



## VERONIQUE GOUVERNEUR

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**Professor of Chemistry** - University of Oxford

Born November 8, 1964 in Geel (Belgium); Chemistry Research Laboratory; 12 Mansfield Road- Oxford - OX1 3TA (UK)

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### EMPLOYMENT and EDUCATION

**2008-** Professor of Chemistry, Oxford University, Department of Chemistry; Tutorial Fellowship (TF), Merton College (UK)

**2006-2008** Reader in Organic Chemistry, Oxford University, Department of Chemistry; TF Merton College (UK)

**1998-2006** University Lecturer in Organic Chemistry, Oxford University, Department of Chemistry; TF Merton College (UK)

**1994-1998** Maître de Conférences & Associate Member of ISIS; Université Louis Pasteur Strasbourg (France)

**1992-1994** Postdoctoral Research Fellow Mentor: Prof. R. A. Lerner The Scripps Research Institute, La Jolla CA (USA)

**1985-1991** Ph.D. (la Plus Grande Distinction) Mentor: Prof. L. Ghosez; Université Catholique de Louvain, LLN (Belgium)

**1981-1985** B.Sc and M.Sc in Chemistry (la Plus Grande Distinction); Université Catholique de Louvain, LLN (Belgium)

### AWARDS, HONOURS, ESTEEM INTERNATIONAL RECOGNITION

Awards & Prizes: **2016** Tetrahedron Chair BOSS XV; **2015** ACS Award for Creative Work in Fluorine Chemistry; **2013-2018**

Royal Society Wolfson Research Merit Award; **2012**, Chaire Internationale de Recherche Blaise Pascal (ENS/CEA-France);

**2011**, Distinguished Woman in Chemistry or Chemical Engineering Award - ACS Challenge Year of Chemistry Celebration;

**2011**, Liebig Lectureship Award of the Organic Division of the German Chemical Society; **2010**, The Thieme Chemistry Journal

Award; **2008**, The RSC Bader Award; 2005, The AstraZeneca Research Award in Organic Chemistry; **2000**, The Nuffield

Foundation Award for Newly Appointed University Lecturer; **1992**, Prix de l'Académie Royale des Sciences Belgium; **1992** Prix

Bruylants. Esteem International Recognitions: **2018**, Chair (co-chairs: Prof D. O'Hagan and Prof G. Sandford) of the

International Symposium on Fluorine Chemistry; 2016-, Chair Chem. Commun. (RSC); **2015-2018**, President of EuCheMS

Organic Division; **2015-**, Editorial Board Beilstein J. Org. Chemistry; **2014-**, Member of the International Scientific Advisory

Board of ENSCP (France); 2013 Clayton H. Heathcock Lectureship in Organic Chemistry, Berkeley (USA); **2011-2013**,

Executive Committee Member of ACS Fluorine Division (USA); **2011-**, Chemistry sub-programme Director - Oxford Cancer

Imaging Centre; **2011-**, Member of the Academic Advisory Board Advanced Synthesis and Catalysis; **2010**, Visiting Professor

Shanghai Institute of Organic Chemistry (China); **2010**, Invited Professor - CDP Innovation "Fabulous Fluorine" (France); **2010**, Visiting Professor University of Paris X (France); **2009-**, Member of the Imaging Management Board University of Oxford (FMRIB); **2009**, Vice-President RSC Organic Division; **2009**, Member of the Royal Society Organic Chemistry Awards Committee; **2009**, Member of the Moissan Prize Committee (French Chemical Society); 2007-2012, Member of the Editorial Board of Organic and Biomolecular Chemistry; **2007-**, UK representative of EuCheMS Organic Division; **2007-2011**, Chairman of the RSC Fluorine Subject Group; **2006-**, Member of the EPSRC Peer Review College.

**PUBLICATIONS, PATENTS and BOOKS:** 162 Publications in Peer Reviewed Journals (recent papers published in Chem.

Commun., Chem. Sci., ACIE, JACS and Nature Chemistry); 9 Patents; 10 Book Chapters; Editor 1 Book (Editor).

**5.** 18F-Labeling of Aryl-SCF<sub>3</sub>, -OCF<sub>3</sub> and -OCHF<sub>2</sub> with [18F]Fluoride, T. Khotavivattana, S. Verhoog, M. Tredwell, L. Pfeifer, S. Calderwood, K. Wheelhouse, T. L. Collier, V. Gouverneur *Angew. Chem. Int. Ed.* **2015**, 54, 9991-9995. **4.** A General Copper-Mediated Nucleophilic 18F Fluorination of Arenes, M. Tredwell, S. M. Preshlock, N. J. Taylor, S. Gruber, M. Huiban, J. Passchier, J. Mercier, C. Génicot, V. Gouverneur *Angew. Chem. Int. Ed.* **2014**, 53, 7751-7755. Highlighted in Chemical and Engineering News and Synfacts. **3.** A Broadly Applicable [18F]Trifluoromethylation of Aryl and Heteroaryl Iodides for PET Imaging, M. Huiban, M. Tredwell, S. Mizuta, Z. Wan, X. Zhang, T. Lee Collier, V. Gouverneur,\* J. Passchier\* *Nature Chemistry* **2013** 5, 941-944; highlighted in *Science* "Expanding the scope of fluorine tags for PET imaging" by H.F. Kung et al. *Science* 10/**2013**; 342(6157):429-30; **2.** Catalytic Hydrotrifluoromethylation of Unactivated Alkenes, S. Mizuta, S. Verhoog, K.M. Engle, T. Khotavivattana M. O'Duill, K. Wheelhouse, G. Rassias, M. Medebielle, V. Gouverneur\* *J. Am. Chem. Soc.* **2013** 135 (7), 2505–2508. Highlighted in Chemical and Engineering News; **1.** Organocatalyzed Enantioselective Fluorocyclization, O. Lozano, G. Blessley, T.M. del Campo, A.L. Thompson, G.T. Giuffredi, M. Bettati, M. Walker, R. Borman, V. Gouverneur\* *Angew. Chem. Int. Ed.* **2011**, 50, 8105–8109.

**SUPERVISION:** 38 Postdoctoral Research Fellows; 35 D Phil Thesis awarded and 10 D Phil Thesis ongoing; 54 Master Thesis awarded and 1 ongoing; 12 Visiting Students (Erasmus). Current number of group members: 24.

**FUNDING PORTFOLIO:** Total number of Grants: 58; Total Value: £ 18 M inclusive of infrastructure grants (radiochemistry laboratory - Oxford chemistry); Total Value as Principal Investigator: £ 9.5 M, this includes PI/Coordinator of FP7-PEOPLE- 2012-ITN RADIOMI - Innovative Radiochemistry to Advance Molecular Imaging (<http://radiomi.chem.ox.ac.uk/>, Euros 3.9 M); Funding Bodies: EPSRC, BBSRC, MRC, EU (FP6 and FP7), Leverhulme Trust, Royal Society, Royal Society of Chemistry, Cancer Research UK; Eli Lilly, UCB; Rhodia; Pfizer; GSK; AstraZeneca; Syngenta; Hammersmith Imanet [GE Healthcare]; Siemens Molecular Imaging; Department of Trade and Industry.

**118 Plenary/Keynote lectures at INTERNATIONAL CONFERENCES and 116 RESEARCH LECTURES (academia, industry)**