

Curriculum Vitae

Professor Rachel Kerry O'Reilly

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EMPLOYMENT HISTORY

January 2018 — current

University of Birmingham, School of Chemistry, Edgbaston, B15 2TT, UK

Appointed as Chair in Chemistry and Head of School

January 2009 — December 2017

EPSRC Career Acceleration Fellow (CAF) 2009-2014

ERC Consolidator Grant holder 2014-

University of Warwick, Department of Chemistry, Gibbet Hill Road, CV4 7AL, UK

Appointed as an associate Professor in October 2009 and then full Professor in June 2012

Appointed as Visiting FNRS Professor at Mons University, Belgium, 2014

Appointed as Key State Laboratory Visiting Professor, Fudan University, 2014-2016

Appointed as a Professor on the High-end Foreign Experts Program, Tongji University, 2015-2017

Note 2 periods of maternity leave from September 2014-March 2015 and then February 2016-July 2016.

September 2005 – December 2008

Royal Society Dorothy Hodgkin Fellowship

Mays Wild Research Fellowship, Downing College

University of Cambridge, Department of Chemistry, Lensfield Road, CB2 1EW, UK

EDUCATION AND TRAINING

October 2004 — September 2006

Royal Commission for the Exhibition of 1851 Research Fellowship

University of Cambridge, Department of Chemistry, Lensfield Road, CB2 1EW, UK

IBM Almaden Research Center, 650 Harry Road, San Jose, California, 95120-6099, USA

This Fellowship was awarded during the 2nd year of my post-doctoral work in the US and was carried forward to the first year of my Royal Society appointment in Cambridge.

June 2003 – August 2005

Joint post-doctoral research position

Advisors: Professor Karen L. Wooley and Professor Craig J. Hawker FRS

IBM Almaden Research Center, 650 Harry Road, San Jose, California, 95120-6099, USA

Washington University in Saint Louis, One Brookings Drive, Saint Louis, Missouri, 63130, USA

October 1999 – June 2003

Ph.D. in Chemistry

Supervisor: Professor Vernon C. Gibson, FRS

Title: Novel catalyst design for utilisation in controlled radical polymerisations

October 1995 – June 1999

M.Sci. (Hons), 1st class in Chemistry (June 1999)

B.A. (Hons), 1st class in Natural Sciences (awarded June 1999, completed June 1998)

University of Cambridge, Fitzwilliam College, Cambridge, CB3 0DG, UK

AWARDS AND HONOURS

- Awarded the Royal Society of Chemistry, Corday-Morgan Prize, 2020

- Awarded the Royal Society of Chemistry, Polymer Chemistry lectureship, 2020
- Blavatnik Awards for Young Scientists, UK Finalist Chemistry, 2019
- Awarded the Royal Society of Chemistry Industry-Academia Collaboration of the Year, 2018 (with BP)
- Awarded the Journal of Polymer Science Innovation award, 2018
- Awarded the Covestro Distinguished Lectureship, Texas A&M, USA, 2018
- Awarded the Macromolecules/Biomacromolecules Young Investigator Award, 2017
- Awarded the Royal Society of Chemistry, Gibson-Fawcett Award, 2016
- Awarded the SCI/RSC McBain Prize, 2014
- Elected as a Fellow of the POLY division of the American Chemical Society, 2013
- Elected as a Fellow of the Royal Society of Chemistry, 2013
- Awarded the American Chemical Society Mark Young Scholar Award, 2013
- Awarded the IUPAC-Samsung Young Polymer Scientist Award, 2012
- Awarded the Royal Society of Chemistry Hickinbottom Medal, 2012
- Awarded the Macro Group UK Young Researchers Medal, 2008
- Awarded the Royal Society of Chemistry Meldola Medal, 2007

SCIENTIFIC LEADERSHIP

Select committee membership

- Member of REF 2021 sub-panel UOA 8, Chemistry, 2020
- Member of the Science and Engineering Fellowship Committee for the 1851 Commission, 2019-
- Council member of the High Polymer Research Group, 2018-
- Member of the RSC Materials Chemistry division awards committee, 2017-2019
- Member of the EPSRC peer review college, 2010-
- American Chemical Society POLY awards division committee member, 2015-2017
- Member of the EPSRC strategic advisory network (SAN), 2011- 2017
- Member of the RSC Organic Chemistry division awards committee, 2012-2014
- Secretary of the Macro Group UK committee, 2012-2014
- Member of the EPSRC ethics and diversity committee, 2013-2014
- EPSRC representative on the European Science Foundation PESC committee, 2010-2013
- Committee member of the Materials Chemistry Division Council, 2010-2013
- Member of the Macro Group UK committee, 2007-2011
- Chairman of the Recent Appointees in Polymer Science (RAPS), 2006-2009

Editorial board membership

- Associate Editor for the ACS journal, *Journal of the American Chemical Society*, 2021-
- Editorial advisory board member for the ACS journal, *Journal of the American Chemical Society*, 2019-2021
- Associate Editor for the ACS journal, *Macromolecules*, 2018-2021
- Reviewing Editor for *Science*, 2016-
- Member of the editorial advisory board of ACS journal *Bioconjugate Chemistry*, 2014-
- Member of the editorial advisory board for Wiley journal, *J. Polym. Sci. Part A: Polym. Chem.*, 2011-
- Member of the editorial advisory board for RSC journals, *Chemical Science* and *Polymer Chemistry*, 2009-
- Member of the editorial advisory board, *Polymer International and Chemical Communications*, 2012-2016
- Member of the Editorial Board of the RSC journal *Chemical Society Reviews*, 2011-2015

External panel membership

- Panel Member of the ERC Advanced Grant program, 2019-
- Panel member of the Belgian funding agency, FWO, PhD scholarship panel, 2016
- Panel member on the Dutch funding agency, NWO panel, 2013 and 2015
- Panel member on the Swiss National Science Foundation funding panel, 2013
- Panel member for SIM8 for the French national research funding agency, ANR, 2012
- Panel evaluation member at the Center for DNA midterm review in Aarhus, Denmark, 2011

Institutional administrative responsibilities

- Head of the School of Chemistry, University of Birmingham, August 2018-
- Materials Global Research Priorities co-lead, University of Warwick, 2012-2017
- Head of the Organic and Biomolecular cluster, University of Warwick, 2015-2016

INVITED TALKS AND LECTURES

Industry lectures: 16 including the Covestro distinguished lectureship and BP iCAM plenary lecture.

University lectures: UK 37 invited lectures and 39 overseas invited lectures

Conference lectures: 20+ plenary, ca. 175 invited and keynote lectures at international conferences (including 27 invited presentations at American Chemical Society national meetings, 9 Gordon Research Conference invited lectures, 5 Materials Research Society presentations and 3 IUPAC meetings) and ca. 30 invited and keynote lectures at national conferences (High Polymer Research Group, Society of Chemical Industry, Royal Society of Chemistry and the Academy of Pharmaceutical Science).

PUBLICATIONS AND PATENTS

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