

Curriculum Vitae

PERSONAL INFORMATION

Family name: Beverina
First name: Luca
ORCID: <http://orcid.org/0000-0002-6450-545X>
Date of birth: January 30th 1975
Place of birth: Milano, Italy

• Education

2000-2003 PhD degree, University of Milano-Bicocca, Department of Materials-Science, Milano, Italy. Thesis: "Multiphoton processes in Heterocycle-based organics" supervised by Prof. Giorgio A. Pagani and Prof. Riccardo Tubino.
Date of the PhD degree: January 30th 2003.
1994-1999 M.Sc. in Materials Science (top marks *cum laude*), University of Milano-Bicocca, Department of Materials-Science

• Current position.

2015-present Associate Professor of Organic chemistry at the Department of Materials Science of the University of Milano-Bicocca

• Previous positions

2008-2015 Confirmed Assistant Professor of Organic Chemistry at the Department of Materials Science of the University of Milano-Bicocca, Milano, Italy.
2005-2008 Temporary Assistant Professor of Organic Chemistry at the Department of Materials Science of the University of Milano-Bicocca, Milano, Italy.
2004-2005 Temporary Research Scientist (Post-Doc) at the Department of Materials Science of the University of Milano-Bicocca on a "Fondazione Tronchetti-Provera" grant. Supervisor, Prof. Giorgio A. Pagani
2003-2004 Temporary Research Scientist (Post-Doc) at the Department of Chemistry and biochemistry of the Georgia Institute of Technology of Atlanta, Georgia (USA). Supervisor, Prof. Seth R. Marder.
2003-2003 PhD student at the Department of Materials-Science of the University of Milano-Bicocca, Milano, Italy

• Fellowships and awards

2003-2005 Recipient of a "Silvio Tronchetti Provera Foudation" Post-Doc Fellowship.
2008 Recipient of the "Medaglia Ciamician" award of the Italian Chemical society as the most brilliant organic chemist under 35.
2011 Recipient of the "Fondazione Cariplo grant for frontier research 2011" award.
2011 Selected Emerging Investigator for the Chemical Communication (RSC) journal
2013 "Young and talented" invited speaker at the European Symposium of Organic Chemistry 2013 of the European Society of Organic Chemistry (ESOC).
2013 Declared eligible for the position of Associate Professor of Organic Chemistry within the "Abilitazione Scientifica Nazionale" (National Scientific Habilitation) procedure of the Italian Ministry of Research and Education.
2013 Declared eligible for the position of Full Professor of Organic Chemistry within the "Abilitazione Scientifica Nazionale" (National Scientific Habilitation) procedure of the Italian Ministry of Research and Education.
2016 Research award from the Organic Division of the Italian Chemical Society for the contribution to the Chemistry of Environment, energy and nanosciences.

• Supervision of Master and gradate Students and postdoctoral fellows

Supervisor of 8 PhD students, one graduated in 2011 (Mauro Sassi), two graduated in 2016 (Nunzio Buccheri, Riccardo Turrisi), three gradated in 2018 (Sara Mattiello, Paolo Brazzo, Myles Rooney) and 2

under supervision (Alessandro Sanzone, Adiel Calascibetta). Scientific Responsible for a PhD fellowship under the MC ITN project FP7 THINFACE (GA 607232). Supervised 30 Master Students and over 40 Bachelor students. Supervisor of 4 post-doctorial researchers, all of them working on grants coordinated by the PI.

- **Organization of Scientific Meetings**

Co-organizer of the First National Forum of the Young Researchers in Science and Technology of Materials, Brixen, 28-29 November 2009.

Co-Organizer of the XXXVIII Convegno della Divisione di Chimica Organica - CDCO2018

- **Institutional Responsibilities**

2016-Present	National Coordinator of the “osservatorio Dottorati industriali della Fondazione CRUI”
2006-Present	Member of the Board of the PhD School in Science and Nanotechnology of Materials of the university of Milano-Bicocca
2014-Present	Member of the Scientific Committee of the MibSolar Consortium of the University of Milano-Bicocca
2012-2016	Associate member of the Italian National Research Council
2013-2017	Member of the Special Task Force of the University of Milano-Bicocca for Technology transfer and EU Framework programs.
1999-Present	Member of the Italian Chemical Society

- **Reviewing Activity**

Frequent Reviewer for the most relevant Journals in the field of organic molecular materials. Amongst the major journals: Chemistry of Materials, Organic Letters, Angewandte Chemie, Journal of Materials Chemistry, Advanced Materials, Advanced Energy Materials, Chemical Communications, Journal of the American Chemical Society, Solar Energy Materials and Solar Cells, Journal of Physical Chemistry, European Journal of Organic Chemistry.

Proposal evaluator for the Israel Science Foundation, The American University of Beirut and for the Italian Ministry of Research and Education.

