Dr. Petr Kilian

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Employment:

08/2016 – now	Senior Lecturer, University of St Andrews University, UK
2009 – 2016	Lecturer, University of St Andrews University, UK
2005 – 2009	EaStCHEM Academic Fellow, University of St Andrews, UK
2000 – 2005	Postdoctoral Research Fellow, University of St Andrews, UK
1999 – 2000	Technical Sales Representative, Bruker GmbH in Czech Republic
1998 – 1999	Royal Society & NATO Postdoctoral Research Fellow, Loughborough University, UK
Qualifications:	
1998	PhD in Inorganic Chemistry, Masaryk University, Brno, Czech Republic
1994	MSc in Inorganic Chemistry (with distinction), Masaryk University

1992 BSc in Chemistry (with distinction), Masaryk University

Professional Activity:

- Member (Group leader) of European Phosphorus Sciences Network and European Network on Smart Inorganic Polymers
- Visiting fellowship at University of Bonn (May 2014)
- Associate editor for Cogent Chemistry journal
- Refereeing for ACS, RSC, Wiley, Elsevier
- Member of the Royal Society of Chemistry and the American Chemical Society
- St Andrews University Teaching Excellence award (2014)
- Best Teacher in Chemistry Award (Honours Classes, 2014-2015)

Grant awards:

Stable Phosphorus Centred Radicals and Odd Electron Bonds – EPSRC, First Grant Scheme, £206,427.

Interdisciplinary Workshop in Synthesis and Catalysis (as co-investigator) – EPSRC, Overseas Travel Grants, £11,621.

Zero-waste process for organophosphite plastic additives – Thermphos International (industrial sponsor) and EPSRC, New Academics CASE, £83,319.

Examining a proposed unusual hydride position in an organophosphorus-arsenic compound – Neutron diffraction beamtime at ANSTO (Australia), \$AU 25,200.

European Phosphorus Sciences Network – travel grant ca £3,000.

Supervised PhD Students, Postdoctoral Fellows etc.:

Laurence Taylor, PhD student (10/2013 – now)

Phillip Nejman, PhD student (10/2013 - now), supervised jointly with Prof J. D. Woollins

Bethany Lawson, CDT Criticat PhD student (10/2015 - now)

Brian Chalmers, EPSRC+ Postdoctoral Fellow (09/2015-08/2016); previously PhD student (09/2011 – 04/2015), thesis A Synthetic, Spectroscopic and Structural Examination of Phosphorus, Arsenic and Antimony peri-Substituted Acenaphthenes; prior to that Honours Research Project Student 2010-2011)

Sara Saez, Visiting doctoral fellow (March-July 2016), home institution Instituto de Tecnología Química (UPV-CSIC) and Universidad Politécnica de Valencia, Spain

Claire Brodie, Honours Research Project Student (2015/16), Synthetic and Structural Studies on Bonding and Repulsion in peri-Supported Phosphine-Stiboranes

Philip Pickett, Honours Research Project Student (2015/16), *Synthesis and Reactions of Thiol Acenaphthenes*

Sarah Macdonald, Honours Research Project Student (2014/15), Synthetic Studies on Peri-Substituted Phosphines

Christina Meigh, Honours Research Project Student (2014/15), A Synthetic and Spectroscopic Study of Sterically Encumbered Phosphine-Stibines

Peter Coburger, Overseas MSc Diploma Project (2015), jointly supervised with Prof Evamarie Hay-Hawkins; prior to that Overseas Summer Project (2014), home institution University of Leipzig, Germany

Jan Bergsch, Overseas MSc Inorganic Project (2015), home institution Munich University, Germany

Ines Lindner, Overseas Master Project Student (2014), home institution University of Freiburg, Germany

Bethany Lawson, Honours research project student (2013-2014), Synthetic Studies on Crowded Organophosphorus Compounds

Mark Carter, Honours research project student (2013-2014), Synthetic Routes Towards Perbromates

Dagmar Micikova, IAESTE exchange student (2013)

Brian Surgenor, graduated PhD student (10/2008 - 07/2013), thesis *The Synthesis and Reactivity of a Sterically Unhindered Phosphanylidene-Phosphorane & the Reduction of 1,3,2,4-Dithiadiphosphetane-2,4-Disulfides to Primary and Tertiary Phosphines*, co-supervisor with Prof J. D. Woollins)

Matt Ray, graduated PhD student (02/2010 – 07/2013), thesis Synthesis and Reactivity of Peri-Substituted Phosphines and Phosphonium Cations

Conor Fleming, graduated PhD student (10/2008 – 03/2013), thesis *Geminally Bis(supermesityl)* Substituted Phosphorus Compounds and a Study of 5,6-Substituted Acenaphthenes

Joanna Prentis, Honours research project student (2012-2013), Synthetic Studies in Peri-Substituted Acenaphthenes

Walker Prentke, Honours research project student (2011-2012), *Synthetic Study into Reduction of Dithiadiphosphetane Disulfides*, co-supervisor Prof. M. Bühl

Upulani Somisara, graduated PhD student (1/2007 – 06/2011), Synthetic Studies into Phosphorus and Arsenic Peri-Substituted Naphthalene

Kenneth Armstrong, graduated PhD student (10/2007 – 05/2011) Catalytic Synthesis of Organophosphate Plastics Additives from White Phosphorus

Michael Gorzkowski, Honours research project student (2010-2011), *Investigations into Novel Fluorenylphosphines and Their Derivatives*

Liam Bisett, Honours research project student (2009-2010), Novel Synthetic Strategies Towards Tertiary Phosphines

Amy Looi, Summer Placement and Honours research project student (2009-2010), Novel Synthetic Strategies Towards Tertiary Phosphines

Dr. Piotr Wawrzyniak, EPSRC Postdoctoral Fellow (01/2007 – 03/2009), Synthesis of Phosphorus Centred Radicals

Karolina Korzycka, IAESTE exchange student (2008)

Jiao Xu, Honours research project student (2007-2008), Novel Synthetic Strategies Towards Tertiary Phosphines

David Newton, Honours research project student (2006-2007), New Synthetic Routes to 1,8-Diphospha Naphthalenes

Administration (main duties):

Postgraduate Taught (PGT) Coordinator (2014 – now).

Convenor of Postgraduate Studies (2011 - now).

Director for postgraduate teaching and member of Postgraduate Committee (School of Chemistry), 8/2007-now.

School of Chemistry Library Representative, 6/2010-now.

Member of Teaching Committee, Special Circumstances Committee, PG committee, Library Users Group Member and Library Representative, Athena Swan committee, Open Access Steering Group member, Deputy Chemicals Safety Database Administrator (university wide)

Teaching:

Lecturing various aspects of Main Group Chemistry and trends in periodical table.

Tutoring inorganic and general chemistry components for a range of courses.

Junior Honours Inorganic Laboratory course convener and demonstrator.

Academic Monitor for External Placement of Honours student.

External Examiner and Examination Committee Convener/Internal Examiner for the degree of Ph.D.

Supervisor and assessor to Honours Research Projects.