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**Basic info**

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### Curriculum Vitae Dr. Giovanni N. Roviello, Ph.D.

**Researcher at Italian National Council for Research (CNR), Institute of Biostructure and Bioimaging (IBB)**

**E-mails:** [giroviel@unina.it](mailto:giroviel@unina.it) (<mailto:giroviel@unina.it>); [giovanni.roviello@cnr.it](mailto:giovanni.roviello@cnr.it) (<mailto:giovanni.roviello@cnr.it>);

H-index: **25 (Scopus)**, **25 (WoS)**, **27 (Google Scholar)**

ORCID ID: <https://orcid.org/0000-0001-6065-2367>

<https://www.scopus.com/authid/detail.uri?authorId=35580154100>

<https://www.reviewercredits.com/user/giovrovi/>

CNR scientific leader for EU project **NoBiasFluors**, H2020, **872331**

<https://cordis.europa.eu/project/id/872331>

June 2002: Degree in **Chemistry cum laude**. Federico II University, Naples – Italy

June 2002-Jan. 2003: participation in the European Research Project Centre for Design and Structure in Biology (CDSB) -Jena (Germany), **Istituto di Biostrutture e Bioimmagini del CNR, Napoli/IMB-Institut fr Molekulare Biotechnologie, Jena (Germany)**.

November 2002-January 2006: **Ph. D. in Biotechnology** Federico II University, Naples - Italy. Thesis: PNA/DNA chimeras for biotechnological applications.

March 2005-June 2005: Research activity at the **Georg-August-Universität of Goettingen (Germany)**.

April 2006-May 2006: scientific collaboration with **RiboVax Biotechnologies S. A.**

June 2006-November 2006: scientific collaboration with Biostructure and Bioimaging Institute of National Council of Research (**IBB-CNR**).

November 2006-today: **CNR Researcher** at Biostructure and Bioimaging Institute of National Council of Research.

1st April 2017 -31st May 2017: visiting researcher at UCD-Dublin /O'Brien Science Centre and collaboration with Kelada Pharmachem *Ltd* (**H2020 Marie Sklowdowska-Curie RISE grant - ChemoEnz**).

1st September 2018 -30 November 2018: **supervisor of Dr. Marta Fik** (post-doc activity at IBB-CNR, SONATINA 1 Research Programme no. 2017/24/C/ST5/00181) and **Martyna Szymanska** (doctorate activity at IBB-CNR, CHEMINTER Research Programme no. POWR.03.02.00-00-IO26/16), both from Department of Bioinorganic Chemistry, Faculty of Chemistry - **Adam Mickiewicz University in Poznan, POLAND**.

*IBB CNR Research Coordinator for the scientific collaborations with Adam Mickiewicz University - Poznan, POLAND*, (Agreement prot n. IBB CNR 0001777 26/09/2018)

7th January 2019 -28th January 2019: visiting researcher at **Friedrich-Alexander University - Erlangen, Germany** and collaboration with prof. **Andriy Mokhir** (Department Chemie und Pharmazie). **CNR Short Term Mobility** programme (STM 2018 prot.n. CNR0067802/2018 - 15/10/2018)

25th October 2021 - Scientific Consultant for the Research Project 'Synthesis and biological evaluation of unnatural alpha-amino acids and peptide-based systems for biomedical strategies' (Scientific Committee of Republic of Armenia; Code 21T-1D057, start date 25-10-2021, duration 3 years)

January 2023-2025: **Project leader**/coordinator of the international research project "Synthetic alpha-amino acids and peptide-based systems for anticancer strategies"; Joint research Project – **CNR/MESRA (Armenia) cooperation** (CNR Prot. N. 19140 del 20230125 (2023-CNR0A00-0019140))

**Teaching activities:**

September 2004-September 2006: **Lecturer at Chemistry** introductory course, Faculty of Sciences **Federico II University of Naples.**

November 2007-November 2010 and May 2012 - November 2012: **Lecturer in Chemistry, Federico II University of Naples.**(Facoltà di Biotecnologie; Facoltà di Agraria; Chimica Generale ed Inorganica)

November 2010-March 2012: **Lecturer in Chemistry, Parthenope University of Naples.** (Facoltà di Scienze e Tecnologie; Chimica Generale ed Inorganica con Laboratorio)

