

**CURRICULUM VITAE****CURRENT PROFESSIONAL ADDRESS**

Department of Chemistry, The University of Chicago, Searle Chemistry Laboratory  
 Web Site: <https://gagliardigroup.uchicago.edu>

**ACADEMIC RANK**

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

**PROFESSIONAL PREPARATION**

<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
Postdoc	University of Bologna, Italy	2000 - 2002

**APPOINTMENTS AND POSITIONS*****University of Chicago***

Richard and Kathy Leventhal Professor Department of Chemistry Pritzker School of Molecular Engineering, and James Franck Institute	2020-present
Director of the Catalyst Design for Decarbonization Center (EFRC)	2022-present
Director of the Chicago Center for Theoretical Chemistry	2020-2023

***University of Minnesota***

McKnight Presidential Endowed Chair	2019-2020
Distinguished McKnight University Professor	2014-2020
Professor	2009-2020
Director of the Inorganometallic Catalyst Design Center (EFRC)	2014-2022
Director, Chemical Theory Center	2012-2020
Director, Nanoporous Materials Genome Center	2012-2014

***University of Geneva (Switzerland)***

Associate Professor	2005-2009
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***University of Palermo (Italy)***

Assistant Professor, University of Palermo	2002-2004
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**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; actinides; quantum materials and quantum computing.

## SELECTED HONORS AND AWARDS

- 2025: Solvay Chair in Chemistry
- 2023: Linus Pauling Medal, American Chemical Society
- 2022: Fred Kavli Innovations in Chemistry Lecture
- 2022: Elected Member of the German National Academy of Sciences Leopoldina
- 2021: Elected Member of the USA National Academy of Sciences
- 2021: Faraday Lectureship Prize of the Royal Society of Chemistry
- 2021: Elected Member 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: 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: Isaiah Shavitt lectureship award - Israel Institute of Technology
- 2014: Distinguished McKnight University Professor, University of Minnesota
- 2004: Annual award of the International Academy of Quantum Molecular Science

## 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

### *Committee memberships*

Elected Officer of the Physical Division of the American Chemical Society (2021-2026; Chair in 2024); 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); Officer of the Theoretical Chemistry Subdivision Executive Committee of the American Chemical Society (2011-2013; Chair 2012-2013); Member of the Chemical Science Roundtable of the National Academy of Sciences, Engineering and Medicine (2019-2021); Member of the Department of Energy Basic Energy Sciences Advisory Committee (2021-2025)

## ADVISING AND MENTORING

Advisor to 38 postdoctoral scholars (5 current), 34 doctoral students (10 current), 10 master students, 44 undergraduates (2 current) and 6 high-school researchers

## PUBLICATION LIST

Google Scholar: <https://scholar.google.com/citations?user=7rJTBR0AAAAJ&hl=en>