

Personal Information **Gaetano Barbato**
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 Web-of-Science ResearcherID : G-4904-2011

CURRENT POSITION

CEO and Legal Representative
Inno-Sol srl – start-up innovativa
Piazza di Villa Carpegna 45, 00165, Rome, Italy

PROFESSIONAL EXPERIENCES IN ACADEMY

a.y. 2020-today
 Contract Professor **University of Rome Tor Vergata, School of Pharmacy**
 ▪ Teaching course in **English** : “Strategies of targeted delivery of active principles”, 2 CFU, BIO/12

a.y. 2019-2022
 PhD Scientific Board **University of Rome Tor Vergata, XXXV cycle PhD in Industrial Engineering,**
 ▪ Teaching in **English** Monographic course: Therapeutic Ultrasound Technologies: engineering topics and solutions for pre-clinical (cellular and in-vivo) and clinical applications.

a.y. 2020-today
 Contract Professor **University of Rome Tor Vergata, School of Pharmacy**
 ▪ Teaching course in **English**: “Drug Analysis”, 16 CFU Chim/08 including laboratory experiences

a.y. 2020-2023
 Contract Professor **University UniCamillus, School of Medicine and Surgery**
 ▪ Teaching course in **English** : “Laboratory Medicine: module of Clinical Biochemistry”, 2 CFU, BIO/12

a.y. 2019-2023
 PhD Scientific Board **University UniCamillus, Degree in Biomedical Laboratory Techniques**
 ▪ Teaching course in **English** “Clinical Biochemistry and Pharmaceuticals Toxicology”: Clinical Biochemistry module 2CFU, BIO/12

a.y. 2010-2021
 Contract Professor **University of Rome Tor Vergata, School of Pharmacy**
 ▪ Teaching course in **English**: “Drug Analysis II”, 12 CFU Chim/08, including laboratory experiences

Research Projects Grants

2018-2019
 Principal Investigator **POR-FESR Abruzzo 2014-2020: Asse I Ricerca Sviluppo Tecnologico e Innovazione, Linea d’Azione 1.1.4 – Cost admitted: 180 k-eur**

2015-2018
 Principal Investigator **MISE Fondo Credito Sostenibile: project FCS F/0011/00/X26 – Cost admitted: 1.6 M eur**

2011-2015
 Principal Investigator **MIUR PON “R&C” 2007-2013 Asse I - PON01-01059: Cost admitted: 4.1 M eur.**

2012-2014
 Principal Investigator **MIUR PON “R&C” 2007-2013 Titolo II - PON02-00643-3613586: Cost admitted: 1.4 M euro.**

PROFESSIONAL EXPERIENCE
IN INDUSTRY

- Nov 2021-today
CEO
- Inno-Sol srl – start-up innovativa**
Piazza di Villa Carpegna 45, 00165, Rome, Italy
- Legal Representative
 - Direction of Research & Development activities,
 - Internal Mandatary for Intellectual Property,
 - Direction administration and reporting of Funded Projects, Activity of Industrial Research
 - Production of Therapeutic Ultrasound platform SonoWell® for cellular and ex-vivo studies
- Jan 2012-2020
Manager
- Promedica Bioelectronics srl**
Dir. Research & Development
via Leon Pancaldo 2, 00147, Roma, Italia
- Direction of Research & Development activities, management of 6 employees (3Ph.D, 2 technicians, 1 administrative). Internal Mandatary for Intellectual Property, Direction administration and reporting of Funded Projects, Activity of Industrial Research
 - Management of a “Stabilimento Utilizzatore” for small animal models (authorized by Ministry of Health).
 - Management of administrative and reporting activities for the Ministry of University, Research (MIUR), Ministry of Economic Development (MISE), Ministry of Health (MINSAL).
- Dec 2010-Dec 2011
Researcher
- European Brain Research Institute (EBRI), Fondazione R.L. Montalcini,**
Head of Project
Via Fosso del Fiorano 64, 00143, Roma, Italia
- Responsible for Research Project
- Mar 2000-Sep 2009
Unit Head Manager
- Istituto di Ricerca di Biologia Molecolare, (Merck Research Laboratories – Italy)**
Head of Biophysics Unit
via Pontina km 30.600, 00040, Pomezia (RM), Italia
- Direction of Research activities with Physical methodologies applied to Pharma Research.
 - Manager of Biophysics team (4 persons): 3 Ph.D (Organic Chemist, Molecular Biology, Biochemistry) 1 Laurea degree (Biology).
 - Projects on cellular assays validation via physical methods
 - mAb selection from libraries
 - HIV virus mechanism of internalization
 - Interdepartmental Fund Raising with National/International Agencies management
 - Management of IRBM Patent Portfolio
 - Member of “Merck Research and Technology Laboratory Committee” for Due Diligence in the evaluation, acquisition and/or Development of innovative technologies prototypes, useful to accelerate pharmaceutical research.
- Nov 1998-Feb 2000
Researcher – Group Leader
- Istituto di Ricerca di Biologia Molecolare, (Sigma Tau - Merck Research Laboratories – Italy Joint Venture)**
- Research activity with Physical methodologies applied to Pharmaceutical Research, Magnetic Resonance Spectroscopy, Surface Plasmon Resonance, Calorimetry
 - Projects on HCV virus, HIV virus proteases

