

Dr. Nicolas BLANCHARD, CNRS Research Director
Head of the « Biomolecules, Synthesis, Methods (BSM)» research group

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RESEARCH INTERESTS

- Synthetic methodologies: cycloadditions, alkyne and hetero-substituted alkyne chemistry, copper-catalyzed reactions.
- Total synthesis of natural products: synthesis of complex polyketides from the *Mycobacterium ulcerans* family. Application to the elucidation of the mode of action of these potent human toxins.

ACADEMIC POSITIONS & EDUCATION

- Since October 2013: Research Director at CNRS, University of Strasbourg. Head of the « Biomolecules, Synthesis, Methods (BSM)» research group
- December 2002-September 2013: Junior researcher at CNRS, Universities of Orsay (2002-mid 2006), Mulhouse (mid 2006-2012) then Strasbourg (2013).
- September 2001-December 2002: Post-doctoral associate, University of Michigan (USA) Pr. Roush.
- April 2001-July 2001: Post-doctoral associate, University of Paris VI, Pr. J.-F. Normant.
- September 1997-July 2000: Ph.D. in Organic Chemistry, University Paris VI, Pr. J. Cossy & Dr. C. Meyer.

AWARDS

- 2016 “Advanced researcher award” of the French Chemical Society
- 2015 Syngenta Chemistry Lecturer
- 2015 Distinguished junior member of the French Chemical Society (2015-2018)
- 2014 Guy Ourisson Award
- 2012 Bronze medal of the CNRS.

CONFERENCES

- 63 lectures including 33 international lectures in symposium, universities and industries.

Three recent articles (among 106 articles, book chapters, patent and reviews – on 28th Jan. 2020)

- 1- Activating pyrimidines by pre-distortion for the general synthesis of 7-aza-indazoles from 2-hydrazonylpyrimidines via intramolecular Diels-Alder reactions; With Liu, F.; Houk, K. N. *et al. J. Am. Chem. Soc.* **2019**, *141*, 15901, [LINK](#).
- 2- Ipomoeassin F Binds Sec61 α to Inhibit Protein Translocation; with Simmonds, R.; Inglese, J.; Du, Y.; Demangel, C.; High, S.; Paavilainen, V. O.; Shi, W. Q. *et al. J. Am. Chem. Soc.* **2019**, *141*, 8450, [LINK](#).
- 3- Acid Fluorides in Transition-Metal Catalysis: A Good Balance between Stability and Reactivity; with Bizet, V. *Angew. Chem. Int. Ed.* **2019**, *58*, 6814, [LINK](#).