

Sylvie RADIX

Assistant Professor in organic chemistry

Born on October, 17th 1971

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DIPLOMA

DUT in chemistry (Technician title) (1991), Institut Universitaire de Technologie A, Lyon 1.

Chemical engineering diploma (1995), Ecole Supérieure de Chimie Industrielle de Lyon.

Master diploma in organic chemistry, (1995), University Claude Bernard Lyon 1.

PhD in Organic Chemistry, University Claude Bernard Lyon 1 (very honorable with jury congratulations, september 1998).

HDR (2009), University Claude Bernard Lyon 1

PROFESSIONAL AND SCIENTIFIC EXPERIENCES

Since September 2004 : Lecturer then assistant professor in organic chemistry MCU-HDR en chimie organique

Research in infectiology

- Design, synthesis and evaluation of new compounds with original modes of action to combat antibiotic resistance :
 - ✓ Design and synthesis of imidazo[4,5-*b*]pyridin-7-one derivatives as new antibacterial agents.
 - ✓ Identification of inhibitors of RelSt3 relaxase, enzyme involved in conjugative spread of antibiotic resistance.
- Design and synthesis of new anti HBV agents.

September 2003 – August 2004 : Post-doctoral position - A.T.E.R. (Pr. J. PARIS – Pr. R. BARRET)

EA3741 - Laboratoire de Chimie Thérapeutique - ISPB.

Synthesis of 5- and 6-azaindoles as potential inhibitors of *Toxoplasma Gondii* Purine Nucleoside Phosphorylase.

February 2002 – February 2003 : Post-doctoral position (Pr. R. BARRET – Laboratoires Pierre Fabre, Vigoulet-Auzil)

EA3741 - Laboratoire de Chimie Thérapeutique - ISPB.

Synthesis of phenanthrene derivatives with topical anti-inflammatory properties.

September 2000 - September 2001 : Post-doctoral position (Pr. E. P. KÜNDIG)

Organic Chemistry Department - University de Geneva.

Dearomatisation reactions *via* arene chrome tricarbonyl complexes.

October 1998 – March 2000 : Post-doctoral position (Pr. R. GRIGG)

MIDAS Centre - Leeds University - UK.

Pallado-catalyzed reactions using allenes, carbon monoxide and nitrogen nucleophiles.

September 1995 – August 1998 : PhD in organic chemistry (Dr. B. R. LANGLOIS)

UMR CNRS 5622 - Laboratoire SERCOF – University Claude Bernard Lyon 1.

CNRS / Rhodia grant : Use of fluoroform as anionic trifluoromethylation agent in presence of strong bases.

PUBLICATIONS (au 01/01/2022)

28 publications, 1 patent

PARTNERSHIPS

CIRI de Lyon

Institut de Biologie et Chimie des Protéines de Lyon

UMR A 1128 - Dynamique des Génomes et Adaptation Microbienne - Université de Lorraine