

Andrea Spallarossa

Associate Professor

EDUCATION AND TRAINING

06/02/2004

Master in Drug design and development

Thesis title: "Synthesis, SAR studies and docking simulations of phthalimide-containing acylthiocarbamates as non-nucleoside HIV-1 reverse transcriptase inhibitors"

Università degli Studi di Pavia

04/02/2002

PhD in Pharmaceutical Sciences

Thesis title: "Synthesis, SAR and molecular modelling studies of acylthiocarbamates and their parent thiocarbamates, as potent non-nucleoside reverse transcriptase inhibitors related to PETT derivatives"

Università degli Studi di Genova

November 1998

Professional qualification as pharmacist

Università degli Studi di Genova

17/03/1998

Degree in Pharmaceutical Chemistry and technologies (110/110 cum laude)

Thesis title: "Cartazolate analogues as pharmacologically active compounds"

Università degli Studi di Genova

PROFESSIONAL HISTORY

January 2006 to date

Associate professor

Research and teaching activities within the CHEM-07/A (ex-CHIM/08) scientific disciplinary sector

Università degli Studi di Genova

December 2005 - December 2015

Researcher (permanent staff)

Research and teaching activities within the CHEM-07/A (ex-CHIM/08) scientific disciplinary sector

Università degli Studi di Genova

01-09-2004 to 30-09-2005

Research fellowship

Development of synthetic methods for the preparation of diversity-oriented compound libraries

High-throughput Chemistry, GlaxoSmithKline (GSK) Harlow, UK

September 2002 to September 2004

Research fellowship

Design synthesis, modelling and bio-crystallographic studies on anti-HIV-1 compounds
Università degli Studi di Genova (supervisor: Prof. Angelo Ranise)

February 2002 – September 2002

Research fellowship

Crystallographic studies on sulfotransferases enzymes
Structural biology lab, Advanced Biotechnology Center, Genova (supervisor: prof. Martino Bolognesi).

ACADEMIC APPOINTMENTS

December 2024 to date

Delegate of the DIFAR Director on the Library Board of the School of Medical and Pharmaceutical Sciences

Università degli Studi di Genova

1/11/2018 – 31/10/2021

Member of the Departmental Board

Department of Pharmacy, Università degli Studi di Genova

Since 2008

Member of different Department Committees (lesson scheduling, international activities, admission test)

Department of Pharmacy, Università degli Studi di Genova

Since 1999

Teacher of curricular courses in different study courses

Professor of courses within the CHEM/07A (formerly CHIM/08) scientific-disciplinary sector in the courses of Pharmacy, CTF, Biotechnology, Scientific Information on Medicine and Herbal Techniques.

Università degli Studi di Genova

Since 2021

Teacher in PhD programs and specialization schools

Professor of courses within the CHEM/07A (formerly CHIM/08) scientific-disciplinary sector in the PhD school of Sciences and Technologies of Chemistry and Materials and specialization schools of Nuclear Medicine and Hospital Pharmacy.

Università degli Studi di Genova

EXPERIENCE

MAIN SEMINARS

5-6 May 2014 oral communication (invited)

(Acyl)thiocarbamates, disulfides and enamines as novel non-nucleoside HIV-1 reverse transcriptase inhibitors.

VII Giornate Italo-Francesi di Chimica (GIFC 2014). Torino

6-10 September 2004 oral communication

Studi Cristallografici di Complessi tra Transcrittasi Inversa di HIV-1 e Derivati Tiocarbammici a Scheletro Ftalimmidico, Inibitori Non Nucleosidici Correlati ai Derivati PETT.
XVII Congresso Nazionale della Divisione di Chimica Farmaceutica. Pisa

27-30 September 2001 Oral communication

Structural studies on prokaryotic sulfurtransferases

3rd International workshop on structural characterisation of proteins by NMR, X-ray diffraction and computational methods. San Vito di Cadore

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

12-10-2023 to date Research unit PI PRIN2022

Project title: "An indole-based conductive biocompatible adhesive to promote charge transfer among nerve structures "

Università degli Studi di Genova

01-01-2004 - 31-12-2006 Member of the research unit PRIN2004

Project title: "Drug development for the treatment of HIV/AIDS infections. Optimization of specific leads for: novel targets (TAT, IN), modulation of drug resistance (NNRTIs, PRIs), and microbicidal activity."

Università degli Studi di Genova

21-11-2001 - 31-12-2003 Member of the research unit PRIN2001

Project title: "Novel functional roles, folding, and structural biology of prokaryotic sulfotransferases"

Università degli Studi di Genova

EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES, ENCYCLOPAEDIAS AND TREATISES

2025 Graham L. Patrick, "An Introduction to Medicinal Chemistry", 7th edition

Translation of chapters 16 (Combinatorial and parallel synthesis) e 19 (Antibacterial Agents). Piccin Nuova Libreria

2013 Wilson & Gisvold, "Text book of Organic Medicinal and Pharmaceutical Chemistry", 12th edition

Translation of chapters 14 (Anticonvulsants), 18 (Drugs Acting on the Renal System) e 19 (Cardiovascular Agents).

CEA

2024 Guest editor International Journal of Molecular Sciences

Special issue "Medicinal Chemistry: From Drug Design to Drug Development"

MDPI

2023 Guest editor International Journal of Molecular Sciences

Special issue "Synthesis and Biological Evaluation of Pyrazole Derivatives"

MDPI

2022 to date Topical Advisory Panel Member of International Journal of Molecular Sciences (MDPI)

2023 Guest editor International Journal of Molecular Sciences

Special issue “Pharmaceutically-Active Pyrazole Compounds”
MDPI

2020 Guest editor International Journal of Molecular Sciences
Special issue “Drug Design, Synthesis and Delivery”
MDPI