Marco Frasconi

Curriculum Vitae

Associate Professor
University of Padova
Department of Chemical Sciences
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Education

- **PhD** Pharmaceutical Sciences **Feb 2011**
  "Sapienza" University of Rome, Rome, Italy

- **Master Degree** *(magna cum laude)* Analytical Chemistry and Applied Methodology **July 2007**
  "Sapienza" University of Rome, Rome, Italy

- **Bachelor Degree** *(magna cum laude)* Chemistry **Sep 2005**
  "Sapienza" University of Rome, Rome, Italy

Professional & Research Experience

- **Associate Professor of Analytical Chemistry** **Dec 2015 – present**
  Department of Chemical Sciences, University of Padova, Italy

- **Senior Postdoctoral Fellow** **March 2014 – Nov 2015**
  Italian Institute of Technology, Genova, Italy
  Advisor: Professor Silvia Giordani

- **Postdoctoral Fellow** **Dec 2010 – Feb 2014**
  Department of Chemistry, Northwestern University, Evanston, IL, USA
  Advisor: Professor Sir Fraser Stoddart (2016 Nobel Laureate in Chemistry)

- **PhD Scholarship** **Nov 2007 – Oct 2010**
  Department of Chemistry and Drug Technology, "Sapienza" University of Rome, Rome, Italy
  Advisor: Professor Franco Mazzei

- **Visiting Researcher** **July 2009 – Dec 2009**
  Apr 2008
  Institute of Chemistry, The Hebrew University of Jerusalem, Jerusalem, Israel
  Advisor: Professor Itamar Willner

- **Visiting Researcher** **March 2008**
  The Robert H. Smith Institute of Plant and Sciences and Genetics, Faculty of Agriculture, Food, and Environmental Sciences, The Hebrew University of Jerusalem, Rehovot, Israel
  Advisor: Professor Oded Shoseyov

- **Research Assistant** **Sep 2006 – Oct 2007**
  Department of Chemistry and Drug Technology, "Sapienza" University of Rome, Rome, Italy
  Advisor: Professor Franco Mazzei

Research Facts

Research Interests

- Biomimetic surfaces for optical and electrochemical sensors
- Nanoparticle-biomolecule hybrid systems for nanodiagnostic
- Molecular recognition and template-directed molecular assembly for molecular machines
- Electrochemically-driven processes in molecules and supramolecular systems
- Programmable molecular assembly guided by artificial evolution for smart materials

Academic Facts

Teaching Experience

- *Analytical Chemistry of Industrial Processes* **Feb 2017 – present**
  Second Cycle Degree in Industrial Chemistry, University of Padova
- *Elements of Nanotoxicology* **Feb 2016 – present**
  School in Assessment and Management of Chemical Risk, University of Padova
- *Laboratory of Analytical Chemistry II* **Oct 2016 – present**
  Bachelor Degree in Chemistry, University of Padova
- *Laboratory of Analytical Chemistry I* **Feb 2016 – June 2017**
  Bachelor Degree in Chemistry, University of Padova
- *General and Inorganic Chemistry,* Teaching Assistant **Jan 2009 – Sep 2010**
  Faculty of Engineering, "Sapienza" University of Rome

Scientific Habilitation

- Italian national scientific habilitation for Full Professor in Analytical Chemistry (03/A1) from "Italian Ministry of Education, University, and Research" **March 2018**

Professional Service

- **Peer Reviewer***: Angewandte Chemie – International Edition; Journal of American Chemical Society; ACS Nano; Analytical Chemistry; Langmuir; Nano Letters; Advanced Functional Materials; etc.*

Awards

- 2013 International Institute for Nanotechnology Outstanding Research Award **Oct 2013**
  "For the contributions in the field of nanotechnology research"
  From the International Institute for Nanotechnology (Evanston, IL, USA)

Scientific Publications

Research Statistic

79 Peer-reviewed publications in scientific journals

H-index = 27 Citations = 2090

(source ISI Web of Science, August 2018)