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Claudia Sorbi

Date of birth: 21/01/1972 | **Nationality:** Italian | **Gender:** Female | **Phone number:** (+39) 3488608842 (Mobile) | **Email address:** claudia.sorbi@unimore.it | **Website:** https://personale.unimore.it/rubrica/dettaglio/sorbic |

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ABOUT ME

I suffer from a strange bipolarity, in which the scientific soul is in constant exchange and struggle with the humanistic one

EDUCATION AND TRAINING

01/01/1998 – 31/12/2000 Modena, Italy
PH.D. IN MEDICINAL CHEMISTRY University of Modena and Reggio Emilia

Level in EQF EQF level 8

10/1997 MODENA, Italy
SPECIALISATION COURSE IN "LABORATORY METHODS FOR DRUG RESEARCH" University of Modena and Reggio Emilia - Department of Pharmaceutical Sciences

05/1997 Modena, Italy
PHARMACIST PROFESSIONAL QUALIFICATION (STATE EXAM) UniMORE - Department of Pharmaceutical Sciences of Modena - Italy.

09/1991 – 19/02/1997 Modena, Italy
MASTER DEGREE IN PHARMACY (110/110 CUM LAUDE) University of Modena and Reggio Emilia

Level in EQF EQF level 7

09/1986 – 07/1991 MODENA, Italy
TECHNICAL-SCIENTIFIC DIPLOMA (60/60 CUM LAUDE) F. Selmi Institute

Level in EQF EQF level 4

WORK EXPERIENCE

11/2014 – CURRENT MODENA, Italy
ASSISTANT PROFESSOR UNIMORE - LIFE SCIENCES DEPARTMENT

Medicinal Chemist: organic synthesis and structural and biological characterization of the synthesized molecules up to the preclinical phase.
Teaching activity:
- from 2015 to 2020: Analysis of Medicines 2 (4th year - Pharmacy)
- from 2024: Pharmaceutical Analysis Laboratory (1st year - Pharmacy)

01/11/2011 – 31/10/2014 MODENA, Italy
TENURED UNIVERSITY RESEARCHER UNIMORE - LIFE SCIENCES DEPARTMENT

Medicinal Chemist: organic synthesis and structural characterization of synthesized molecules with different analytical techniques such as NMR and LC-MS.
Supplementary teaching activity to support the Analysis of Medicines 2 edicational laboratory (4th year - Pharmacy)

15/02/2007 – 31/10/2011 MODENA, Italy
TECHNICIAN UNIMORE

Laboratory Technician, in charge of
- two educational laboratories for Pharmacy and Chemistry and Pharmaceutical Technologies degree courses
- general management tasks of the demineralised water production plant of the ex Department of Pharmaceutical Sciences

01/09/2005 – 31/08/2006 MODENA, Italy
RESEARCH FELLOW UNIMORE - DEPARTMENT OF PHARMACEUTICAL SCIENCES

Research Contract, Tutor Prof. Annalisa Tait
research activity: synthesis, molecular characterization and pharmacological evaluation of 2,1,3- e 1,2,4-benzothiadiazine derivatives as PDE4 inhibitors.

01/03/2003 – 31/07/2005 Trieste (Padriciano - AREA SCIENCE PARK), Italy
JUNIOR SCIENTIST EURAND S.P.A.

Eurand S.p.A. employee, junior scientist (Organic Synthesis):
research activity: synthesis of new polymer-based drug conjugates for cancer therapy and their physical-chemical and biological characterization. Study of molecular mechanism of polymeric vectors involved in cancer therapy.

01/01/2001 – 30/11/2002 MODENA, Italy
RESEARCH FELLOW UNIMORE - DEPARTMENT OF PHARMACEUTICAL SCIENCES

Research Contract, Tutor Prof. Livio Brasili
research activity: synthesis, molecular characterization and pharmacological evaluation of new muscarinic, Alpha1 adrenergic, Sigma1 / Sigma2 and 5-HT1A serotonergic ligands.

PROJECTS

National Fundings

- Ministerial and UniMORE funding such as PRIN project (2022-PNRR, as participant) and FAR project (2019 as PI and 2023 as participant) respectively.
- AIRC foundation: Investigator Grant (2019, as participant).

