

Federico Polo - Resume

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Dr. Federico Polo obtained the *Laurea* in Industrial Chemistry in 2003 and the PhD in Chemical Sciences in 2007 at the University of Padova under the supervision of Prof. Flavio Maran. His research area focused on molecular electrochemistry and electron transfer mechanism in molecular model systems based on donor/acceptor redox moieties connected by a peptide bridge. During his PhD, he spent 9 months at the Georgia Institute of Technology, USA, to characterize self-assembled monolayers and biomimetic systems by scanning electrochemical microscopy. His current scientific interests and activities in the field of molecular electrochemistry concern electron transfer mechanism and electrogenerated chemiluminescence, electroluminescent devices, and biosensing platforms for precision medicine.

Appointments

- 2021, December 21 – present. Associate Professor, Ca' Foscari University of Venice, Italy.
- 2018, December 21 – 2021, December 20. Assistant Professor, Ca' Foscari University of Venice, Italy.
- 2015, September 16 – 2018, December 20. Senior Researcher and Group Leader, National Cancer Institute, Centro di Riferimento Oncologico-IRCCS, Aviano, Italy.
- 2011, February 1 – 2015, September 15. Postdoctoral Fellow, University of Padova, Italy.
- 2009, March 2 – 2011, January 31. Postdoctoral Fellow, Westfälische Wilhelms-Universität Münster, Germany.
- 2008, January 28 – December 14. Postdoctoral Fellow, Georgia Institute of Technology, Atlanta, GA, USA.

Visiting Scholar

- 2018, October 1-19. Visiting Scientist, University of Montreal, QC, Canada
- 2016, September 1-16. Visiting Scientist, University of Montreal, QC, Canada
- 2012, July 23 – August 31. Visiting Scholar, University of Connecticut, Storrs, CT, USA.
- 2007, August 3 – September 23. Visiting Scientist, Harvard University, Cambridge, MA, USA.
- 2005, March 21 – October 31. Visiting Student, Georgia Institute of Technology, Atlanta, GA, USA.

Editorial activity

- Reviewer Editor for the journal *Frontiers in Sensors*, section *Electrochemical Sensors*. (<https://www.frontiersin.org/journals/sensors#editorial-board>)
- Guest Editor for the journal *Frontiers in Chemistry*, special issue "Electroluminescence: from fundamentals to applications" (<https://www.frontiersin.org/research-topics/14077/electrochemiluminescence-from-fundamentals-to-applications>)
- Guest Editor for the journal *Biosensors (MDPI)*, special issue of "Advanced Electrochemical and Opto-Electrochemical Biosensors for Quantitative Analysis of Disease Markers and Viruses" (https://www.mdpi.com/journal/biosensors/special_issues/opto_biosensors)