

SANDRO COSCONATI

Curriculum vitae

Curriculum Vitae at a glance (quick facts):

- **Associate Professor of Medicinal Chemistry** at the University of Campania Luigi Vanvitelli (UCLV).
- **Master degree in Medicinal Chemistry and Technologies** (*summa cum laude*) and **PhD in Medicinal Chemistry** in 2006.
- **Post-doc in USA** at **The Scripps Research Institute**, Olson Lab, La Jolla, CA.
- In **2013** awarded "**Best Young Researcher in Medicinal Chemistry**" by the Italian Chemical Society.
- From June 2015 **member of the Scientific Advisory Board** of the **Abilita Bio, Inc.**, San Diego, CA. USA.

1. ACADEMIC RECORD AND PERSONAL INFO

Personal information	<p>Name: Sandro Cosconati</p> <p>Date of birth: 02-01-1980</p> <p>Marital status: Married</p> <p>ORCID ID: 0000-0002-8900-0968</p> <p>Website: https://sites.google.com/site/thecosconatilab/</p>
Education and training	<ul style="list-style-type: none"> • July 2003: Master Degree in Medicinal Chemistry and Technologies "<i>summa cum laude</i>", University of Naples "Federico II", experimental thesis in Medicinal Chemistry. • 19 December 2006: Ph.D. in Medicinal Chemistry with a thesis entitled "Characterizing the 1,4-Dihydropyridines Binding Interactions in the L-type Ca²⁺ Channel: Model Construction and Docking Calculations" University of Naples "Federico II". Supervisor: Prof. E. Novellino.
Current position	<p>In 2011 I joined UCLV to become Assistant Professor of Medicinal Chemistry. Thanks to my first awarded grant (PRIN 2012) I set up my own laboratory to undertake an independent research career. In 2017 I was appointed Associate Professor.</p>
Awards	<ul style="list-style-type: none"> • September 2013 awarded "Best Young Researcher in Medicinal Chemistry" by the Italian Chemical Society (Farindustria Prize). • March 2017 obtained the national scientific qualification to Full Professor
Research Activity Abroad	<ul style="list-style-type: none"> • September 2010 visiting fellow at Molecular Networks GmbH, Erlangen, Germany Prof. Dr. Johann Gasteiger Laboratory. • August 2006 – August 2008 (1 year and a half during 3 different periods) Postdoctoral Fellow The Scripps Research Institute (TSRI), La Jolla, CA, USA Prof. Dr. A. J. Olson Laboratory. As Research Associate at TSRI, I developed new methods to overcome the technical hurdles of docking-based methods and developed a hybrid pharmacophore- docking-based method, Consensus Maps VS, which is now included in one the most widely used docking suites AutoDock.

Mentoring activity	<p>Supervised 2 Ph.D. students</p> <p>Supervisor of 3 Post-Doctoral Fellows and 1 Ph.D. student.</p>
Teaching activity	<ul style="list-style-type: none"> • Quantitative Drug Analysis: 2009-2010 (2 academic years) Pharmacy Master Degree, UCLV, (average enrollment 100 students) and in the 2021-2022 academic year. • Medicinal Chemistry 2: 2011-2022 (9 academic years) Pharmacy Master Degree, UCLV, (average enrollment 100 students). • Medicinal Chemistry 1: 2013-2021 (2 academic years) Pharmacy Master Degree, UCLV, (average enrollment 100 students).
Commission of trust	<ul style="list-style-type: none"> • From June 2015 member of the Scientific Advisory Board of the Abilita Bio, Inc., San Diego, CA. • 14/11/2013 member of the Ph.D. committee at the Ecole Doctorale Sciences de la Vie et de la Santé, Bordeaux II, France. • Member of the Ph.D. Council in Biomolecular Sciences of the UCLV • President of the Commissione Paritetica of the DiSTABIF, UCLV.

Research record and funding ID at a glance (quick facts):

- Number of years publishing: **17**
- **117 papers**; h-index: **33**
- **9** articles as **first-author** and **23** as **corresponding author**.
- **10** articles in journals with IF > **11** (**JACS, Angew, NAR, Nat. Struct. Mol. Biol.**) and **78** articles in journals with IF > **5**.
- In **2013 and 2016 awarded** the National “PRIN” grants (below 1% success rate)

2. RESEARCH RECORD

Scientific Production	117 articles in ISI peer-reviewed journals 9 articles as first author and 23 as the corresponding author 1 chapter of book
Scientific Impact	h-index: 33 3178 total citations (Scopus 11 th October 2021). Number of years publishing: 17 78 articles in journals with IF>5 59 Q1 articles in the <i>Medicinal Chemistry</i> category 8 articles in the top journals in the <i>Multidisciplinary Chemistry</i> category
Reviewer for	Funding bodies: Italian Ministry of Education and Polish National Science Centre. Numerous leading peer-reviewed scientific journals (<i>JACS, J. Med. Chem., J. Chem. Inf. Model, PLOS One, ChemMedChem, Drug. Discov. Today</i>)
Research Funding	In 2014 and 2016 awarded the National “PRIN” grant (below 1% success rate) <u>There is and there will be no funding overlap with the ERC grant requested and any other source of funding for the same activities and costs that are foreseen in this project.</u> In 2018 I was awarded the VALERE PLUS Project from Università della Campania “Luigi Vanvitelli” In 2019 I was awarded the VALERE Project from Università della Campania “Luigi Vanvitelli” <u>I was awarded in the past with the following grants:</u> -2007 “L.R. n° 5” grant from the Regione Campania. End date: 2010. Role: PI. -2008 “PRIN” grant from the Italian Ministry of Research. End date: 2011. Role: Participant. -2009 “PRIN” grant from the Italian Ministry of Research. End date: 2012. Role: Participant. -2009 “Project Seed” grant from the Italian Institute of Technologies. End date: 2013. Role: Participant.

3. MAIN COLLABORATIONS

- 1) Prof. A. J. Olson (San Diego, USA);**
- 2) Prof. H. Kessler (Munich, Germany);**
- 3) Dr. Hilda Picket (Canberra, Australia);**
- 4) Prof. Jan Karlseder (San Diego, California);**

With all these groups, I have authored collaborative papers; I have papers in preparation and ongoing research projects that involve, for example, the bilateral exchange of staff and students.