

Serena Della Volpe

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Sex Female | Date of birth 17/06/1989

CURRENT POSITION

PhD student in Chemical and Pharmaceutical Sciences

Department of Drug Sciences, University of Pavia, Viale Taramelli, 12 27100 Pavia (PV) Italy

DEGREE

2nd Level Vocational Master in Drug Design and Development

PAST WORK EXPERIENCE

From July 2015 to November 2015

Internship – Project Manager

EDRA S.p.A., Via Spadolini, 7, 20141 Milano (MI) Italy

Editorial activities to support Advisory Boards realized in collaboration with stakeholders in the Pharmaceutical sector: Contractual management of Advisory Board participants; Supervision of organizational aspects for the meeting; Participation to the Advisory Board, editing/revising of the meeting report and the scientific contents related to the meeting.

Business or sector Scientific publishing

From October 2010 to July 2011

Impact / shop assistant

Abercrombie and Fitch, Corso Matteotti, 12, Milano (MI) Italy

Sales to the public, floor organization, inventory, stock room organization.

Business or sector Sales

From July to September 2009

Internship – Chemical Analyst

E-Pharma Trento S.p.A. - via Provina, 2, 38123 Ravina di Trento (TN) Italy

QC, batch release, analysis on raw materials, HPLC, FT-IR on packaging.

Business or sector Pharmaceutical Industry

EDUCATION AND TRAINING

November 2016 to present (expected graduation 2020)

PhD Fellowship in Chemical and Pharmaceutical Sciences

Department of Drug Sciences, University of Pavia, Via Taramelli, 12 27100 Pavia (PV) Italy

Research Project: *“Versatile use of advanced NMR techniques and Microwave-assisted procedures for the identification of compounds able to interfere with ELAV proteins/mRNA complexes”*

Tutor: Assoc. Prof. Simona Collina; co-tutor: Researcher Francesca Vasile, PhD.

From July 18th to July 22nd 2016

Drug Design Euro 2016 – eCheminfo, Training and Innovation Course in Drug Design

DISFARM, Milano (MI) Italy

Virtual Screening, Ligand-based and Structure-based Drug Design, Bio- and Cheminformatics, Molecular Dynamics Simulation, Drug Delivery Modelling, Systems Biology and Biotech Drug Design.

From February 2016 to February 2017 (Graduation date February 20th 2017)

2nd Level Master in Drug Design and Development (Progettazione e Sviluppo dei Farmaci)

University of Pavia, Via Adolfo Ferrata, 3, 27100 Pavia (PV) Italy.

Thesis: *"The use of microwaves in Drug Discovery"* prepared during the curricular internship in the Laboratory of Medicinal Chemistry, Department of Drug Sciences, University of Pavia, Viale Taramelli, 12 27100 Pavia (PV) Italy.

Supervisor: Assoc. Prof. Simona Collina.

July 2015

License to practice Pharmacy

University of Milan, (MI) Italy

MIUR, Ministero dell'Istruzione, dell'Università e della Ricerca

From June 28th to July 3rd 2015

XXXV Advanced Course of Medicinal Chemistry and "E. Duranti" National Seminar for PhD Students.

ESMEC European School of Medicinal Chemistry, EFMC, SCI. Urbino (PU) Italy.

New avenues in pain therapeutics; Novel Methods to investigate GPCRs-ligand interactions; Photochemistry as an innovative synthetic tool; Hot Topics

From July 2013 to January 2014

Curricular internship/Training

Farmacia S. Stefano di Candioli Roberto, Via Malfatti, 6, 38065 Mori (TN) Italy

From January 2013 to July 2013

Research activity; Erasmus Project: Department of Drug design and Pharmacology, University of Copenhagen, Universitetsparken 2, 2100 Copenhagen Ø, Denmark

Research Project: *"Design and synthesis of nAChR ligands, for exploring the orthosteric binding site and associated cavities"*

Design, research on literature, organic synthesis, purification via DCVC, HPLC. NMR, HPLC, LC-MS.

Supervisors: Assoc. Prof. Bente Frølund, PhD; Tinna Brobech Bach, PhD.

From a.y. 2007-2008 to a.y. 2013-2014

(Graduation date: February 4th 2015)

Laurea magistrale a ciclo unico in Chimica e tecnologia farmaceutiche,

University of Milan, Via Festa del Perdono, 7, 20122 Milan, MI, Italy

Research activity at DISFARM - Via L. Mangiagalli, 25 - 20133 Milan – *"Synthesis of antagonists for the kainate receptor"*

Experimental thesis: *"SYNTHESIS OF nAChR LIGANDS, FOR EXPLORING THE ORTHOSTERIC BINDING SITE AND ASSOCIATED CAVITIES"*

Supervisors: Assoc. Prof. Paola Conti, PhD; Assoc. Researcher Andrea Pinto, PhD

From a.y. 2002-2003 to a.y. 2006-2007

Diploma di Liceo Scientifico

Liceo Scientifico G. Galilei, Via Bolognini, 88, 38122, Trento, TN, Italy

- Liceo scientifico indirizzo PNI

PUBLICATIONS

- S Collina, S Della Volpe. Microwaves in drug discovery. In: Microwave Chemistry, Microwaves changed the way to work in chemical laboratories. Berlin, Germany, De Gruyter. **In press**
- D Rossi, K Mahmood Ahmed, R Gaggeri, S Della Volpe, L Maggi, G Mazzeo, G Longhi, S Abbate, F Corana, E Martino, R Varandas, M do Céu Sousa, M Machado, S Collina. (R)-(-)-Aloesaponol III Methyl Ether from *Eremurus persicus*: A Novel Compound against Leishmaniosis. *Molecules*. **Just Accepted**
- E Martino, S Della Volpe, E Terribile, E Benetti, M Sakaj, A Centamore, A, S Collina. The long story of Camptothecin: From traditional medicine to drugs. *Biorg MedChem Lett*. **2017**, 27, 701-707.
- T B Bach, A A Jensen, J G Petersen, T E Sørensen, S Della Volpe, J Liu, A R Blaazer, J E van Muijlwijk-Koezen, T Balle and B Frølund. Exploration of the molecular architecture of the orthosteric binding site in the $\alpha 4\beta 2$ nicotinic acetylcholine receptor with analogs of 3-(dimethylamino)butyl dimethylcarbamate (DMABC) and 1-(pyridin-3-yl)-1,4-diazepane. *Eur J MedChem*. **2015**, 102, 425–444.

PERSONAL SKILLS

Mother Tongue Italian

Other Languages

English IELTS 8.25 CEFR C1

German – School level

Computer skills Good command of Office.

Operational knowledge of Mac OSX and Windows.

Operational knowledge of ChemDraw, Chimera, RasMol, ACD Spectrus processor.

ADDITIONAL INFORMATIONS

Driving license B