

PERSONAL INFORMATION

Margherita Brindisi



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Department of Pharmacy
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Sex female | Date of birth 27/11/1980 | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input checked="" type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

- Date and position
 - Employer'
 - Work location
 - Main activities
 - Business or sector
- April 15th 2022 to date - Associate Professor of Medicinal Chemistry**
Department of Pharmacy, University of Naples Federico II
Naples (Italy)
Teaching in degree courses of scientific sector CHIM-08 and medicinal chemistry research activity
Academia
- Date and position
 - Employer'
 - Work location
 - Main activities
 - Business or sector
- April 15th 2019 to April 14th 2022 - Assistant Prof. of Medicinal Chemistry**
Department of Pharmacy, University of Naples Federico II
Naples (Italy)
Teaching in degree courses of scientific sector CHIM-08 and medicinal chemistry research activity
Academia
- Date and position
 - Employer's name
 - Work location
 - Main activities
 - Business or sector
- September 1st 2016 to October 30th 2017- Visiting Scientist**
Prof. Arun K. Ghosh, Purdue University, Department of Chemistry
West Lafayette, Indiana (USA)
Design and synthesis of aspartyl protease inhibitors
Academia
- Date and position
 - Employer's name
 - Work location
 - Main activities
 - Business or sector
- September 1st 2015 to August 31st 2016 – Post-doctoral fellow**
Department of Biotechnology, Chemistry and Pharmacy, University of Siena
Siena (Italy)
Design and synthesis of novel potential therapeutics against cancer and neurodegenerative disorders
Academia
- Date and position
 - Employer's name
 - Work location
 - Main activities
 - Business or sector
- June 1st 2012 to May 31st 2015 – Junior Researcher (RTD-A, L.240/10)**
Department of Biotechnology, Chemistry and Pharmacy, University of Siena
Siena (Italy)
Design and synthesis of novel biologically active compounds; teaching activity.
Academia
- Date and position
 - Employer's name
 - Work location
 - Main activities
 - Business or sector
- January 1st 2010 to June 30th 2011 – Post-doctoral fellow**
Prof. Arun K. Ghosh, Purdue University, Department of Chemistry
West Lafayette, Indiana (USA)
Design and synthesis of aspartyl protease inhibitors for the treatment of Alzheimer's disease
Academia

- Date and position
- Employer's name
 - Work location
 - Main activities
- Business or sector

January 1st 2008 to December 31st 2009 – Post-doctoral fellow

Department of Biotechnology, Chemistry and Pharmacy, University of Siena
Siena (Italy)
Design and synthesis of compounds active against neurodegenerative diseases
Academia

EDUCATION AND TRAINING

- Date and qualification awarded
- Training organisation's name
 - Locality
- Subjects covered/skills acquired

November 2004 to February 2008 – PhD in Pharmaceutical Sciences

Department of Biotechnology, Chemistry and Pharmacy, University of Siena
Siena (Italy)

Thesis title: 'Section 1 – design and synthesis of novel Adenosine kinase inhibitors; Section 2-Design and synthesis of novel FAAH inhibitors'. Tutor: prof. Isabella Fiorini

Date and qualification awarded

October 1999 to October 2004 – Master's degree in Chemical and Pharmaceutical Technologies (*cum laude*)

Department of Biotechnology, Chemistry and Pharmacy, University of Siena
Siena (Italy)

Thesis Title "Synthesis of non-nucleoside inhibitors of Adenosine Kinase".

- Training organisation's name
 - Locality
- Subjects covered/skills acquired

Job related skills

- Since April 2019 MB is PI at SPOTS-Lab, University of Naples Federico II, Dept. of Pharmacy, where, among other projects, she applies enabling technologies (eg. flow chemistry) in a green/sustainable declination for the synthesis of biologically relevant compounds for a variety of drug discovery projects.

- Since January 2022, M.B. is Responsible for a RTD-A research contract (PON "Ricerca e Innovazione" 2014-2020 - AZIONE IV.6 CONTRATTI DI RICERCA SU TEMATICHE GREEN).

