

WORK EXPERIENCE

From **27 December 2018 to date**: Researcher (III level) at the Institute of Biomolecular Chemistry (CNR) Pozzuoli.

From **18 November 2013 to 26 December 2018**: fixed-term contract as a researcher (level III) at the Institute of Biomolecular Chemistry (CNR) Pozzuoli;

From **15 December 2011 to 14 October 2013**: Fellowship at the Institute of Biomolecular Chemistry (CNR) Pozzuoli, working on the isolation and identification of bioactive molecules and lipid antigens from marine organisms.

EDUCATION/QUALIFICATIONS

- **PhD course in Pharmaceutical Sciences- X ciclo**
November 2008 to February 2012
University of Salerno (Department of pharmaceutical sciences) –Institute of Biomolecular Chemistry (CNR) Pozzuoli
Isolation and structural determination of metabolite from marine organisms for pharmaceutical application: research and selection of the organisms, purification of new compounds, evaluation of biological activity and synthetic studies on the isolated natural compounds.
Marks: Excellent
- **Master of Science in Chemistry and Pharmaceutical Technologies.**
Università degli studi di Napoli “Federico II” Facoltà di Farmacia
Degree in Chimica e Tecnologie Farmaceutiche. Sperimental thesis in Organic Chemistry, title: “Aplysiopseni: nuovi alfa-pironi isolati dal mollusco socoglosso Aplysiopsis formosa”
Marks: 110/110 cum laude and ‘Honor Mension’ and its publication on the faculty website
Qualification to the profession of pharmacist.

Coordination of research projects

- Technical manager of Achievement Objective of the project Antitumor Drugs and Vaccines from the Sea (ADVISE) - POR CAMPANIA FESR 2014.2020 – from 01/01/2019 to 31/12/ 2021;
- Operational Unit Manager of the project Cosmeceuticals And Nutraceuticals From Antarctic Biological RESources (CAN FARE) - Progetto di Ricerca MIUR PNRA16_00043 – from 06/11/2018 to 6/11/2020;
- Project manager of the INCIPIT CONFUND project (grant agreement n. 665403) co-funded by HORIZON 2020/Marie Sklodowska Curie Action “IDENTIFICATION OF NEW LEAD COMPOUNDS FOR DRUG-DISCOVERY FROM MARINE SOURCES AS A NOVEL THERAPEUTIC OPPORTUNITY TO TREAT NEURODEGENERATIVE DISORDERS” – from February 2018 to 2021

Participation in research projects

- Interreg V-A Italy-Croatia CBC Programme 2014-2020 “AdriAquaNet” from January 2019 to 30.06.2021;
- H2020 Project, Call: H2020-NMBP-2016-2017, funded by EU, Grant Agreement n. 760431 Topic: BIOTEC-05-2017, Type of action: RIA (Research and Innovation action) “Biological routes for CO2 conversion into chemical building blocks - BioRECO2VER” – from 01/01/2018 to 31/12/ 2021;
- Research Project between ICB-CNR and Italcementi SPA, Evaluation of diatom resistance to cement flue gas (AlgaSink) – from 25/07/2016 to 24/07/2017;
- Research Project MIUR “Ricerca di composti bioattivi attraverso frazionamento ed isolamento di piccole molecole da biomasse microalgali” from 18/11/2015 to 17/11/2016;

- PON01_02740 “Sfruttamento integrato di Biomasse Algali in Filiera Energetica di Qualità (SIBAFEQ)” – from 18/11/2013 to 31/12/2015;
- Project PRIN: “Rotture della intolleranza immunologica e allergie alimentari: possibile ruolo dei linfociti NKT lipide-specifici CD1-ristretti” – from 15/12/2011 to 14/10/2013;
- Italy-Brazil bilateral project (grant no. 490247/2011-3) CNR and CNPq, Fondazione CAPES “Studies on the chemical diversity and biosynthesis of marine natural products isolated from marine invertebrates and associated microbiota from the coast of Ceara, Brazil” - 2012/2013;
- MIUR Project “L’Istituto di Chimica Biomolecolare va a scuola e ... le scuole vanno all’Istituto di Chimica Biomolecolare”

Research activity: Purification and structural elucidation of biomolecules: extraction and fractionation through the use of upgraded chromatographic techniques, study of biological and biosynthetic processes, development of libraries of marine natural compounds for drug discovery, chemical study of lipids; determination of chemical structures and stereochemistry of natural products by spectroscopic and advanced spectrometers methods.

Bibliometric parameters

Total Publications: 52

h-index (Web of Science): 14

Sum of Times Cited (Web of Science): 476

Institutional responsibilities

2016 – to date Partners Spin off BioSearch S.r.l.

c/o Stazione Zoologica Anton Dohrn Villa Comunale – 80125 Napoli;
POZZUOLI, Istituto Chimica Biomolecolare – CNR, Via Campi Flegrei 34,
80078 Pozzuoli – Napoli

Reviewing Activities

2019 - 2021 Guest Editor Special Issue “Drug Discovery from Marine Sources” in Applied Science, international peer-reviewed open access journal on all aspects of applied natural sciences published semi-monthly online by MDPI

2019 - 2021 Guest Editor Special Issue "Bioassay Platforms for the Disclosure of the Pharmaceutical Potential of Marine Natural Products" in Marine Drugs, international peer-reviewed open access journal on all aspects of applied natural sciences published semi-monthly online by MDPI