

Dr Abdallah HAMZE Ph.D. HDR.



ACADEMIC DEGREES

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

2003: PhD. Chemistry, Max Mousseron Institute, Montpellier University
(adviser: Pr. J. Martinez & Dr J-F Hernandez), France.

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



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. Subject: Hydrometalation of alkynes.

Since 2017: Permanent position in the department of Medicinal Chemistry as Full Professor, Paris-Sud University.



RESEARCH HIGHLIGHTS

- Synthetic methodology, including organometallic chemistry (Pt, Pd, Sn, Si).
- N-tosylhydrazone as reagent in metal-catalyzed cross-coupling reactions.
- New catalytic reactions for C-C and C-N bond formation.
- Synthesis of molecules of biological interest: HDAC, Anti-vascular & Anti-cancer compounds.

SELECTED PUBLICATIONS

- Toward a Greener Barluenga-Valdés Cross-Coupling: Microwave-Promoted C-C Bond Formation with a Pd/PEG/H₂O Recyclable Catalytic System, Lamaa, Diana; Messe, Estelle; Gandon, Vincent; Alami, Mouad; **Hamze, Abdallah, *Org. Lett.*** (2019), 21, 8708.
- Pyrrolo-imidazo[1,2-a]pyridine Scaffolds through a Sequential Coupling of N-Tosylhydrazones with Imidazopyridines and Reductive Cadogan Annulation, Synthetic Scope, and Application, Zhang, Kena; El Bouakher, Abderrahman; Levaïque, Helene; Bignon, Jerome; Retailleau, Pascal; Alami, Mouad; **Hamze, Abdallah, *J. Org. Chem.*** (2019), 84, 13807.
- 1,1-Diheterocyclic Ethylenes Derived from Quinaldine and Carbazole as New Tubulin-Polymerization Inhibitors: Synthesis, Metabolism, and Biological Evaluation, Naret, Timothee; Khelifi, Ilhem; Provot, Olivier; Bignon, Jerome; Levaïque, Helene; Dubois, Joelle; Souce, Martin; Kasselouri, Athena; Deroussent, Alain; Paci, Angelo; Varela, Paloma F.; Gigant, Benoit; Alami, Mouad; **Hamze, Abdallah, *J. Med. Chem.*** (2019), 62, 1902.
- One-Pot Reaction between N-Tosylhydrazones and 2-Nitrobenzyl Bromide: Route to NH-Free C₂-Arylindoles, Bzeih, Tourin; Zhang, Kena; Khalaf, Ali; Hachem, Ali; Alami, Mouad; **Hamze, Abdallah, *J. Org. Chem.*** (2019), 84, 228.
- Copper-Catalyzed Coupling of N-Tosylhydrazones with Amines: Synthesis of Fluorene Derivatives". Jessy Aziz, Gilles Frison, Montserrat Gómez, Jean-Daniel Brion, Mouad Alami, **Abdallah Hamze, *ACS Catal.*** (2014),4, 4498.

SCIENTIFIC PRODUCTION & KEY RESPONSIBILITIES

- Publications: 85 papers, 6 reviews, 2 book chapters, 7 patents.**
- Invited Lectures in Conferences:** 20 as invited speaker in several Universities.
- Collaborations** with several research groups, Dr. G. Frison, Département de Chimie, Laboratoire des Mécanismes Réactionnels - UMR7651 CNRS, **Ecole Polytechnique**; 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**).
- Reviewer** for the ANR program; **Reviewer of several international publication:** Nature Communications, The Journal of Organic Chemistry, Organic Letters, Journal of Medicinal Chemistry...
- Co-organization of 22nd and 24th Young Research Fellow Meeting (YRFM). Biology & Chemistry: Paris.

TEACHING ACTIVITY

- Medicinal Chemistry.