

Prof. Dr ABDALLAH HAMZE

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ACADEMIC DEGREES

2000: Master's degree in Chemical Biology, Montpellier I University, France.

2003: Ph.D. Chemistry, Max Mousseron Institute, Montpellier University

(Pr. J. Martinez & Dr J-F Hernandez), France.

2011: Accreditation to supervise research (HDR), Paris-Saclay University.



université
PARIS-SACLAY

FACULTÉ DE
PHARMACIE

POSITIONS

2004: Post-doctoral Fellowship – Sanofi, Dr. H. Vial, Dr. M. Calas research group, Subject: Synthesis of Antimalarial Prodrugs.



2004-06: Temporary Teaching and Research Fellow (ATER), Paris-Sud University, Dr. M. Alami and J-D. Brion group.



2006-2016: Permanent position in the Department of Medicinal Chemistry as Associate Professor, Paris-Saclay University.



Since 2017: Professor of Medicinal Chemistry at the Faculty of Pharmacy, Paris-Saclay University.



RESEARCH HIGHLIGHTS

- 🌀 Synthetic methodology, including organometallic chemistry (Pt, Pd, Sn, Si).
- 🌀 N-tosylhydrazones as a reagent in metal-catalyzed cross-coupling reactions.
- 🌀 New catalytic reactions for C-C and C-N bond formation.
- 🌀 Drug discovery; Synthesis of molecules of biological interest; Anti-vascular; Anti-cancer compounds, ADC, HDACi; Protein kinase (PKs) inhibitors.

SELECTED PUBLICATIONS

- Water-Facilitated Nitromethane-Mediated Cyclization of 2-(Phenylvinyl)benzhydrols: Access to 1,3-Diphenyl-1H-indenes with Antitumor Activity. **Adv. Synth. Catal.** 2022, 364, 3004-3015.
- Pd-Catalyzed Coupling of N-Tosylhydrazones with Benzylic Phosphates: Toward the Synthesis of Di- or Tri-Substituted Alkenes. **J. Org. Chem.** 2022, 87, 1249-1261.
- Iron-catalyzed reductive cyclization of nitroarenes: Synthesis of aza-heterocycles and DFT calculations. **Chin. Chem. Lett.** 2022, 107758.
- 1,1-Diheterocyclic Ethylenes Derived from Quinaldine and Carbazole as New Tubulin-Polymerization Inhibitors: Synthesis, Metabolism, and Biological Evaluation. **J. Med. Chem.** 2019, 62, 1902.
- Design, synthesis, and biological evaluation of quinoline-2-carbonitrile-based hydroxamic acids as dual tubulin polymerization and histone deacetylases inhibitors. **Eur. J. Med. Chem.** 2022, 240, 114573.
- Anticancer properties of indole derivatives as IsoCombretastatin A-4 analogues. **Eur. J. Med. Chem.** 2021, 223, 113656.
- "Catalytic Three-Component One-Pot Reaction of Hydrazones, Dihaloarenes, and Amines", Maxime Roche, Abdallah Hamze, Jean-Daniel Brion, Mouad Alami, **Org. Lett.**, 15 (2013), 148-51.

SCIENTIFIC PRODUCTION & KEY RESPONSIBILITIES

- 🌀 **Publications:** 110 papers, 3 reviews, 2 book chapters, 7 patents.
- 🌀 **Invited Lectures at Conferences:** Presented 20 lectures as an invited speaker at various universities.
- 🌀 **Collaborations:** collaborated with multiple research groups, including with several research groups, Dr. V. Gandon, at (LCM), **Institut Polytechnique de Paris**; Dr. L. Feliu, **University of Girona (Spain)**, Pr J. Feuillard, Laboratoire d'hématologie, **CHU (Limoges)**, Dr. M. Lombès, Dr H. Loosfelt, Inserm Unité 693 **Assistance Publique-Hôpitaux de Paris**. Pr. M. Tueni & Dr. A. Yassine, Lebanese University (**Lebanon**); Dr. D. Borgel, INSERM, **Hôpital Necker Enfants-Malades, Paris**; Dr. L. Lafanechère, Université Grenoble Alpes, Inserm, CNRS, **Grenoble**; M. Diederich, Seoul National University, **South Korea**.
- 🌀 **Reviewer:** acted as a reviewer for the ANR program and reviewed multiple international publications, including J. Org. Chem., Org. Lett., J. Med. Chem, Eur. J. Med. Chem, Adv. Synth. Catal. etc.
- 🌀 **Co-organization:** Co-organized the of 22nd and 24th Young Research Fellow Meeting (YRFM). Biology & Chemistry: Paris.