

CURRICULUM VITAE

Prof. Susan Trumbore, PhD

Director Department of Biogeochemical Processes Max Planck Institute for Biogeochemistry Jena, Germany trumbore@bgc-jena.mpg.de	Professor (20%) Earth System Science University of California Irvine, CA, USA setrumbo@uci.edu
---	--

Education

B.S. (1981)	Geology, University of Delaware
M.A. (1983)	Geochemistry, Columbia University
M.Phil. (1987)	Geochemistry, Columbia University
Ph.D. (1989)	Geochemistry, Columbia University (advisor: Wallace Broecker)

Honors/Awards

1993 - 1998	National Young Investigator (National Science Foundation, USA)
1993	University of Delaware Presidential Citation for Outstanding Achievement
1996	Distinguished Assistant Professor Award for Research, UC Irvine
1997 - 1998	Bullard Fellow, Harvard University
1997, 2004	Editor's Citation for Excellence in Refereeing (<i>Global Biogeochem. Cycles</i>)
2005 -	Elected Fellow, American Geophysical Union (AGU) and American Association for the Advancement of Science (AAAS)
2009 -	Member, Max Planck Society
2009	Doctor honoris causa, Hasselt University
2010 -	Elected to the US National Academy of Sciences (NAS)
2013 -	Honorary Professor, Faculty of Chemistry and Geosciences, Friedrich Schiller University, Jena, Germany
2014 -	Professor Visitante Especial, University of Brasilia, Brazil
2016 - 2021	ERC Advanced Grant
2016 -	Elected member, Leopoldina, Deutsche Akademie der Naturforscher Leopoldina - Nationale Akademie der Wissenschaften, Germany
2018	Benjamin Franklin Medal for Earth and Environmental Science
2018 -	Elected Fellow, Geochemical Society, USA
2019	British Ecological Society Marsh Award for Climate Change Research
2019, 2020	ISI Highly Cited Researcher (Cross-Field)
2020	Balzan Prize for Earth System Dynamics
2020	Elected to Academia Europaea
2021	Vladimir Ivanovich Vernadsky Medal, European Geosciences Union (EGU)
2022	AGU William Kaula Award (for service to publications)
2024	Orden pour le merite (German Government)
2024	Honorary doctorate, ETH Zurich
2025	Elected Foreign Member, Chinese Academy of Sciences

Employment

1981 - 1988	Graduate Research Assistant (Columbia University LDGO)
1988 - 1989	Post-doctoral Researcher, Lamont-Doherty Geological Observatory and Swiss Federal Institute of Technology (ETH Zurich)
1989 - 1991	Post-doctoral Researcher, Center for Accelerator Mass Spectrometry, Lawrence Livermore National Laboratory, Livermore, CA, USA
1991 - 1996	Assistant Professor, University of California, Irvine
1996 - 2000	Associate Professor, University of California, Irvine
since 2000	Professor of Earth System Science. University of California, Irvine, USA (currently 20% time)
2001 - 2007	Director, Center for Global Environmental Change Research and Institute for Geophysics and Planetary Physics at University of California, Irvine
since 2009	Director, Processes Department, Max Planck Institute for Biogeochemistry, Jena. Germany

Scientific Service (since 2020)

Service on Advisory/Review Boards

- 2026 - Member, Steering Panel Environment, European Academies Science Advisory Council
- 2026 - Member, Science Advisory Group, UNEP International Ecosystem Management Partnership
- 2020 – 2026 Member, Science Steering Committee, Science Panel for the Amazon

AGU Advances (new AGU open access journal)

- 2019 - 2024 founding Editor-in-Chief (currently continuing as Editor)

EGU (European Geophysical Union)

- 2021 - 2026 Vernadsky Medal Committee

Scientific Service (earlier)

AGU (American Geophysical Union)

- 1996 - 2000 Paleocceanography and Paleoclimate Committee
- 2000 - 2001 Committee on Global Environmental Change
- 2002 - 2004 President, Biogeosciences Section
- 2007 - 2012 Fellows Committee for Global Environmental Change
- 2012 - 2014 Chair, Revelle Medal Committee

AAAS (American Association for the Advancement of Science)

- 2002 - 2005 Nominating committee, Geology and Geography Section
- 2009 - 2011 Chair-Elect, Chair, Retiring Chair Geology and Geography Section

Global Biogeochemical Cycles (AGU journal)

- 2014 - 2018 Editor-in Chief,
- 2018 - 2019 Associate Editor

NRC (National Research Council, USA)

2004 - 2005	Committee on Metrics for Global Change Research (<i>Thinking Strategically</i> Report, published 2005)
2006 - 2008	Committee on Strategic Advice to the US Climate Change Science Program (<i>Restructuring Federal Research to meet the Challenges of Climate Change</i> , published by NRC in 2009)
since 2022	Greenhouse Gas Emissions Information for Decision Making: A Framework Going Forward – <i>Review coordinator for the Report</i>

Reviewer

2007	UC Berkeley Geography Department
2014	Stanford Dept. EESS Weizmann Institute Earth Science
2014 – 2018	ERC panel for starting grants
2019 – 2022	ERC panel for consolidator grants.

