheany, *Journal of Molecular Catalysis, A: Chemical*, **231**, 205-220, (2005).
- 6) Materials Management and APIs, IMB Information Day 2008, <http://www.imb.ie/EN/Events/About-Us/GMP-and-Market-Compliance-Information-Day-2008.aspx?categorypageid=0&categorytypeid=-1>