- May 2020- June 2020 reviewer on behalf of Academy of Finland for five scientific proposals. The call concerned the development of drugs and vaccines against COVID-19 with a funding campaign aimed at promoting high quality research.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English
Proficiency level: excellent

Awards

2021, 2022 and 2023: Included in the Stanford top 2% world scientist list (publications and citations parameters)

Oct 2020: Nominated *EuroMedChem Talent* by *ChemMedChem* journal and the European Federation of Medicinal Chemistry

Editorial activity

- **From Sept. 2021** Associate Editor *Frontiers in Chemistry* IF. 5.221
- **From Aug. 2022:** Editorial Advisory Board member for *Bioorg Med. Chem* (Elsevier), IF: 3.461
- **From Aug. 2021:** Editorial Board member for *Int. J. Mol. Sci.* (MDPI), IF: 5.924
- **From April 2020:** Editorial Board member for *Molecules* (MDPI), IF: 4.441
- **From Sept. 2015:** Associate Editor *BMC Pharmacol. & Toxicol.* (BioMed Central), IF 2.103.
- **Co-Guest Editor** Special Issue for *Molecules* titled 'Sustainable Approaches to Natural Product-Inspired Drug Discovery and Development'
- **Co-Guest Editor** Special Issue for *Molecules* titled 'Chasing New Therapeutics for COVID-19: Target Identification and Validation, Medicinal Chemistry and Drug Discovery Efforts'
- **Co-Guest Editor** Special Issue *Frontiers in Oncology* titled 'Multi-target Directed Ligands for the Treatment of Cancer'
- **Co-Guest Editor** for the Special Issue in *Frontiers in Chemistry* titled 'Women in Medicinal and Pharmaceutical Chemistry 2022'

Invited presentations

- **Keynote** for the 3rd International Conference on Medicinal Chemistry & Drug Discovery Title: Structure-based drug design as an enabling tool toward novel therapeutics in cancer,

neurodegenerative disorders and infectious diseases.

- **Invited online Talk** at the Dep.t of Chemistry, Central University of Punjab, Bathinda (India). Title: Drug development and medicinal chemistry efforts toward Covid-19 therapeutics

Grants **November 2023- October 2028** AVITHRAPID Call from European Commission. Role: Working Group 1 Co-Leader. 300k euros (5 years)

October 2023-September 2025 Italian Ministry of University and Research
Project title: PRIN-2022 Amygging. Role: Principal Investigator. 90k euros (24 months)

November 2022-October 2025 Italian National Center for Gene Therapy and Drugs based on RNA Technology” – CUP E63C22000940007. Role: Spoke 7 member. 50K euros (36 months)

November 2022-October 2025 EU extended Partnership INF-ACT One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases;. Role: Spoke 5 member; 160K euros (36 months).

June 2021-May 2022 Departmental Research Support Grant.
Project title: SYNLIV (Synergistic Liver Cancer Fighting). Role: Principal Investigator. 14k euros (12 months)

Sept 2020-Jan 2022 Italian Cystic Fibrosis Foundation (FFC Grant 2020): Harnessing selective histone deacetylase 6 (HDAC6) -inhibition to tackle inflammation and fibrotic remodeling in cystic fibrosis. Role: Co-Principal Investigator. 55k euros (12 months)

April 2020-Exscalate4CoV - EXaSCale smArt pLatform Against paThogEns for Corona Virus- founded by the EU's H2020-SC1-PHE-CORONAVIRUS-2020 call, Role: UNINA team member. 160k euros (16 months)

Patents **1- US20200165264; WO2019006335; Macrocytic HIV-1 Protease Inhibitors and Uses thereof.**
Filing date:29/06/2018. International Publication date: 03/02/2019.
The inventors have designed and developed a series of macrocytic HIV-protease inhibitors based upon X-ray structure of darunavir-bound HIV protease.

2- US20200299308; WO2019075358; BACE-1 Inhib. for the Treatment of Alzheimer's Disease.
Filing date:12/10/2018. International Publication date: 18/04/2019.

ADDITIONAL INFORMATION

Scientific Impact *h*-index: 35
4,169 total citations
114 articles in ISI peer-reviewed journals

Relevant publications - **The complete list of Publication is available on Scopus Author ID: 24337509300 and on pubmed: <https://pubmed.ncbi.nlm.nih.gov/?term=margherita+brindisi&sort=date>**

PLACE AND DATE	According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV
Naples, November 15 th , 2024	<div>SIGNATURE</div> 