



## CURRICULUM VITAE

**LAURA GAGLIARDI**

### CURRENT PROFESSIONAL ADDRESS

Department of Chemistry, The University of Chicago, Searle Chemistry Laboratory  
5735 South Ellis Avenue, Chicago, IL 60637  
Web Site: <https://gagliardigroup.uchicago.edu>

### ACADEMIC RANK

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

### EDUCATION

<b>Degree</b>	<b>Institution</b>	<b>Degree Granted</b>
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

- 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

## 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>