January 2019: **Lecturer in Chemistry, Friedrich-Alexander University - Erlangen, Germany** ('Bioanorganische Chemie III' CME3-B5, M.Sc. Chemistry WS 18/19)

April 2021: Teaching activity (15 h) for the Ph.D. students **Adam Mickiewicz University - Poznan, POLAND (Faculty of Chemistry): Advanced Course on Nucleic acid chemistry for Biomedical application**

June 2021: participation in the **Evaluation Committee** for the doctoral candidates of **Adam Mickiewicz University - Poznan, POLAND (Faculty of Chemistry): AMU University - EU European Social Fund**

Mar 2022-today: **Lecturer for the course "The Biotechnological Basis of Rehabilitation"** (45 academic hours) for the **Georgian State Teaching University of Physical Education and Sports (Tbilisi, Georgia;** Level of Education: Bachelor's Level; Education Program: Physical Medicine and Rehabilitation)

**Project Leaderships:**

January 2012-2015: **Project leader**/coordinator of the international research project "Nucleopeptides for biomedical strategies"; Joint research Project – **CNR/SRNSF (Georgia) cooperation** (CNR Prot. N. 0001165 del 10/01/2011);

Project leader of the project "*sintesi chimica di agenti chemiluminescenti*" (prot. IBB CNR N. 0001626 25/09/2012 ; prot. IBB CNR N. 0001024 30/04/2014) in collaboration with **Altergon Italia S.r.l.**

**Project leader**/coordinator of the research project "Nuovi sistemi nucleopeptidici per applicazioni diagnostiche"; Legge Regionale 5. Annualità 2007 - Regione Campania (funded research project started in November 2015)

CNR scientific leader for EU project **NoBiasFluors**, H2020, **872331 (1st Jan 2020- 1st Jan 2024)**  
<https://cordis.europa.eu/project/id/872331>

CNR scientific leader for the project '**Synthesis and biological evaluation of unnatural alpha-amino acids and peptide-based systems for biomedical strategies**' unilaterally funded by the **Science Committee of the Republic of Armenia** (Code 21T-1D057; **28th Oct 2021 -28th Oct 2024**)

January 2023-2025: **Project leader**/coordinator of the international research project "Synthetic alpha-amino acids and peptide-based systems for anticancer strategies"; Joint research Project – **CNR/MESRA (Armenia) cooperation** (CNR Prot. N. 19140 del 20230125 (2023-CNR0A00-0019140))

CNR scientific leader for OR5 '**SISTEMI DI DIAGNOSTICA PRE- E POST-NATALE A SUPPORTO DELLA CONSULENZA GENETICA PRE-NATALE**' of MIUR project **PON03PE\_00060\_4**

**Membership in scientific/organizing committees:** 1- 3rd International Conference of Young Scientists – Chemistry Today - 2013, Georgia; 2- 4th International Conference of Young Scientists - Chemistry Today - 2014, Armenia; 3- Novel Strategies in Anticancer Therapy and Diagnostics - Workshop in the frame of the POR FESR 2014 - 2020 - 2019, Italy 4-I Chimici per le Biotecnologie-Workshop Federico II University, Naples, 2023 -Italy  
<https://www.chimiciperlebiotecnologie.it/workshop-2023>

**Other appointments:**

May 2012: achievement of the title of **Professor honoris causa** in Medicinal Chemistry, **Geomed Medical University of Tbilisi - Georgia**.

May 2012: Nomination as an **Expert consultant** in the field of Chemistry for Chemical, Biological, Radiological and Nuclear (**CBRN**) Centres of Excellence (**CoE**).

November 2012-September 2016 **Supervisor for the General Chemistry Laboratory**, Department of Biological Sciences, **Parthenope University of Naples**.

