

Brief CV Simona Maria Monti

Positions and Employment

1993: M.D. Food Science, University Federico II of Naples, Italy
1994-1997: PhD in Food Science and Health, University Federico II of Naples, Italy
2001 – 2020: Researcher at the Biocrystallography Center, National Research Council Naples, Italy
2008 – Present: Lab Leader of IBB Research Unit focusing on biochemical and structural characterization of biomedical macromolecules, and drug discovery
2018 – Present: In charge for Molecular and Structural Biology laboratory safety at IBB-CNR, Naples, Italy
2020 – Present: Senior Researcher at the Institute of Biostructures and Bioimaging, National Research Council Naples, Italy
2020 – Present: Member of the IBB-CNR Institute Council, Naples, Italy.

Patents

2009-Present European patent: Peptide ligands specific to immunoglobulins. Eur. Pat. Appl. (2006), 17 pp. CODEN: EPXXDW EP 1621546 A1 20060201
2010-Present: International patent: Gadd45Beta targeting agents, WO2011/048390, publication date 28.04.2011, PCT/GB2010/001970.
2012- Present: the patent WO2011/048390 has been licensed to Spin-out KESIOS THERAPEUTICS (UK)
2020-Present: IT Patent application n.102020000018811, "Peptidi Biostimolanti e Bioprotettivi e loro impiego in agricoltura"31/07/2020 (status pending).

Spinoff

2021-Present: Co-founder of innovative start-up IMMUNOVEG s.r.l.

Other Experience and Professional Memberships

2001-Present Ad Hoc reviewer for several research journals Biochimie, Bioorganic & Medicinal Chemistry, Bioorganic & Medicinal Chemistry Letters, Journal of Enzyme Inhibition and Medicinal Chemistry, Current Pharmaceutical drug design, Current Medicinal Chemistry, Proteins, Preparative Biochemistry & Biotechnology, Food Chemistry, Metabolites, Bioorganic chemistry, Biomolecules etc.
2001-Present: IBB Committee Member for the evaluation and purchase of important scientific instruments
2001-Present: IBB Committee President or Member for graduate or postdoc research grants
2006-2006 Chairman of 10th Naples workshop on bioactive peptides – Conformation activity relationships in peptides and interactions with biomolecules: the legacy of Murray Goodman.
2008-2008 Chairman of 11th Naples workshop on bioactive peptides – new frontiers in the search of bioactive molecules, from peptides to drugs
2013-2013: Scientific and organizing member of the 2nd Satellite Meeting on Carbonic Anhydrases committee Naples, 23-25 October 2013
2016- 2016 External Reviewer for the German Research Foundation, Chemistry and Engineering Sciences
2016 – 2017: Guest Editor of Special Issue on Current Topics in Medicinal Chemistry” (Bentham, IF. 3.402), entitled “Bacterial zinc-enzymes as drug targets
2017 - 2018. External Reviewer for the Italian Ministry of Education and Research MIUR (Ministero dell’Istruzione, Università e Ricerca) for research projects evaluation
2017-Present: Regional Board Member of The Open Biochemistry Journal”, (Bentham Open ISSN: 1874-091X)
2018 – 2019: Guest Editor of Special Issue on Oxidative Medicine and Cellular Longevity”, (Hindawi, IF. 4.936), entitled: “Role of antioxidants in the protection from aging-related diseases”
2019 – 2020: Guest Editor of Special Issue on Biomolecules (MDPI, IF. 4.694) entitled “The Amazing World of IDPs in Human Diseases”
2019-Present: Editorial Board Member of Biomolecules (MDPI, IF. 4.694)
2019-Present: Editorial Board Member of Scientific Report area Chemical Biology, (Springer Nature, IF: 4.5)
2020 – Present: Guest Editor of Special Issue on Biomolecules (MDPI, IF. 4.694) entitled “The Amazing World of IDPs in Human Diseases” second volume

2014 – Present: National qualification for full professor in General and Clinic Biochemistry (code 05/E1), Italy

Honors

2008-2009: CNR Highlights “Crystal structure of the catalytic domain of the tumour-associated human Carbonic Anhydrase IX”

2009-2010 CNR Highlights “Crystal structure of the catalytic domain of the tumour-associated human Carbonic Anhydrase IX”

2011: CNR fundings award LS training in USA

2018-2019: Top Cited Article on Medicinal Research Review (Wiley) “Inhibition of Carbonic Anhydrase IX targets primary tumors, metastases, and cancer stem cells: three for the price of one”

2019-2020: UNINA Highlights on Science “Maleness-on-the-Y (MoY) orchestrates male sex determination in major agricultural fruit fly pests”

2020: Startup Campania Innovation Awards for ImmunoVeg innovation

Membership of Scientific Societies

2018 - Present Member, Italian Society of Biochemistry and Molecular Biology (SIB)

2021 - Present IBB Referent of European Paediatric Translational Research Infrastructure (EPTRI)

Complete List of published work in My Bibliography

Author of more than 120 publications in peer reviewed international journal (1994-2021); h-Index = 41 (Google Scholar); or 34 (Scopus)

<https://orcid.org/0000-0001-9647-7089>

<https://www.scopus.com/authid/detail.uri?authorId=7007008860>

IBB website: <http://www.ibb.cnr.it/?command=viewu&id=425>

Research Project Responsibility

One Research Contract as PI from Materias S.r.l

One Research Contract as PI from University of Pisa.

One Research Grant as PI from Regione Campania

One Research Grant as Unit PI from PON-MIUR

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Research Project Partecipation

Participation to more than 22 research projects with national and international partners, among which Regione Campania, University of Florence, CNR, MAE, MIUR, 2 European Projects

Academic Tutoring

Tutor of 6 PhD students (1 Marie Curie)

Correlator of 16 Master's degree students

Scientific Tutor of 2 postDocs

Scientific Tutor of 4 temporary Research grants

Tutor of 3 Training-and-orientation Internship students

Research Unit Mentoring

Mentoring of 1 CNR TD researcher involved in molecular biology, biochemistry and structural biology.