

CURRICULUM VITAE

Giuseppe Felice Mangiatordi

PERSONAL DATA

Date of birth: 19th July 1983
Nationality: Italian
Gender: Male
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EDUCATION AND QUALIFICATIONS

→ **July 2011: Jacobs University Bremen (Germany)**

Summer school in “Computer Simulations on Nanotechnology for the Environment”

→ **July 2010: University of Porto, Faculty of science (FCUP).**

Intensive Course of the European Master in Theoretical Chemistry and Computational Modeling (TCCM).

→ **From January 2010: Ecole Nationale Supérieure de Chimie de Paris, « *Laboratoire d'Electrochimie, Chimie des Interfaces et Modélisation pour l'Energie* ».**

PhD student in theoretical chemistry

Project of thesis: “Modeling of proton transfer in fuel cells”

Director of thesis: Prof. Carlo Adamo

→ **September 2002 – November 2008: Università degli studi di Bari**

2nd level *Laurea* degree in Chemistry and Pharmaceutical Technology obtained in November 2008.

Grade: 110/110 summa cum laude.

Final project in Pharmaceutical Chemistry: “*Automatic derivation of QSAR models: development of multi-objective optimization*”.

Supervisors: Prof. A. Carotti and Dr. O. Nicolotti.

→ **September 1997 – July 2002: Liceo Scientifico “O.Tedone” Ruvo di Puglia (BA)**

High School Education: grade 100/100.

WORK EXPERIENCE

→ **June 2009- December 2009: Università di Modena e Reggio Emilia**

Research fellowship: “*Computational approaches for the discovery of multi-target inhibitors for cancer therapy*”.

Supervisors: Prof. Giulio Rastelli and Dr. Alberto Del Rio

LANGUAGE SKILLS

→ **Italian:** Mother tongue

→ **English:** Good, both oral and written

→ **French:** Good, both oral and written

TECHNICAL SKILLS

GRID analysis, GRID/GOLPE analysis, docking, COMFA analysis, virtual screening, cluster analysis, PCA and CPCA analysis.

Experience in rational drug design and in particular in ligand-based and structure-based drug design.

Experience in modelling proton transfer using DFT (Density functional theory) and classical MD (Molecular Dynamic).

COMPUTER SKILLS

Good use of Gaussian 09, Gaussian 03 and AMBER 11 packages.

Good use of several applications of computational chemistry (Ligand Scout, Discovery Studio, Sybyl, Pymol, Gold, Grid and Corina) and of biostatistic (Golpe, Minitab and Statistica).

PUBBLICATIONS

A. Del Rio, A. J. Barbosa, F. Caporuscio, **G. F. Mangiatordi**, “CoCoCo: a free suite of multiconformational chemical databases for high-throughput virtual screening purposes”, *Mol. BioSyst.*, **2010**, 6, 2122-2128 (<http://cococo.unimore.it/tiki-index.php>)

G. F. Mangiatordi, J. Hermet, C. Adamo, “Modeling Proton Transfer in Imidazole-like Dimers: A Density Functional Theory Study”, *J. Phys. Chem. A*, **2011**, 115, 2627-2634.

POSTER COMMUNICATION

Ilenia Giangreco, Orazio Nicolotti, Teresa Fabiola Miscioscia, Marino Convertino, **Giuseppe Felice Mangiatordi**, Lydia Siragusa, Marco Catto, Francesco Leonetti, Angela Stefananchi and Angelo Carotti, “**Multiobjective optimization algorithms for molecular discovery**”, *Nuove prospettive in Chimica Farmaceutica*, III° meeting-workshop, sessione “Metodologie computazionali nel Drug Discovery”, 13-14 Febbraio 2009, il ciocco, Castelveccchio Pascoli (LU) (www.npcf3.farm.unipi.it).