

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 Technologies* **Feb 2019 – present**
Second Cycle Degree in Industrial Chemistry, University of Padova
- *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

Scientific Habilitation

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

Professional Service

- **Peer Reviewer for 22 international scientific journals:** *Angew Chem Int Ed; J Am Chem Soc; Nano Letters; ACS Nano; Adv Funct Mater; Anal Chem; Langmuir; ACS App Mater Interfaces; 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

Overview

80 Peer-reviewed publications in scientific journals

H-index: **29** Citations: **2428**, without self citations **2313**

(source ISI Web of Science, April 2019)