PUBLICATIONS

Last 5 years publications

1. **2024** - Farmaci attivi sul Sistema Nervoso Adrenenrgico, Cap. 20 - CHIMICA FARMACEUTICA, EdiSES.
2. **2023** - BS148 Reduces the Aggressiveness of Metastatic Melanoma via Sigma-2 Receptor Targeting.
3. **2023** - Discovery of potent pyrrolo-pyrimidine and purine HDAC inhibitors for the treatment of advanced prostate cancer.
4. **2023** - Insights into the Structural Conformations of the Tau Protein in Different Aggregation Status.
5. **2023** - Novel S1R agonists counteracting NMDA excitotoxicity and oxidative stress: A step forward in the discovery of neuroprotective agents.
6. **2022** - Effect of the replacement of the o-methoxyphenyl moiety with nitrogen-containing aromatic rings within N-phenyl-piperazine and phenoxy-ethylamine-based 1,3-dioxo/oxathio/dithiolanes as α1 and 5-HT1A receptor ligands.
7. **2021** - Inhibitors of histone deacetylase 6 based on a novel 3-hydroxy-isoxazole zinc binding group.
8. **2021** - Investigation of the effect of different linker chemotypes on the inhibition of histone deacetylases (HDACs).
9. **2020** - Identification of a Potent and Selective 5-HT1AReceptor Agonist with In Vitro and In Vivo Antinociceptive Activity.
10. **2020** - Novel Dithiolane-Based Ligands Combining Sigma and NMDA Receptor Interactions as Potential Neuroprotective Agents.
11. **2020** - Spiroxatrine derivatives towards 5-HT1A receptor selectivity.
12. **2019** - 1,3-Dioxane as a scaffold for potent and selective 5-HT1AR agonist with in-vivo anxiolytic, anti-depressant and anti-nociceptive activity.
13. **2019** - Effect of the rigidification of propranolol, a mixed β-adrenoceptor and 5-HT1AR antagonist.

BIBLIOMETRY

Metrics

2000-2024: 36 papers on peer-reviewed journals, 1 book chapter, 1 patent.
citations: 392

h-index:12 (font: Scopus, May 29th, 2024)
ORCID ID: 0000-0001-6916-4933

CONFERENCES AND SEMINARS

Modena and Verona, Italy

WORKSHOP and CONGRESS ORGANIZATION

- XXIII GIORNATA DELLA CHIMICA DELL'EMILIA ROMAGNA, December 19th, Modena, **2024**.
- Drug Discovery in Epigenetics, December 15th, Modena, **2023**.
- XIX National Meeting on Medicinal Chemistry, September 14-18th, Verona, 2008.
- Second Joint Italian-Swiss Meeting on Medicinal Chemistry, September 12-16th, Modena, 2005.

NETWORKS AND MEMBERSHIPS

Milan, Bari Pavia, Catania; Poland, USA; UK, Verona, Rome, Milan

Several Italian and foreign Universities; Companies such as GSK, IRBM and Recodati

Affiliations to Scientific Societies and Institutional Positions

2021 November 1st - 2024 October 31st:
UniMORE Academic Senator and member of the Senate Research Committee.

2024 January-present: member of the tutoring commission of Pharmacy Degree Course.

2020-present: member of the professional internship examination commission of the Pharmacy Degree Course.

1998-present: Italian Chemical Society - Medicinal Chemistry Division; https://www.soc.chim.it/
1997-present: Modena's Pharmacists Order; https://www.ordinefarmacistimo.it/

HONOURS AND AWARDS

09/2022

Poster prize runner up – Medicinal Chemistry Division - SCI

Poster prize runner up at the *XXVII National Meeting in Medicinal Chemistry*, Bari – Italy (September 11-14th, 2022).

03/2001

Oral Communication Grant – Medicinal Chemistry Division - SCI

Grant for oral communication at the *13th Noordwijkerhout-Camerino Symposium*, Noordwijkerhout, The Netherlands (May 6-11st, 2001).

09/1998

"BRACCO National Prize" (honorary mention) – BRACCO, Milan, Italy

Honorary Mention for Pharmacy's Experimental Thesis.

MANAGEMENT AND LEADERSHIP SKILLS

excellent organizational skills; excellent project and staff management in the research laboratory

ORGANISATIONAL SKILLS

good time management and ability to work during periods of time pressure to meet strict deadlines

COMMUNICATION AND INTERPERSONAL SKILLS

excellent communication, empathic, resilience and problem solving skills

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	C1	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Zoom | Microsoft Office | Google Drive | Skype | LinkedIn | Google Docs

DRIVING LICENCE

Driving Licence: B

Claudia Sorbi

Autorizzo il trattamento dei mie i dati personali a i sensi del Decreto Legislativo 30 giugno 2003 , n. 196 "Codice in materia d i protezione dei dati personali"
Modena, 16-10-2024