

Surname	Name	Current position	Date of birth
Ravelli	Davide	Assistant Professor (RTD-B), Department of Chemistry, University of Pavia	

### Education and training

Davide Ravelli (DR) was born in Morbegno (SO, Italy) in 1984. After graduating at the University of Pavia in 2008 (majors in organic chemistry and physical chemistry), he obtained the PhD in Chemistry in 2012 from the same university, with stages at: ENEA Bologna; University of Padova; ICSN, Gif-sur-Yvette, France. He has then been involved as a post-doc in two projects funded by Fondazione Cariplo ("Antitumorals: Photochemistry beyond enynes", PI: Prof. M. Fagnoni and "New innovative nanostructure materials for lithium-air, high-energy rechargeable batteries", PI: Prof. P. Mustarelli).

### Professional experience

After ca. 3 years as a fixed-term researcher (RTD-A; 2015-2018), since January 2019 DR has been appointed assistant professor (RTD-B) at the Department of Chemistry, University of Pavia. He has been PI of the SIR project "Organic Synthesis via Visible Light Photocatalytic Hydrogen Transfer" funded by MIUR (2015-2019) and he is currently PI of the "bando rafforzamento ERC" project entitled "Electrochemical Strategies applied to Organic Synthesis" funded by Fondazione Cariplo (2019 to present). In 2017, he had the opportunity to spend three months as a visiting scholar in the group of prof. R. R. Knowles at Princeton University (New Jersey, USA), while in spring 2019 he joined the Waldvogel group at Mainz University (Germany) for a visiting period.

DR is also in charge of different courses for degrees at the University of Pavia. These are:

- Since 2019: Professor in charge of the "Organic Chemistry and Laboratory" course for the degree in "Biotechnology" (36 hrs of teaching activity per year).
- Since 2019: Professor in charge of the "Organic Chemistry" course for the degree in "Conservation and Res-toration of Cultural Heritage" at the University of Pavia (12 hrs of teaching activity per year).
- Since 2015: Professor in charge of the "Green Chemistry" course for the master's degrees in "Chemistry" and "Biotechnology" at the University of Pavia (48 hrs of teaching activity per year).

Apart from these courses for the degrees at the University of Pavia, since 2019 DR is in charge of the "Photocatalysis in technology and synthesis: past, present and future" course for the PhD degree in "Chemical and Pharmaceutical Sciences and Industrial Innovation" at the University of Pavia (24 hrs of teaching activity). On top of that, DR is professor in charge of the Organic Chemistry lectures (ca. 30 hrs teaching + laboratory activities per year) for the Italian Team participating at the International Chemistry Olympiads (IChO).

During his research activities, DR has been responsible for: 5 post-doctoral research fellows, 5 M.Sc. student and 12 B.Sc. students for the degrees in Chemistry and Advanced Biotechnology at the University of Pavia. During his graduate and post-doctoral studies, DR has been co-supervisor of several undergraduate students (~ 15) for the degree in Chemistry, Erasmus students (2) and Ph.D. students (2).

### Scientific Publications and Congress or other Oral Communications

DR is currently a co-author of 98 publications (25 as first author; 29 as corresponding author) in international peer-reviewed journals (including 7 chapters in multi-authors books), mainly in the area of organic chemistry and photochemical processes. His articles have been cited around 4250 times; total Impact Factor (IF) around 788 and mean IF > 8.5; h-index factor = 29 (Scopus database). In the last five years (2015-2019), the scientific productivity of DR has been ca. 8 publications per year. Furthermore, the high-level scientific profile of DR is also demonstrated by the awards received (in the last years: the Ciamician medal by the Italian Society of Chemistry; the international award Vincenzo Caglioti by Accademia Nazionale dei Lincei and the GIF Young Investigator Award by Italian Photochemistry Group), the invited seminars and the contributions at both national and international meetings, including several

oral communications (also on invitation) as the presenting author. Recent invited lectures: 10th Singapore International Chemistry Conference, 2018; Ischia Advanced School of Organic Chemistry (IASOC), 2018; 7th European Chemistry Congress (EuCheMS), 2018; EuCheMS Young Investigator Workshop 2018 (YIW 2018), 2018; XXIV Congresso Nazionale della Società Chimica Italiana 2017; Joint Congress of the French/Italian Photochemists and Photobiologists, 2016; Avogadro Colloquia "Chemistry and Light", 2015; Nuovi Orientamenti nella Sintesi Organica (XXII Ed.), 2008. Recent invited seminars: Mainz University, 2018; Technische Universiteit Eindhoven (TU/e), 2017; University of Padova, 2016; Johannes Kepler University, Linz, 2016.

#### **Grants**

DR has been the leader of the SIR project "Organic Synthesis via Visible-Light Photocatalytic Hydrogen Transfer" (Proposal code: RBSI145Y9R; budget: 423500 €; from 09/2015 to 10/2019) funded on the SIR (Scientific Independence of Young Researchers) call promoted by MIUR (Italian Ministry of Education, Universities and Research). The aim of the project was the development of a class of photocatalysts capable of performing hydrogen atom transfer (HAT) reactions under visible-light irradiation.

DR is currently the leader of the "bando rafforzamento ERC" project entitled " Electrochemical Strategies applied to Organic Synthesis" (Proposal code: 2018-2627; budget: 57800 €) funded by Fondazione Cariplo. The project has a 18-months duration (03/2019 to 09/2020). The aim of the project is the training of the PI in the frame of electrochemical techniques applied to organic synthesis.