# Curriculum Vitae

## Personal information


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| First name/ Surname | **Luciana Marinelli** |
| Address | University of Naples Federico II Department of Pharmacy, School of Medicine Via D. Montesano,49 Naples, Italy |
| Telephone | +3981679899 |
| E-mail | lmarinel@unina.it |
| URL for web site | https://www.docenti.unina.it/luciana.marinelli |
| Nationality | Italian |
| Date of birth | 05-03-1974 |
| Gender | Female |


## Current Position / Occupational field

**Full Professor in Medicinal Chemistry (SSD: CHIM-08), Università degli Studi di Napoli Federico II (UNINA).**

## Work experience

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| 2018-present | Full Professor in Medicinal Chemistry (SSD: CHIM-08), Università degli Studi di Napoli Federico II (UNINA). |
| 2005-2023 | Graduate Student Advisor, Università degli Studi di Napoli Federico II, Dipartimento di Farmacia, Italia. |
| 2014-2023 | Member of Centro Interdipartimentale di Ricerca in Farmacoeconomia e Farmacoutilizzazione, Università degli Studi di Napoli Federico II, Dipartimento di Farmacia, Italia. |
| 2011-2023 | Committee Member for PhD in Pharmaceutical Sciences |
| 2011-2013 | Committee Member of Theoretical and Computational Division, Italian Chemical Society. |
| 2005- | Member of Pharmaceutical Chemistry Division of Italian Chemical Society. |
| 2022- | Member of Physical Chemistry Division of Italian Chemical Society |
| 2012-2022 | Member of COST Action CM1207: GLISTEN: GPCR-Ligand Interactions, Structures, and Transmembrane Signaling: a European Research Network (2012-2022). |
| 2017-2019 | Coordinator of Bachelor's degree in Nutraceutical Science |

## Education and training

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| 1998 | Degree in Pharmacy, 110 cum laude, Università degli Studi di Napoli Federico II (UNINA). |
| 2002 | PhD in MedChem at UNINA and in laboratories of Prof. Dr. Horst Kessler, Carl von Linde, Professor, Emeritus of Excellence of the TU München (Insitut fur Organische Chemie und Biochemie). |
| 2003 | Research Fellow in the laboratories "Drug Design and Development" of Prof. Dr. Horst Kessler. |
| 2004 | Research Fellow in Dipartimento di Farmacia, UNINA |
| 2005 | Researcher in Medicinal Chemistry, UNINA. |

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| 2014 | Associate Professor in Medicinal Chemistry at UNINA |
| 2018 | Full Professor in Medicinal Chemistry at UNINA |

