

CURRICULUM VITAE

Donna G. Blackmond

DOB/Citizenship

April 19, 1958 (Pittsburgh, PA); US/UK Dual Citizen

Education

Ph.D. ChE 1984 Carnegie Mellon University, Pittsburgh PA

M.S. ChE 1981 University of Pittsburgh, Pittsburgh PA

B.S. ChE 1980 University of Pittsburgh, Pittsburgh PA

Experience

2021-present Scripps Research, La Jolla, CA

The John C. Martin Endowed Chair in Chemistry

2018-present Scripps Research, La Jolla, CA

Department Chair, California Campus

2010-present Scripps Research, La Jolla, CA

Professor of Chemistry

2010-present Imperial College of Science, Technology, and Medicine

Visiting Professor

2004-2010 Imperial College of Science, Technology, and Medicine

Professor of Chemistry, Professor of Chemical Engineering, Chair in Catalysis

1999-2003 University of Hull, Hull, UK

Professor and Chair in Physical Chemistry

1996-1999 Max-Planck Institut für Kohlenforschung, Mülheim-Ruhr, Germany

Group Leader, C3 Equivalent Professor

1995-1996 Universität Essen, Essen, Germany

C3 Professor of Technical Chemistry

1992-1995 Merck & Company, Inc., Rahway, NJ USA

Associate Director, Technical Operations

1984-1992 University of Pittsburgh, Pittsburgh, PA USA

Professor of Chemical Engineering

1984-89 Assistant Professor

1989-92 Associate Professor (with tenure) and BP America Faculty Fellow

1992-99 Adjunct Professor

Professional Awards

2023 James Flack Norris Award of the American Chemical Society

2022 van't Hoff Award, Koninklijke Nederlandse Akademie van Wetenschappen, The Netherlands

2021 Invited Speaker, Royal Swedish Academy of Sciences Nobel Workshop on Chiral Matter

2021 US National Academy of Sciences, Elected Member

2021 Humboldt-Forschungspreis, Alexander von Humboldt-Stiftung

2020 German National Academy of Sciences Leopoldina, Elected Member

2020 Oparin Medal of the International Society for Studies on the Origin of Life (ISSOL)

2019 Bristol Chemical Synthesis Syngenta Award

2019 IUPAC Award for Distinguished Women in Chemistry or Chemical Engineering

2018 Irving Wender Award for Creative Research in Catalysis, PCCS

2016 American Academy of Arts and Sciences, Elected Member

2016 Chemical Pioneer Award, American Institute of Chemists
2016 Gabor A. Somorjai Award for Creative Research in Catalysis, American Chemical Society
2013 US National Academy of Engineering, Elected Member
2013 Simons Investigator, Simons Foundation Collaboration on the Origins of Life
2009 The Royal Society of Chemistry Physical Organic Chemistry Award
2007 The Royal Society Wolfson Research Merit Award
2005 Arthur C. Cope Scholar Award, American Chemical Society
2003 Paul Rylander Award of the Organic Reactions Catalysis Society
2002 Royal Society of Chemistry Award in Process Technology
2001 Paul H. Emmett Award in Fundamental Catalysis, North American Catalysis Society
1998 Max-Planck-Society Award for Outstanding Women Scientists
1985 National Science Foundation Presidential Young Investigator Award
1981 National Science Foundation Graduate Research Fellowship
1976 National Merit Scholarship

Selected Invited Lectureships, Visiting Professorships

2023 Lacey Lecture, Caltech
2023 Plenary Lecture, Oxford Synthesis Conference, Oxford UK
2023 Invited Lecture, Alexander von Humboldt Annual Meeting, Germany
2023 Invited Lecture, RNA Worlds Conference, Boulder CO
2023 John K. Stille Symposium Lecture, Colorado State University, Fort Collins, CO
2022 Hoyt C. Hottel Lecture, MIT
2022 Ken C. Nobe Founders Lecture, UCLA
2021 Invited Speaker, Royal Swedish Academy of Sciences Nobel Workshop on Chiral Matter
2020 TED 2020 Speaker, Vancouver, CA (cancelled due to coronavirus)
2019 Swiss Chemical Society Lecturer
2019 Larson Lecturer, University of St. Thomas, Minneapolis, MN
2019 8th Anton Vilsmeier Lecturer, Universität Regensburg
2019 10th Stanley Miller Memorial Lecture, UCSD
2018 Plenary Lecturer, Royal Australian Chemical Institute, Perth, Australia
2018 Taft Memorial Lecture, University of Irvine
2018 Keynote Lecture Chirality 2018, Princeton University
2018 A.R. Gordon Distinguished Lecture, University of Toronto
2017 BMS Lecturer in Organic Synthesis, Boston College
2017 Invited Lecture, Tetrahedron Symposium, Budapest, Hungary
2016 Merck Distinguished Lecturer, MIT
2016 Plenary Lecture, New Zealand Institute of Chemistry, New Zealand
2016 Givaudan-Karrer Distinguished Guest Professorship, Universität Zürich
2015 Plenary Lecture, Brazilian Chemical Society National Meeting, Brazil
2015 Gilead Lecturer, University of Alberta, Canada
2014 Plenary Lecture, Chirality 2014, Prague, Czech Republic
2014 Dorothy Crowfoot Hodgkin Symposium Lecturer, Universität Zürich, Switzerland
2014 Lemieux Lecturer, University of Ottawa, Canada
2013 Paul Gassman Lecturer, University of Minnesota
2013 Laird Lecture, University of British Columbia, Vancouver, Canada
2012 Plenary Lecture, IUPAC Conference on Physical Organic Chemistry, Durham, UK
2012 Frontiers in Organic Chemistry, University of Illinois
2011 Plenary Lecture, International Conference on Chemical Kinetics, Cambridge, MA