Mar 1992-Oct 1998
Employee Researcher

Istituto di Ricerca di Biologia Molecolare, (Sigma Tau - Merck Research Laboratories – Italy Joint Venture)
Researcher

- Research activities with Nuclear Magnetic Resonance spectroscopy techniques applied to Pharmaceutical Research
- Study of Interactions: Protein – Protein, Protein - Receptors, Enzyme – substrate/small organic molecules
- Protein structure with Nuclear Magnetic Resonance Spectroscopy
- Projects on cytokines IL-6, Oncostatin M, Zinc-Fingers Scaffolds

CURSUS STUDIORUM

1991-1992

Post-Doc: National Institutes of Health – NIDDK – Bethesda MD (USA)

Post-Doc Laboratory of Chemical-Physics, supervisor Dr. Ad Bax.

- Multidimensional and Multinuclear Nuclear Magnetic Resonance Techniques

1988-1991

Ph.D Thesis in Chemistry, University of Naples, Federico II

Thesis: "Conformational studies of protein cationic complexes Biologically relevant".

1982-1987

Laurea degree in Chemistry, University of Naples, Federico II

VOTO
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Thesis: "Thermodynamica of the interaction between S-Adenosyl-L-methionene and DNA, binding studies on model systems".

Societies and Memberships

2012-today Member of the European Society of Molecular Imaging
2004-2010 Scientific Board member of "Gruppo Italiano di Discussione sulla Risonanza Magnetica" (GIDRM)
2000-2008 Board Member of "Research Technology License Committee" della Merck & Co.
1997-2006 Member of the American Chemical Society
1988-oggi Member of GIDRM
1988-oggi Member of Italian Register of Professional Chemists

Editorial Activities

Associate Editor for BMI Biomolecules

Referee Activities

referee for the following peer reviewed journals as well as Public Organizations for project funding:

Contrast Media and Molecular Imaging

FEBS Letters

Analytical Biochemistry

Journal of Molecular Biology

Journal of Biological Chemistry

Biochemistry

Journal of Magnetic Resonance

Journal of Biomolecular Nuclear Magnetic Resonance

Frontiers in Pharmacology

BMI Biomolecules

Referee for Swiss Federation on (HCV) projects.

Referee EU-Cordis Horizon 2020 projects.

SCIENTIFIC PRODUCTION
PUBLICATIONS AND PATENTS

Publications Author of 75 publications on “peer-reviewed” journals, (Orcid, Web of Knowledge, researcher ID, publons).

Statistical Indexes of Quality Statistical Indexes evaluation (researcherID publons)
h-index: 24
citation index 2.738
impact factor 278,98

Patents and Intellectual Property Inventor in 7 granted Patents, and 5 applications of Patents on going;
co-applicant in 7 granted Patents and in 4 applications of Patents on going.
Co-inventor in: WO2010138343A1 – “Neuromedin U receptor Agonists” applied 2010
Co-inventor and co-applicant in: Italian Patent n. 1422072 granted on 22/04/2016
Co-inventor and co-applicant in: US 10.295.505 – granted on 21/5/2019
Co-inventor and co-applicant in: JP6592849B2 – granted on 04/10/2019.
Co-inventor and co-applicant in: Italian Patent n. IT2017000116344 - granted 24/01/2020
Co-inventor and co-applicant in: Italian Patent n. IT2017000116380 granted on 24/01/2020
Co-inventor and co-applicant in: CN 106.661.535 B granted on 02/03/2021
Co-inventor and co-applicant in: EP 3.097.180 B1 granted on 13/10/2021
Co-inventor and co-applicant in: EP18796770.8 applied on 18/03/2021
Co-inventor and co-applicant in: EP18796771.6 applied on 18/03/2021
Co-inventor and co-applicant in: US 11.351.549 B2 granted on 07/06/2022
Co-inventor and co-applicant in: US 11.422.115 B2 granted on 23/08/2022

Personal Data Born in Naples, 25/06/1963
Living in Roma

“Autorizzo al trattamento dei dati personali, secondo quanto previsto dal D. Lgs. 196/2003”.

Roma 23 August 2022

Firma