

## **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**

2025-present    Leverhulme Visiting Professorship – Sabbatical at Liverpool University, UK  
2021-present    Scripps Research, La Jolla, CA  
                      The John C. Martin Endowed Chair in Chemistry  
2018-2025      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  
                      Adjunct 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**

2025    Elected Fellow of the Royal Academy of Engineering (FREng)  
2025    Centenary Prize for Chemistry and Communication, Royal Society of Chemistry  
2024    Elected Fellow of the Royal Society (FRS)  
2023    James Flack Norris Award of the American Chemical Society  
2022    van't Hoff Award, Koninklijke Nederlandse Akademie van Wetenschappen, The Netherlands  
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  
2003 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**

2025 Gilbert Stork Lecture, University of Pennsylvania  
2025 Novartis Lecture, University of Illinois, Urbana-Champaign  
2025 Dow-Karabatsos Lectureship, Michigan State University  
2025 Shiner Lecture, University of Indiana  
2024 Lacey Lecture, Caltech  
2024 Thursday Plenary Lecture, Stereochemistry Gordon Research Conference, Salve Regina  
2024 Warren Lecture, Vanderbilt University  
2024 Jean Dreyfus Lectureship for Undergraduate Institutions, Bard University  
2023 John L. Anderson Lecture, Carnegie Mellon University  
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 8<sup>th</sup> Anton Vilsmeier Lecturer, Universität Regensburg  
2019 10<sup>th</sup> 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, 21<sup>st</sup> W. S. Johnson Symposium, Stanford University  
 2006 Conference Universitaire de Suisse Occidentale (3<sup>ème</sup> 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  
 1995 Invited Speaker at Gordon Research Conferences: Catalysis, Stereochemistry, Organometallic Chemistry, Physical Organic Chemistry, Organic Reaction and Processes, Origin of Life, Heterocycles  
 1990 NSF Visiting Professorship for Women, Princeton University  
 1989 Visiting Professor, Institut de Recherches sur la Catalyse, CNRS, Lyon, France

## Editorial & Advisory Activities

### Current

2024- Scientific Advisory Board, Acceleration Consortium, University of Toronto, Canada  
 2023- Scientific Advisory Board, Moore Foundation  
 2021- Chair, External Advisory Board, Institute for Digital Molecular Design and Fabrication (DigiFAB), Imperial College London  
 2020- External Advisory Board, Imperial College London Chemistry  
 2019- External Advisory Board, UC Santa Barbara Chemical Engineering  
 2019- Scientific Advisory Board, *ChemRxiv*  
 2019- Editorial Advisory Board, *Chemical Science*  
 2019- External Advisory Board, UK Catalysis Hub  
 2019- External Advisory Board, ROAR, Imperial College London  
 2016- Associate Editor, *Journal of Organic Chemistry*  
 2015- Editorial Advisory Board, *ACS Central Science*  
 2015- Editorial Advisory Board, *Reaction Chemistry & Engineering*  
 2006- Editorial Advisory Board, *Organic Letters*  
 2000- Editorial Advisory Board, *Advanced Synthesis and Catalysis*

### Previous

2021-2024	External Review Panel NCCR Catalysis, Swiss National Science Foundation, Switzerland
2020	External Review Panel, UC Santa Barbara Chemistry and Biochemistry
2019-2020	National Academy of Engineering, Section 3 Search Committee Chair
2011-2017	US National Academy of Sciences, Chemical Sciences Roundtable Member
2014-2016	US National Academy of Engineering Peer Committee Member
2006-2013	Editorial Board, <i>OPRD</i>
2004-2019	Pharmacat Consortium, Imperial College
2004-2006	Editorial Board, <i>Organic and Biomolecular Chemistry</i>
2002-2004	Advisory Board, <i>Chemical &amp; Engineering News</i>
2002-2016	Editorial Advisory Board, <i>Journal of Organic Chemistry</i>
1999-2004	Editorial Board, <i>Catalysis Letters</i>
1994-2000	Editorial Board, <i>Journal of Catalysis</i>
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 – May 2025)
- 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**

#### Current

- Scientific Advisory Board, Snapdragon Chemistry, Waltham, MA (2021 –)
- Creator/Consultant for iC Kinetics software package (Mettler Autochem)
- 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

#### Previous

- Scientific Advisory Board, National Institute of Clean and Low Carbon Energy (NICE), Shenhua Company, Beijing, China (2015 – 2020)
- Scientific Advisory Board Janssen Pharmaceuticals (2010 – 2013)
- Organizer NSF-sponsored Workshop on Data-Rich Chemistry (2014)
- Consultant to Biohaven, Gilead, Sanofi
- Altamira Instruments, Inc. (now Zeton-Altamira): Co-Founder, Co-Owner, Member of the Board of Directors (1984 – 1992)