- **Associate editor of the Journal: Organic Photonics and Photovoltaics**
- **Major collaborations**

Over the years, the PI established a wide network of national and international collaborations. The most relevant ones are with: *Prof. Seth R. Marder*, *Prof. Joseph W. Perry* and *Prof. Jean-Luc Bredas* (Georgia Institute of technology) for nonlinear-optical properties of conjugated compounds; *Prof. Tobin J. Marks* and *Prof. Antonio Facchetti* (Northwestern University and Polyera) for electrooptic modulators, solar cells and Organic Field Effect Transistors; *Prof. Peter R. Ogilby* (Aarhus University) for singlet oxygen sensitizers; *Prof. Manuela Schiek* (University of Oldenburg) for organic solar cells; *Prof. Mohammad K. Nazeeruddin* (EPFL) for hybrid solar cells; *Prof. Tomas Torres* (Universita Autonoma Madrid) for functional dyes; *Prof. Norbert Koch* (Humboldt University Berlin) for organic electronics; *Prof. Egbert Zojer* (University of Gratz) for molecular materials; *Prof. Marco Sampietro* and *Dr. Dario Natali* (Politecnico di Milano) for organic photodetectors; *Prof. Luigi Xodo* (University of Udine) and *Prof. Giorgio Jori* (University of Padova) for photodynamic therapy; *Prof. Renato Bozio* (University of Padova) for nonlinear optics. The PI holds multiple joint publications with colleagues at the University of Milano-Bicocca (*Prof. Riccardo Tubino*, *Prof. Francesco Meinardi*, *Prof. Barbara La Ferla*, *Prof. Ugo Cosentino*, *Prof. Riccardo Ruffo*, *Prof. Claudio M. Mari*). Also, within a family of strongly correlated EU projects devoted to Organic Electrochromic Materials (FP6-Nanoeffects, FP7-Innoshade, FP7-EELICON), the PI developed a strong collaboration with *Dr. Uwe Posset* and *Dr. Gerhard Shottner* (Fraunhofer ISC), *Dr. Karim Zaghbi* (Hydro Quebec, Canada), *Dr. Lubomir Kubak* (Center for Organic Synthesis, Pardubice, Czech Republic).

Achievements track-record

1. Summary of the PI relevant bibliometric performances

- Number of papers on International Peer Reviewed and Impact Factor ranked journals: 135
- Total citations number: 3954
- H-index: 35
- Number of book chapters: 5
- Number of patents (EP, PCT, WO): 7

2. Invited presentations to peer-reviewed, internationally established conferences

The PI gave a total of 45 Invited Conferences to various Meetings focusing on the chemistry and physics of conjugated materials.

3. Honours and awards.

- 3.1. In 2008 Dr. Beverina was awarded by the Italian Chemical Society with the “Medaglia Giacomo Ciamician” as the most brilliant Italian Organic Chemist under 35.
- 3.2. In 2011 he was awarded by the “Cariplo” Foundation with the “Frontier Research award” for its contribution to the Chemistry of photocrosslinkable conjugated materials.
- 3.3. In 2013 he is appointed “Young and Talented investigator” by the European Society of Organic Chemistry.
- 3.4. In 2016. Research award from the Organic Division of the Italian Chemical Society for the contribution to the Chemistry of Environment, energy and nanosciences.

4. Proofs of independent scientific leadership.

The PI independent career started in 2008 when he was awarded – as national coordinator - the first grant by the Italian Ministry of University and Research (PRIN program). Since then the PI demonstrated ample capability to attract funding with his new ideas. Effective February 2018 the PI coordinated 4 national Research Projects (PRIN, PRISMA and two Cariplo Foundation projects). He was also involved in three European Projects (FP6 Nanoeffects and FP7 Innoshade and EELICON) and he is currently taking part to another project (MC ITN Thinface). Alongside with institutional funding, the PI also attracted over 200 K€ from industrial funding. The most recognized PI contribution to the field of organic semiconductors is the development of the chemistry of squaraine compounds. Such peculiar class of organic dyes shows remarkable performance in fields as diverse as Organic photovoltaics, photodynamic therapy, fluorescence imaging and ion sensing. The PI contributed to all such fields. The PI started working on such class of compounds in 2004, while collaborating with the group of Prof. Seth Marder of the Georgia Institute of Technology. It is noteworthy that the Department of Materials Science of the University of Milano-Bicocca that employed the PI as assistant professor since 2005 had no track record whatsoever in this class of materials. Since then, the PI published more than 20 papers on the subject and was also asked to contribute with two invited reviews. Later on, the PI was awarded a grant devoted to the development of Luminescent Solar Concentrators. After just 2 years in the field, he was invited to contribute with a book chapter on the subject. The most recent development of the PI research interests is the synthesis of organic semiconductors in water environment. The most relevant contribution in the field is the development of a very efficient protocol for the Suzuki-Miyaura coupling in water and under air. Within 8 months from the publication of the first paper, the PI was invited to prepare a Feature Article on further developments of the method. Finally, the PI was recognized, back in 2013, eligible for the position of Full Professor in Organic Chemistry by the Italian Ministry of Research and Education. In one of the Commissioners own words the PI was considered “[...] internationally visible, has extensive experience abroad and a good project funding. Overall, the candidate is clearly eligible for appointment as full professor”