

Nicola Porta – Curriculum Vitæ et Studiorum

✉ Institutional e-mail: nicola.porta@studenti.unipd.it | Personal e-mail: nicola.porta@hotmail.it

💬 Skype user **pnicola89** | 📞 (+39) 333 983 7535 | 📅 Date of birth 24 June 1989 | 🇮🇹 Nationality Italian

📍 Via Divisione Tridentina 3, 36050 Bolzano Vicentino (VI), Italy

🌐 Web site: mms.dsfarm.unipd.it/nicola-porta.html

Education and Training

- 1st Jan 2014 – Now

Ph.D. Student – Graduate School in Molecular Sciences
University of Padova, Department of Pharmaceutical and Pharmacological Sciences,
Molecular Modeling Section (MMS).

Project title: *Towards an analytical – computational integrated approach in ecotoxicological research .*

Expected graduation date 31st Dic 2017.
Supervisor: Prof. Stefano Moro.

- 15th Sep 2008 – 7th Oct 2013

Master's Degree in Pharmaceutical Chemistry and Technology, (Chimica e Tecnologia Farmaceutiche, CTF) – University of Padova.

Final mark: 105/110.

Main courses: Organic Chemistry, Pharmaceutical and Toxicological Chemistry, Pharmaceutical Technology, Pharmacology and Pharmacotherapy, Bioinformatics, Advanced Metodologies in Medicinal Chemistry, Bioavailability and Targeting of Drugs.

Main laboratories: Medicinal Analysis/ Analytical Chemistry, Galenic Formulation, Pharmaceutical Technology, Extraction and Synthetic Preparation of Drugs, Bioavailability and Targeting of Drugs.

- 6th Feb 2013 – 7th Oct 2013

Master's Thesis Project – *University of Padova*
Department of Pharmaceutical and Pharmacological Sciences, MMS.

Supervisor: Prof. Stefano Moro.

Project title: *Furan-triazole-triazine derivatives as new Adenosine Receptors antagonists: a computational study.*

Abstract: The project was based on a molecular modeling application of Adenosine Receptors (ARs, hA_{2A} and hA₃ subtypes) and a newly synthesized series of ligands as ARs antagonists (furan-triazole-triazinic derivatives). In order to predict a reliable 3D structure for each ligand-receptor complex we perform a Molecular Docking investigation. Structural data are indeed essential for binding modes analysis and for the evaluation of stabilizing interactions occurring in the binding pocket region. The information obtained is useful for Structure Activity Relationships rationalization and to make hypotesis for new ligands structures with improved interactive ability, and almost in theory enhanced activity.

- May – Oct 2012 and Dec 2012 – Jan 2013

Training as Pharmacist

Farmacia Dr. Dal Zotto Maria Luisa, via Ponte 4, 36050
Bolzano Vicentino (VI) – Italy.

Supervisors: Pharm. D. Maria Luisa Dal Zotto, Prof. Alessandra Semenzato.

- Sep 2003 – Jul 2008

High School Diploma – Science education
Istituto Tecnico Biologico "IISS S. Boscardin", Vicenza – Italy.

Final mark: 92/100.

Personal skills

- Language Skills

Italian: Mother tongue.
Written and Spoken English: Fluent.
Written and Spoken French: Good.

- Scientific Software

Text editing and Data Processing: Microsoft Office Package, Open Office Package, Libre Office Package, GNUplot.

I am familiar with Windows and Linux-UNIX (Ubuntu distribution) OS.

Good command of some basic computational molecular software: Molecular Operating Environment; PyMol; UCSF-Chimera; YASARA; GOLD Suite; Scripting language: Python.

- Other

Self motivated; Team spirit; Flexibility, I am available to relocate in other countries at once.
Good ability to adapt to multicultural environments.

Conferences, Events Participation and Workshops Attended

- Verona, *Aptuit Center for Drug Discovery & Development*, Italy March 4th-6th 2014.
Computationally Driven Drug Discovery Meeting (CDDD) – *Molecular Docking investigation of newly synthesized adenosine receptors antagonists with a ZM 241385-like bicyclic core*. Poster session.

Publications

- Lucia Squarcialupi, Vittoria Colotta, Daniela Catarzi, Flavia Varano, Katia Varani, Fabrizio Vincenzi, Pier Andrea Borea, Antonella Ciancetta, **Nicola Porta** and Stefano Moro. *Structural investigations on 5-substituted 2-phenylpyrazolo[4,3-d]pyrimidin-7-amino derivatives to target A₁ and A_{2A} adenosine receptors: molecular modeling and pharmacological studies (2014)* – Manuscript in preparation.
- Stephanie Federico, Karl Norbert Klotz, Antonella Ciancetta, **Nicola Porta**, Stefano Moro and Giampiero Spalluto. *Design, Synthesis and Biological Evaluation of New 5,8-Disubstituted 1,2,4-Triazolo[1,5-c]Pyrimidines As Adenosine Receptors Antagonists: A preliminary SAR Profile (2014)* – Manuscript in preparation.
- Stephanie Federico, Karl Norbert Klotz, Antonella Ciancetta, **Nicola Porta**, Stefano Moro and Giampiero Spalluto. *Synthesis, Pharmacological characterization and molecular modelling insights of a new series of 1,2,4-Triazolo[2,3-a]-1,3,5-Triazine derivatives as Adenosine Receptors Antagonists (2014)* – Manuscript in preparation.

Reference

Prof. Stefano Moro,

Full Professor of Medicinal Chemistry, MMS

Department of Pharmaceutical and Pharmacological Sciences, University of Padova

Via Marzolo, 5 35131 Padova - ITALY

Phone: +39 049 8275704 Fax: +39 049 8275366

e-mail: stefano.moro@unipd.it

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