Service on Advisory/Review Boards:

2016	Nat'l Research Ecology Laboratory (NRL, Colorado State Univ.), review
2015	Helmholtz Programme Atmosphere and Climate (ATMO), review
2018	Karlsruhe Institute of Technology – KIT, review
2019	Helmholtz Association, strategic planning
2019-2022	DFG, NFDI-Expertengremium
2022, 2026	DUSYS, ETH Zürich

IPCC Assessments (Intergovernmental Panel on Climate Change)

2001	Contribution to Land use, Land Use Change, and Forestry
------	---

Post-Docs advised**At UC Irvine, CA, USA:**

Dr. Margaret Torn	(9/94 - 9/97; now Head of Carbon & Climate Research, LBNL)
Dr. Jeffrey Q. Chambers	(6/98 - 3/02, now Prof. UC Berkeley)
Dr. Edward A. G. Schuur	(6/99 - 1/02, now Prof. Northern Arizona Univ.)
Dr. Tibisay Pérez	(10/99 - 8/02, now Professor, IVIC, Venezuela)
Dr. Claudia Czimczik	(7/03 – 9/10, now Professor, UC Irvine)
Dr. Christiane Kramer	(1/06 - 5/07)

At MPI-BGC, Germany:

Dr. Carlos Sierra	(1/10 - present)
Dr. Tara Massad	(11/09 - 11/11, now Gorongosa Natl Park, Mozambique)
Dr. Jan Muhr	(2/09 - 1/19, now Lab Head, Univ. Göttingen)
Dr. Henrik Hartmann	(10/09 – 12/22, now Director Julius Kuhn Inst. for Forest Protection and Prof. Univ. Göttingen)
Dr. Angelika Thuille	(10/09 - 1/13, now state Government, Nature Protection)

Dr. Norbert Kuhnert	(7/10 - 7/16, now acad. Oberrat, Univ. Bayreuth)
Dr. Lesego Khomo	(1/10 - 1/12, now University of South Africa)
Dr. Zhang Haiyang	(1/12 - 7/17, now Research Fellow, Hebei Univ., China)
Dr. Shaun Levick	(1/11 - 11/17, now CSIRO, Adelaide, Australia)
Dr. Thomas Behrendt	(1/16 - 10/19, now Univ. Mainz)
Dr. Alexander Ruecker	(9/18 - 2/20, now DACH manager, UPL Ltd.)
Dr. Alison Hoyt	(2019 – 2021, now Assist. Prof. Stanford University)
Dr. Valerie Schwab	(2012 – 2022, now MPI-BGC)
Dr. Marion Schrumpf	(2009 – 2025, now Prof. Martin Luther Univ. Halle-Wittenberg (MLU) and Helmholtz Centre for Environmental Res. (UFZ))
Dr. Jianbei Huang	(2016-2026, now Research Prof. Center for Eco-Environmental Sciences, Chinese Academy of Science)
Dr. Daniel M.- Marra	(2016-2024, now Researcher Group Leader, Julius Kuhn Institute for Forest Protection)
Dr. Eliane Gomes-Alves	(2019-2026), takes position as Asst. Prof, Penn. State USA
Dr. Sam Jones	(current)
Dr. Tamás Varga	(2025, now Head of 14C laboratory, MPI for Biogeochemistry)
Dr. Hella van Asperen	(current)
Dr. Shujiro Komiya	(current)
Dr. Boaz Hilman	(current)

Ph.D. Students advised

at UCI:

Tibisay Pérez	(PhD 8/99, Professor, IVIC, Venezuela; Research Associate, UC Berkeley)
Adam Hirsch	(PhD 1/01, now Nat'l Renewable Energy Lab., Gouliden, CO)
Julia Gaudsinki	(PhD 2/01, now UC Santa Cruz)
Luz Maria Cisneros Dozal	(PhD 12/05, now University of Glasgow, U.K.)
Mariah Carbone	(PhD 9/07, now University of Northern Arizona, AZ)
Nicole Nowinski	(PhD 9/08, now Chaffee College, CA)
Francesca Hopkins	(PhD 12/12, now Professor, UC Riverside, CA)

in Germany: (students I co-supervised)

Saadat Malghani	(PhD 3/2015, now University of Copenhagen)
Emily Solly	(PhD 12/2014, now UFZ Leipzig)
Gabriela Peyrera	(PhD 6/2016, now manager, growNYC, USA)
Daniel Marra	(PhD 12/2016, now Julius Kühn Institute)
Martin Nowak	(PhD 6/2017, now Hydrogeologist Wismet GmbH)
Jenia Singh	(PhD 3/2020, now Postdoc, Harvard University)
David Herrera	(PhD 6/2021, now Postdoc, Yale University)
Rachael Akinyede	(PhD 9/2022, now coordinator of ITMS project)
Jeffrey Beem-Miller	(PhD 2023, now Postdoc, Lawrence Berkley Lab)
Shane Stoner	(PhD 2023, now Postdoc, Univ. Michigan)
Juliane Helm	(PhD 2023, now PostDoc, University of Potsdam)
Sophie von Fromm	(PhD 2023, now Postdoc, Dartmouth Univ.)
Beatrix Heinze	(PhD 2025; now Postdoc, ETH <u>Zurich</u>)
J. David Urquiza Muñoz	(PhD 2025; now Postdoc, MPI-BGC)

In progress: Hui Wang, Chenna Sun, Qiwen Wang, Chanoh Park