

Dr. Jérôme Waser

Associate Professor in Organic Chemistry
Laboratory of Catalysis and Organic Synthesis (LCSO)
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Born in Sierre, Valais, Switzerland on October 18th, 1977.



Education and Academic Positions

- 2014- Associate Professor in Organic Chemistry, Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland.
- 2007-2014 Assistant Professor in Organic Chemistry, Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland.
- 2006-2007 Stanford University, chemistry, Stanford, California, USA
Postdoctoral studies, adviser: *Prof. Barry M. Trost*
- 2002-2006 Swiss Federal Institute of Technology (ETH), chemistry, Zurich, Switzerland
Ph. D., adviser: *Prof. Erick M. Carreira*, degree in 2006
- 1997-2001 Swiss Federal Institute of Technology (ETH), chemistry, Zurich, Switzerland
Diploma (master) work, adviser: *Prof. Erick M. Carreira*, degree in 2001

Awards and Fellowships

- 2017 ERC Consolidator Grant 2017
- 2016 Springer Heterocyclic Chemistry Award
- 2014 Werner Prize 2014 of the Swiss Chemical Society
- 2013 ERC Starting Grant 2013
- 2012 Silver Medal of the European Young Chemist Award

Selected Publications

- (5) “*Enantioselective Copper-Catalyzed Oxy-Alkynylation of Diazo Compounds*”
Hari, D. P.; Waser, J. *J. Am. Chem. Soc.* **2017**, *139*, 8420.
- (4) “*One-Pot Three-Component Synthesis of Vicinal Diamines via In Situ Amino Formation and Carboamination*”
Orcel, U.; Waser, J. *Angew. Chem., Int. Ed.* **2016**, *55*, 12881.
- (3) “*Fast and Highly Chemoselective Alkynylation of Thiols with Hypervalent Iodine Reagents Enabled Through a Low Energy Barrier Concerted Mechanism*”
Frei, R.; Wodrich, M. D.; Hari, D. P.; Borin, P. A.; Chauvier, C.; Waser, J. *J. Am. Chem. Soc.* **2014**, *136*, 16563.
- (2) “*Dynamic Kinetic Asymmetric [3 + 2] Annulation Reactions of Aminocyclopropanes*”
de Nanteuil, F.; Serrano, E.; Perrotta, D.; Waser, J. *J. Am. Chem. Soc.* **2014**, *136*, 6239.
- (1) “*Direct Alkynylation of Indole and Pyrrole Heterocycles*”
Brand, J. P.; Charpentier, J.; Waser, J. *Angew. Chem., Int. Ed.* **2009**, *48*, 9346-9349.
- Full academic CV available at: <http://lcs0.epfl.ch/waser>