CURRICULUM VITAE

LAURA GAGLIARDI

CURRENT PROFESSIONAL ADDRESS

Department of Chemistry, The University of Chicago, Searle Chemistry Laboratory
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ACADEMIC RANK

Richard and Kathy Leventhal Professor of Chemistry and Molecular Engineering, University of Chicago

EDUCATION

Degree	Institution	Degree Granted
M.A./M.S.	University of Bologna, Italy	1992
Ph.D./J.D.	University of Bologna, Italy	1997
Postdoc	University of Cambridge (U.K.)	1998 - 2000

PROFESSIONAL EXPERIENCE

University of Chicago

Richard and Kathy Leventhal Professor Department of Chemistry, Pritzker School of Molecular Engineering, and James Franck Institute	September 1 2020-present
Director of the Chicago Center for Theoretical Chemistry	September 1 2020-present
Director of the Inorganometallic Catalyst Design Center (EFRC)	2014 – present

University of Minnesota

McKnight Presidential Endowed Chair	2019-2020
Distinguished McKnight University Professor	2014-2020
Professor	2009-2020
Graduate Appointment in Chemical Engineering and Materials Science	2012-2020
Director, Chemical Theory Center	2012-2020
Director, Nanoporous Materials Genome Center	2012-2014

University of Geneva (Switzerland)

Associate Professor	2005 – 2009

University of Palermo (Italy)

Assistant Professor, University of Palermo	2002 – 2004

University of Bologna

Research Associate	2000 - 2002

RESEARCH INTERESTS AND EXPERTISE

Development of novel quantum chemical methods for strongly correlated systems. Combination of first-principles methods with classical simulation techniques and data science. The applications are focused on the computational design of novel materials and molecular systems for energy-related challenges. Special focus is devoted to modeling catalysis and spectroscopy in molecular systems; catalysis and gas separation in porous materials; photovoltaic properties of organic and inorganic semiconductors; actinides; quantum materials.

SELECTED HONORS AND AWARDS

2022: Fred Kavli Innovations in Chemistry Lecture
2022: Elected Member of the German National Academy of Sciences Leopoldina
2021: Elected Member of the National Academy of Sciences
2021: Faraday Lectureship Prize of the Royal Society of Chemistry
2021: Elected Foreign Members of the Accademia dei Lincei
2020: Elected Member of the American Academy of Arts and Sciences
2020: Peter Debye Award in Physical Chemistry from the American Chemical Society
2019: Elected Member of the International Academy of Quantum Molecular Science
2019: McKnight Presidential Endowed Chair University of Minnesota
2019: Award in Theoretical Chemistry from the Physical Chemistry Division of the American Chemical Society
2018: Elected Member of Academia Europea
2018: Humboldt Foundation Research Award
2017: Elected Member of the World Association of Theoretical and Computational Chemists
2016: Fellow of the American Physical Society
2016: Fellow of the Royal Society of Chemistry
2016: Bourke Award of the Royal Society of Chemistry
2016: Fellow of the Institute on the Environment, University of Minnesota
2016: Isaiah Shavitt lectureship award - Israel Institute of Technology
2014: Distinguished McKnight University Professor
2004: Annual award of the International Academy of Quantum Molecular Science to scientists under 40

NAMED LECTURES

2022: Fred Kavli Innovations in Chemistry Lecture
2019: Charles Coulson Lecture, University of Georgia
2018: The Borden Endowed Lecture in Theoretical Chemistry, University of Washington, Seattle

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Chemical Society, American Physical Society, American Association for the Advancement of Science, Royal Society of Chemistry; Academia Europea

SERVICE AND PUBLIC ENGAGEMENT

Editorships

Editor in Chief, *Journal of Chemical Theory and Computation* (2022-present)
Associate Editor, *Journal of the American Chemical Society* (2021)
Associate Editor, *Journal of Chemical Theory and Computation* (2016-2020)

Member, Editorial Advisory Board, *Physical Chemistry Chemical Physics* (2019-present); *Journal of Catalysis* (2018-present); *Chemical Reviews* (2015-present); *ACS Central Science* (2014-present); *The Journal of the American Chemical Society* (2013-2018); *Inorganic Chemistry* (2014-2016); *Journal of Chemical Physics* (2010-2016); *Theoretical Chemistry Accounts* (2009-present); *Journal of Chemical Theory and Computation* (2012-2016); *Journal of Physical Chemistry* (2011-2016)

Committee memberships

Elected Officer of the Physical Division of the American Chemical Society (2021-2026; Chair in 2023); Elected Officer of the American Physical Society Division of Chemical Physics (2017-2020; Chair in 2019); Elected Alternate Councilor for the Physical Chemical Division of the American Chemical Society (2013-2016); Chair of the Theoretical Chemistry Subdivision Executive Committee of the American Chemical Society (2012-2013); Officer of the Theoretical Chemistry Subdivision Executive Committee of the American Chemical Society (2011-2012); Member of the Chemical Science Roundtable of the National Academy of Sciences, Engineering and Medicine (2019-present); . Member of the Department of Energy Basic Energy Sciences Advisory Committee (https://science.osti.gov/bes/besac/Members) (2021-present)

INVITED PRESENTATIONS

More than 150 invited talks at national and international conferences; more than 110 invited seminars at various national and international universities, research laboratories and companies.

PUBLICATIONS

Google Scholar: h-index: https://scholar.google.com/citations?user=Apd7qdsAAAAJ&hl=en