CURRICULUM VITAE di Orazio Nicolotti

Orazio Nicolotti studied at the Università di Bari Aldo Moro where he received his degree (110/110 cum laude) in Chimica e Tecnologia Farmaceutiche in 1997 and his PhD in Chimica del Farmaco (XIII course) in 2000.

On January 2001, he was awarded with a post-doc fellowship funded by the pharmaceutical company GlaxoSmithKline to run a 2-year project entitled Evolutionary computation methods for drug discovery supervised by Dr Gillet (Department of Information Studies, University of Sheffield), Prof. Fleming (Department of Automatic Control and Systems Engineering, University of Sheffield) and Dr Green (GlaxoSmithKline Medicines Research Centre, Stevenage). This project resulted a scientific publication demonstrating the first application of both genetic programming and multi-objective algorithms in the field of drug discovery.

Appointed as Research Associate of Medicinal Chemistry at the Università di Bari Aldo Moro, 15/10/2002.

Since then, supervisor of a computational chemistry laboratory in the Dipartimento di Farmacia-Scienze del Farmaco, Università di Bari Aldo Moro.

Appointed as Associate Professor of Medicinal Chemistry at the Università di Bari Aldo Moro, 01/08/2016.

National scientific qualification as Full Professor of Medicinal Chemistry, 31/03/2017.

Scientific supervisor of the following post-doc fellows: Dr Giuseppe Felice Mangiatordi (from 16/04/2013 to 01/12/2017) and Dr Domenico Alberga (from 16/03/2017 to 16/03/2019).

Scientific supervisor of the following Ph.D students: Dr Andrea Gissi (XXVI course), Dr Domenico Gadaleta (XXVIII course) and Dr Daniela Trisciuzzi (XXXI course).

His researches are basically oriented to molecular and data modeling. Major topics are in the field of drug design; QSAR; predictive toxicology; combinatorial library design; molecular diversity analysis; application of evolutionary algorithms and development of home-software; bioinformatics; de novo design; docking and molecular dynamics.

So far, author of 96 (18 as first author and 24 as corresponding author) international peer-reviewed research papers, 7 book chapters, 1 international patent. Editor of the book entitled Computational Toxicology within the series Methods in Molecular Biology published by Humana Press, copyright holder Springer Science+Business Media, LLC, part of Springer Nature, (2018) 439 pages, 27 Chapters, ISBN: 978-1-4939-7898-4, DOI: 10.1007/978-1-4939-7899-1. Speaker at 11 international meetings (1 plenary and 1 keynote lecture upon invitation). Authors of 10 international seminars for pharmaceutical companies and universities.

Since 2003, component member of the Doctorate School of Scienze Farmaceutiche (courses from XXI to XXVIII), Università di Bari Aldo Moro.

Since 2013, proposing member of the Doctorate School of Scienze Biomolecolari Farmaceutiche e Mediche (courses from XXIX to date), Università di Bari Aldo Moro.

VQR scores (2004-2010): Excellent; Excellent; Excellent.
VQR scores (2011-2014): Excellent; Excellent.

Principal investigator of the following public/private funded research projects:

- Recipient of a grant for scientific research funded with €1.500,00 by the cosmetic company Coty Inc. at the Dipartimento di Farmacia-Scienze del Farmaco, Università di Bari Aldo Moro (approved by Consiglio del Dipartimento di Farmacia – Scienze del Farmaco, 06/03/2018);
- Scientific supervisor of the industrial agreement with the pharmaceutical company Colosseum Combinatorial Chemistry for Technology C4T S.r.l. funding with €23.656,79 the one-year renewal of a post-doc fellowship at the Dipartimento di Farmacia-Scienze del Farmaco, Università di Bari Aldo Moro (Decreto Rettorale N. 627, 20/02/2018);
- Winner of the Finanziamento delle Attività Base di Ricerca (FFABR) 2017 funded with €3.000,00 (ANVUR n. 20/2017, 15/06/2017);
- Recipient of a grant for scientific research funded with €1.987,00 (ex-60%, Università di Bari Aldo Moro, prot. N. 44242 – VIII/2, 20/06/2016);
- Recipient of a grant for scientific research funded with €5.000,00 by the pharmaceutical company Colosseum Combinatorial Chemistry for Technology C4T S.r.l. (approved by Consiglio del Dipartimento di Farmacia – Scienze del Farmaco, 28/04/2016);
- Winner as local principal investigator of FIRB FUTURO IN RICERCA 2012 funded with €240.397,00 (project code RBFR12SJA8_003, 21/03/2013);
- Winner as scientific coordinator of Progetto IDEA Giovani Ricercatori 2012 funded with €20.000,00 (project code GRBA11EB3G);
- Winner as scientific coordinator of Progetto IDEA Giovani Ricercatori 2008 funded with €13.000,00 (project code GRBA08TP38).

Teaching duties:

- Pharmaceutical and toxicological chemistry I (14 CFU) for the degree course of Pharmacy at the Dipartimento di Biologia, Università di Roma Tor Vergata (2018-2019);
- Chimica analitica (8 CFU) for the degree course of Farmacia at the Dipartimento di Farmacia-Scienze del Farmaco, Università di Bari Aldo Moro (2017-2018);
- Pharmaceutical and toxicological chemistry I (Module I - 7 CFU) for the degree course of Pharmacy at the Dipartimento di Biologia, Università di Roma Tor Vergata (2017-2018);
- Chimica analitica con esercitazioni numeriche e di laboratorio (10 CFU) for the degree course of Farmacia at the Dipartimento di Farmacia-Scienze del Farmaco, Università di Bari Aldo Moro (from 2009-2010 to 2016-2017);

- Analisi di principi attivi di natura erboristica e laboratorio di estrattiva (11 CFU) for the degree course of Tecniche Erboristiche at the Dipartimento di Farmacia-Scienze del Farmaco, Università di Bari Aldo Moro (from 2007-2008 to 2008-2009).