June 2012: **Poster Prize** awarded at COST Conference Personalised Medicine: Better Healthcare for the Future 17-22 Giugno 2012, Larnaca, Cipro

January 2014-July 2016: participant in the Caspases Project supported by Regione Sardegna

Italian National Scientific Qualification (Abilitazione Scientifica Nazionale): habilitation as "**Associate Professor**" (II fascia)

2017 - **03/C1 - Organic Chemistry**

2017 - **03/B1 - Inorganic & General Chemistry**

2017 - **05/E1 - General Biochemistry**

habilitation as "**Full Professor**" (I fascia):

2021 - 03/C1 - *Organic Chemistry***Papers selected for Journal's cover page:**

- 1) Roviello V, Gilhen-Baker M, Vicidomini C, **Roviello GN\*** The healing power of clean rivers: in silico evaluation of the antipsoriatic potential of apiin and hyperoside plant metabolites contained in river waters. *Int J Environ Res Public Health*. 2022 . DOI: 10.3390/ijerph19052502

**§selected for the cover of the Issue 5, Volume 19 (March-1 2022 – 656 articles) <https://www.mdpi.com/1660-4601/19/5> (<https://www.mdpi.com/1660-4601/19/5>)**

Vicidomini, C.; Roviello, V.; Roviello, G.N. In Silico Investigation on the Interaction of Chiral Phytochemicals from *Opuntia ficus-indica* with SARS-CoV-2 M<sup>Pro</sup>. *Symmetry* **2021**, *13*, 1041. <https://doi.org/10.3390/sym13061041><sup>§§</sup>

**§§selected as paper recommended by the Scientific Editor ('Editor's choice' appointment)**

**Editorial Board Member**, Modern Issues of Medicine and Management, publisher: Geomed University, Georgia, ISSN 1512-4169

Topic Editor:

Molecules, publisher: MDPI, ISSN 1420-3049

Guest Editor:

Molecules, publisher: MDPI, ISSN 1420-3049

Biomolecules, publisher: MDPI, ISSN 2218-273X

Pharmaceuticals, publisher: MDPI, ISSN 1424-8247

Inorganics, publisher: MDPI, ISSN 2304-6740

**Membership in conference scientific/organizing committees:**

**1-** 3rd International Conference of Young Scientists – Chemistry Today - 2013, Georgia;

**2-** 4th International Conference of Young Scientists - Chemistry Today - 2014, Armenia;

**3-** Novel Strategies in Anticancer Therapy and Diagnostics - Workshop in the frame of the POR FESR 2014 - 2020 - 2019, Italy.

**4-** Towards Novel Anticancer Strategies: It's Time to Build a New Research Community - Workshop in the frame of the POR FESR 2014 - 2020 - 2019, Italy.

<https://sites.google.com/view/anti-cancer-strategy/home> (<https://sites.google.com/view/anti-cancer-strategy/home>)

5-I Chimici per le Biotecnologie- Workshop Federico II University, Naples, 2023 - Italy <https://www.chimiciperlebiotecnologie.it/workshop-2023>

***Some conferences and achievements:***

Aug 2011 **EBSA bursary by European Biophysical Societies' Association** for the attendance to the **"8th EBSA European Biophysics Congress"** August 23rd–27th 2011, Budapest, Hungary, as reported in Eur Biophys J (2011) 40 (Suppl 1):S11

Oct 2011 **CNR bursary – Individual Training Plan for the attendance to the "ESF-COST High-Level Research Conference - Systems Chemistry III** 23-28 October 2011 – Amoudara – Crete, Greece. (formazione individuale CNR Quota A; prot. N. 0009547 - 31/01/11).

***Referee***

Journal of Physical Chemistry - **American Chemical Society**, Bioconjugate Chemistry - **American Chemical Society**, Molecular Biology and Evolution - **Oxford University Press**, International Journal of Biological Macromolecules - **Elsevier**, New Journal of Chemistry - **Royal Society of Chemistry**, Current Medicinal Chemistry, **Bentham Science Publishers**; Current Pharmaceutical Design, **Bentham Science Publishers**; Medicinal Chemistry, **Bentham Science Publishers**; International Journal of Nanomedicine, **Dove Medical Press**; International Journal of Pharmaceutics, **Elsevier**; Nucleosides, Nucleotides and Nucleic Acids, **Taylor & Francis**.

***Memberships:***

**EPS (European Peptide Society)**, member since 2008.

**EFB (European Federation of Biotechnology)**, member since 2016

**Reviewer Credits**, member since 2017

**SCI (Società Chimica Italiana)**

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Webmaster and developer: Marco Comerci (?command=viewu&id=3) & Massimiliano Sorbillo (?command=viewu&id=507)

For problems and suggestions: **admin@ibb.cnr.it**

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