- 2011 Invited Lecture, Royal Society Discussion Meeting on the Origin of Life, London, UK
 2010 Plenary Lecture, French Chemical Society National Meeting, Paris, France
 2009 Frontiers in Chemical Research Lectureship, Texas A&M
 2009 Contemporary Challenges in Chemistry, University of Michigan
 2008 Keynote Lecture, International Symposium on Chiral Discrimination, Geneva, Switzerland
 2008 Plenary Lecture, International Astrobiology Society (ISSOL), Florence, Italy
 2008 Invited Lecture, Harvard Origin of Life Symposium
 2007 Visiting Professor, University of Heidelberg, Germany
 2006 Invited Speaker, Royal Swedish Academy of Sciences Nobel Workshop on The Origin of Life
 2006 Invited Speaker, Bürgenstock Conference on Stereochemistry, Switzerland
 2006 Invited Speaker, 21st W. S. Johnson Symposium, Stanford University
 2006 Conference Universitaire de Suisse Occidentale (3^{ème} Cycle), Switzerland
 2005 Holger Erdtman Lecture, KTH Stockholm, Sweden
 2005 Bower Award Symposium Speaker, University of Pennsylvania
 2004 Merck Symposium Lecturer, University of California, Irvine
 2003 Miller Foundation Visiting Professorship, University of California-Berkeley
 2003 Novartis Visiting Lecturer, University of Illinois
 2002 Woodward Visiting Scholar, Harvard University
 2002 Abbott Lecturer in Organic Chemistry, MIT
 2002 University Lecturer in Chemistry, University of Ottawa, Canada
 2001 William G. Dauben Lecturer, University of California - Berkeley
 2000 Mary Fieser Visiting Lectureship, Harvard University
 1990 NSF Visiting Professorship for Women, Princeton University
 1989 Visiting Professor, Institut de Recherches sur la Catalyse, CNRS, Lyon, France
 1995- Invited Speaker at Gordon Research Conferences: Catalysis, Stereochemistry, Organometallic Chemistry, Physical Organic Chemistry, Organic Reaction and Processes, Origin of Life, Heterocycles

Editorial/Advisory Activities

- 2021- External Review Panel NCCR Catalysis, SNSF, Switzerland
 2021- Scientific Advisory Board, Snapdragon Chemistry, Waltham, MA
 2021- Chair, External Advisory Board, Institute for Digital Molecular Design and Fabrication (DigiFAB), Imperial College London
 2020- External Advisory Board, Imperial College London Chemistry
 2020 External Review Panel, UC Santa Barbara Chemistry and Biochemistry
 2019- External Advisory Board, UC Santa Barbara Chemical Engineering
 2019- Scientific Advisory Board, *ChemRxiv*
 2019-2020 National Academy of Engineering, Section 3 Search Committee Chair
 2019- Editorial Advisory Board, *Chemical Science*
 2019- External Advisory Board, UK Catalysis Hub
 2019- External Advisory Board, ROAR, Imperial College London
 2019- Editorial Advisory Board, *Chemical Science*
 2011-2017 US National Academy of Sciences, Chemical Sciences Roundtable Member
 2014-2016 US National Academy of Engineering Peer Committee Member
 2016- Associate Editor, *Journal of Organic Chemistry*
 2015- Editorial Board, *ACS Central Science*
 2015- Editorial Board, *Reaction Chemistry & Engineering*
 2006- Editorial Board, *Organic Letters*

2006-2013 Editorial Board, *OPRD*
2004-2006 Editorial Board, *Organic and Biomolecular Chemistry*
2002-2004 Advisory Board, *Chemical & Engineering News*
2002-2016 Editorial Advisory Board, *Journal of Organic Chemistry*
2000- Editorial Advisory Board, *Advanced Synthesis and Catalysis*
1999-2004 Editorial Board, *Catalysis Letters*
1994-2000 Editorial Board, *Journal of Catalysis*
1994-1998 Director, Organic Reactions Catalysis Society
1997 National Science Foundation Board of Visitors (Engineering Directorate)

Scripps Administrative Duties

- Chair, Department of Chemistry, Scripps California Campus (Nov. 2018 –)
- Institute-wide Strategic Planning Committee (2016 – 2018)
- Graduate Admissions Committee (2011 – 2019)
- WASC (Western Association of Schools and Colleges) Accreditation Committee (2013 – 2019)

Consulting/Business Activities

- Scientific Advisory Board, National Institute of Clean and Low Carbon Energy (NICE), Shenhua Company, Beijing, China (2015 –)
- Scientific Advisory Board Janssen Pharmaceuticals (2010 – 2013)
- Organizer NSF-sponsored Workshop on Data-Rich Chemistry (2014)
- Creator/Consultant for iC Kinetics software package (Mettler Autochem)
- Pharmacat Consortium, Imperial College (2004 –)
- Creator of Industrial Short Course on “Reaction Kinetics in Organic Synthesis”
- Confidential Consultant to: Pfizer Global Research, Merck, AstraZeneca, Bristol-Myers Squibb, Boehringer-Ingelheim, GSK, Abbott, Schering-Plough, Lilly, Amgen, Johnson&Johnson (Janssen Pharma), Genentech, Gilead
- Altamira Instruments, Inc. (now Zeton-Altamira): Co-Founder, Co-Owner, Member of the Board of Directors (1984-1992)