

WILSON BAKER SYMPOSIUM

WEDNESDAY 9TH MARCH 2011

LECTURE THEATRE 3

PROGRAMME

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| 13.00 | Welcome and Opening Remarks
Professor Guy Lloyd-Jones
<i>University of Bristol</i> |
| 13.10 | Challenges in Natural Product Synthesis
Professor Chris Willis
<i>University of Bristol</i> |
| 13.50 | Structural studies of <i>trans</i>-AT polyketide synthases:
revealing new routes towards combinatorial biosynthesis
Dr Paul Race
<i>University of Bristol</i> |
| 14.30 | Stereoselective Rearrangements for the Preparation of
Natural Products
<i>Dr Andrew Sutherland</i>
<i>University of Glasgow</i> |
| 15.10 | Tea and Coffee (East Foyer) |
| 15.50 | WILSON BAKER LECTURE
Natural Product Biosynthesis by Fungal Polyketide Synthases
Professor John Vederas FRS
<i>University of Alberta</i>

Chair - Professor Tom Simpson FRS FRSE
<i>Head of Organic & Biological Chemistry</i> |
| 16.50 | Closing Remarks |
| 17.00 | Wine Reception |

PREVIOUS WILSON BAKER LECTURES

1966	A J Birch	Some Chemical Aspects of Biosynthesis
1967	E Vogel	Benzene Oxide-Oxepine Valence Tautomerism
1969	E Lederer	Structure and Biochemistry of Complex Mycobacterial Lipids
1970	D Ginsberg	Propellanes
1971	P de Mayo	Flash Thermolysis: a New Synthesis Technique
1972	A Eschenmoser	Total Synthesis of Vitamin B ₁₂
1973	P D Bartlett	Some Aspects of Singlet Oxygen Chemistry
1974	W Nagata	Hydrocyanation in Natural Product Synthesis
1975	R H Martin	Synthetic Spiral Molecules
1976	Wilson Baker	Some Personal Connections and Recollections of a Chemist
1978	J-M Lehn	Crown-ethers and Related Compounds
1979	G Maier	Tetra- <i>tert</i> -butyltetrahedrane: A Highly Strained Molecule
1980	A R Battersby	Chemical Adventures (Porphyrins)
1981	C W Rees	A New Aromatic System
1982	J I G Cadogan	The Energy Problem: Some Chemical Initiatives
1984	H A Staab	New Aspects of Charge Transfer Interactions as Derived from Donor-Acceptor Cyclophanes
1985	J F W McOmie	Forty Years of Aromatic and Not-So-Aromatic Chemistry
1986	K P C Vollhardt	Cobalt-Mediated [2+2+2]Cycloadditions in the Synthesis of Natural and Unnatural Products
1987	M C Whiting	Pure n-Paraffins as Models for Linear Polyethylene
1988	J E Baldwin	Biosynthetic Pathways to Penicillins and Cephalosporins
1989	G Wulff	Molecular Recognition in Polymers by Imprinting with Templates
1990	J MacMillan	Gibberellin Plant Hormones
1991	P D Magnus	Synthesis of Diynene Antitumour Agents
1992	D Arigoni	Synthesis and Detection of Chiral <i>t</i> -Butyl Groups
1993	G Eglinton	Molecular Signals from the Past
1994	S V Ley	Synthesis and Chemistry of Azadirachtin
1995	J F Stoddart	Self-Assembly in Organic Synthesis
2000	P Kocienski	Applications of π -Allyl Molybdenum Complexes in Natural Product Synthesis
	F Diederich	Covalent Fullerene Chemistry: Regio- and Stereoselective Multiple Functionalisation, Chirality and Supramolecular Materials
2001	G Pattenden	Synthetic Studies Towards Target Natural Products
2002	R W Alder	The Chemistry of Diaminocarbenes
2003	J Staunton	New Drugs from Old Bugs – Efforts to Engineer Biosynthetic Pathways
2004	L Mander	Enabling Strategies for the Assembly Complex Polycyclic Natural Products
2005	S Warren	Ph ₂ PO: A Migrating Functional Group in Organic Synthesis
2006	C Robinson	Mass Spectrometry of Non Covalent Complexes – More than the sum of the parts
2008	S Withers	Engineering and Evolution of Old Enzymes for New Tasks: Glycoside Assembly
2009	G Morris	Memoirs of an INEPT and DOSY NMR Technician
2010	J Pickett	Organic Chemistry to the Rescue of Plant Genetics