## Work ACTIVITIES

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| Awards | -FARMINDUSTRIA 2010 PER LA RICERCA FARMACEUTICA, XXII Congresso Nazionale della Società Chimica Italiana (12-16 Settembre, Abano Terme - PD, Italia).<br>- UNINA AWARD for the quality of her research in Medicinal Chemistry. |
| Editorial Activities | |
| 2020 – | Scientific Advisory Board of Master One Health in Naples (Italy) |
| 2018 – | Editorial Board of Scientific Reports (Nature Publishing Group) |
| 2022 – | Scientific Advisory Board of Molecules (Bioactive Lipids Section's) |
| 2005-2023 | Reviewer for Journal of Medicinal Chemistry (ACS) |
| 2005-2023 | Reviewer for Angewandte Chemie International Edition (Wiley) |
| 2018-2023 | Reviewer for Nucleic Acid Research (Oxford UniversityPress) |
| 2005-2023 | Reviewer for Current Computer-Aided Drug Design |
| 2020-2023 | Reviewer for Journal of Translational Medicine |
| 2010–2023 | Evaluator of MIUR (Italian Ministry of Research) Projects |
| 2017 | Evaluator of call H2020-MSCA-ITN-2017 |
| 2017 | Evaluator of Polish Ministry of Science and Higher Education. |
| Invited presentations | Her scientific production is validated by several national and international cooperation with Italian and foreign researchers, and by several participations as speaker to national and international conferences and meetings. |
| Grants | - PNRR: M6/C2_CALL 2022, Discorvery of novel neuroprotective drugable targets and repurposed drugs to treat incurable neurodegenerative disorders. Unina Unit, € 260.000,00<br>- POR Campania FESR 2014/2020: Fighting Cancer resistance: Multidisciplinary integrated Platform for a technological Innvovative Approach to Oncotherapies. Role: Unit Coordinator, € 1.100.000,00<br>- PRIN 2017: Making Way For Small Molecules: Novel Chemotherapeutic Agents Acting at Tumor-Immune Interface. Role: PI, € 600.498<br>- PRIN 2015: A Multi-target approaches toward the Glioblastoma Multiforme. Role: Unit Coordinator, € 101.700 for Marinelli's Unit<br>- PRIN 2012: Identification, Sustainable Synthesis, and Biological studies of novel Drugs for Central Nervous System Cancers. Role: Unit Coordinator, € 242.857 for Marinelli's Unit<br>- FIRB 2010: Mithochondrial Medicine: A novel approach for chemioresistent cancer. Role: PI, € 312.966<br>- F.A.R.O. 2010: Novel therapeutic approaches for apoptosis induction in cheioresistent cancers. Role: PI, € 40.000.<br>- PRIN 2009: Design and development of novel agents for parasitic diseases treatment. Role: Unit Coordinator Role:Unit Coordinator, € 80.000 for Marinelli's Unit.<br>- L.R. N.5 2007: Application of novel computational and synthetic strategies to develop BACE-1 inhibitos against Alzheimer. Role: PI, € 40.000 |
| Patents | - IT 102021000016775, title: DERIVATI TRIAZINICI PER IL TRATTAMENTO DEI TUMORI E DI DISTURBI NEURODEGENERATIVI.<br>- Nuovi derivati AZA-tanshinonici, procedimento per la loro preparazione, e loro uso in terapia |
| Collaborations | - Prof. Dr. Horst Kessler, Emeritus Professor of Excellence at the Technical University of Munich (TUM, Garching, Germany) in the field of Integrin receptors in cancer.<br>- Prof. Monique Dontenwill, Bioimagerie et Pathologies UMR CNRS 7021, Faculté de Pharmacie, Université de Strasbourg, France, in the field of Integrin receptors in cancer.<br>- Prof. Dr. Hans-Jurgen Wester, Lehrstuhl fur Pharmazeutische Radiochemie (Garching, Germany) in the field of PET-Tracer design and development.<br>- Prof. Dr. Michele Parrinello, Computational Science and Applied Biosciences, (ETH Zurich, Svizzera) in the field of computational chemistry methods development and application.<br>- Prof. Claudio Luchinat, Magnetic Resonance Center (CERM) University of Florence, Italy in the field of NMR applied to drug discovery and mechanism of action definition.<br>- Tad A. Holak, Jagiellonian University, Poland. |

- Prof. Alessandro Provenzani, Department of Cellular, Computational and Integrative Biology (CIBIO), University of Trento, Italy, in the field of RNA binding protein.
- Prof. Susanne Kossatz, Klinikum rechts der Isar der Technischen Universität München: Munchen, Bayern, DE

Technical skills, computer skills and competences

Luciana Marinelli studies systems of medical/pharmaceutical relevance using both standard and advanced computational methods and Nucleic Magnetic Resonance approaches. Technical skills: analysis of ligand-receptor interactions, studies of the correlation between ligand/receptor structures and specificity/potency of interaction, ligand-based and receptor-based drug design methodology, Lead optimization strategies (eg. Free Energy Perturbation FEP) scaffold hopping, pharmacophore-based and receptor-based Virtual Screening (VS), 2D/3D similarity searches, conformational analysis of peptides in solution through computational approaches, homology building of biopolymer systems and studies of the dynamic behaviour, advanced molecular dynamic simulations, machine learning methodologies.

## Additional information

Publications

SCOPUS: https://www.scopus.com/authid/detail.uri?authorId=7007165229
(SCOPUS) total number of publications in peer-review journals 139 publications, number of citations 4,807, H index 42

Naples 10, 5, 2023