



## **Prof. Fabio Bellina, University of Pisa, Italy**

### **Title: Selective palladium-catalyzed C-functionalization of imidazoles**

**Professor Fabio Bellina** was born in Catania (Italy) in 1964. He studied chemistry at the University of Pisa and received his Laurea degree with first-class honours in 1990. In 1992, he joined the University of Pisa as an Organic Chemistry Researcher in the Department of Chemistry and Industrial Chemistry (DCCI). In October 2003, he was appointed by the Faculty of Science of the University of Pisa as an Associate Professor of Organic Chemistry and, in January 2016, he became Full Professor of Organic Chemistry at the same University, where he gives the courses of "Organic Chemistry" for the Laurea Degree in Chemistry, and of "Organic Chemistry IV" for the Magistral Laurea degree. He is a member of the council for the PhD course in Chemical Science of the University of Pisa, a member of the Executive Committee of DCCI as Vice-Director of the same Department (since 2016). He was also a member of the Academic Senate of the University of Pisa (2015-2016).

Prof. Bellina is the scientific leader of the Advanced Organic Synthesis Lab (AOSL). He was the designed member of the University of Pisa into the directive group of the Italian Inter-Universities Consortium of Reactivity and Catalysis (CIRCC) (2006-2015), and is a member of the PAMM (Pharmacology and Molecular Mechanism) group of the EORTC (European Organization for Research and Treatment of Cancer) since 2006.

The research interests of Prof. Bellina were initially devoted to the synthesis of naturally occurring compounds of biological and/or pharmacological interest and to the synthesis of structural analogues of natural fungicidal derivatives of agrochemical interest. More recently, Prof. Bellina focused his attention on new protocols for regioselective transition-metal-mediated carbon-carbon and carbon-heteroatom bond-forming reactions, with a particular interest in the selective functionalization of oxygen-containing unsaturated heterocycles. Currently, he is working on the development of novel protocols for the transition-metal-catalyzed direct C-H and N-H bond arylation of heteroarenes with a focus on direct arylation reactions and cross-dehydrogenative couplings, on the alkynylation of (hetero)aromatic scaffolds, and on the application of these new procedures to the selective preparation of bioactive natural and synthetic compounds, smart materials and heteroaromatic dyes for the preparation of new stimuli-responsive materials or for organic solar cells and solar concentrator devices. Prof. Bellina scores an h-index of 42 (Scopus), being the author of more than 100 articles in international journals (including several review papers), several book chapters, and three patents. He is also a member of the editorial board of *Current Organic Chemistry*.