

MATTHEW J. GAUNT

University of Cambridge, Department of Chemistry
Cambridge, United Kingdom



Title of Lecture: “New Strategies for Chemical Synthesis: From C–H Activation to Protein Functionalization”

Phone: +44 1223 336318

Email: mjpg32@cam.ac.uk

Education:

1999 Ph.D., University of Cambridge

1995 B.Sc., University of Birmingham

Research and Professional Experience

2012 - present Professor of Chemistry, University of Cambridge
2011 - present Chair of Synthetic Chemistry Group
2011 - 2016 ERC Starting Research Investigator
2010 - 2015 EPSRC Leadership Fellow
2010 - 2012 Reader of Chemical Synthesis, University of Cambridge
2006 - 2010 Lecturer in Organic Chemistry, University of Cambridge
2004 - 2009 Royal Society University Research Fellowship, University of Cambridge
2003 - 2004 Senior Research Fellow, University of Cambridge, to begin independent research
2001 - 2003 Postdoctoral research with Professor Steven V. Ley, University of Cambridge as a British Ramsay Memorial Fellow and Junior Research Fellow at Magdalene College
2000 - 2001 Postdoctoral research with Professor Amos B. Smith, University of Pennsylvania, Philadelphia, USA as GlaxoWellcome Postdoctoral Fellow

Awards

2016 ACS Cope Scholar Award
2015 - 2020 Royal Society Wolfson Merit Award
2015 Novartis Lecturer Award
2013 RSC Corday Morgan Medal
2011 Organic Reactions Lecturer
2011 - 2106 ERC Starting Investigative Research Fellow
2010 - 2015 EPSRC Leadership Fellow
2009 AstraZeneca Award for Organic Chemistry
2009 Chem. Soc. Rev. Emerging Investigator Award
2008 Novartis Early Career Award in Organic Chemistry
2008 Eli Lilly Young Lecturer Award
2005 Dow Pharma Prize for Creativity in Chiral Chemistry

Research Interests

Professor Gaunt's research program focuses on problems in developing new reactivity concepts for organic synthesis. His group employs strategies that address C–H activation with palladium catalysts and high oxidation state copper catalysis. Moreover, they apply the new reactivity concepts to complex systems in order to develop new methods for the selective modification of bio-macromolecules such as proteins and nucleic acids. The group are also interested in applying high throughput experimentation technologies to organic synthesis to facilitate the development of new reactions.