

# Marco Frascioni

## 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
- **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 March 2018  
(03/A1) from “Italian Ministry of Education, University, and Research”

## Professional Service

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

# Awards

- International Institute for Nanotechnology Outstanding Research Award Oct 2013  
“for the contributions in the field of nanotechnology research”  
Evanston, IL, USA

# Scientific Publications

## Research Statistic

**78** Peer-reviewed publications in scientific journals

H-index = 27 Citations = 2005

(source ISI Web of Science)