

Curriculum Vitae- Francesca Guida

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Position: Fixed-term researcher L.240 / 10 type A, sector BIO / 14 - Pharmacology, at the Department of Experimental Medicine University of Campania Luigi Vanvitelli, Naples (from November 2016)

European Doctorate in Pharmacology at the Department of Experimental Medicine University of Campania Luigi Vanvitelli, Naples (2009).

Degree in chemistry and pharmaceutical technologies at the Faculty of Pharmacy of the Federico II University of Naples (2005).

-Qualification as second-level professor for the competition sector 05/G1 Pharmacology, clinical pharmacology and pharmacognosy (2018).

Author of 71 publications on international scientific journals

TRAINING AND PROFESSIONAL EXPERIENCES

Research grant for the project "Role of human mesenchymal cells in bio-molecular, immune and morpho-functional modifications in a mouse model of neuropathic pain" at the Pharmacology section of the Department of Experimental Medicine of the University of Campania "L. Vanvitelli ", Naples (Tutor Prof. Sabatino Maione).

Postdoctoral course of 2 years in Pharmacology at the Pharmacology section of the Department of Experimental Medicine of the University of Campania "L. Vanvitelli ", Naples (Tutor Prof. Sabatino Maione).

Research assignment at Queen Mary University, London, UK (TUTOR Prof. Fulvio D'Acquisto).

Research assignment at the Wolfson Card, King's College, London UK (TUTOR Prof. ssa Marzia Malcangio).

Research assignment at the School of Pharmacy of London, UK (TUTOR Dr. Andrew Constanti)

Responsible for the scientific (experimental) part of the DEMAPHARM - NAGAL project - Global development of a new analgesic, winner of the 4th prize at the Campania Start Cup 2010 edition.

Responsible for the scientific (experimental) part of the NANOPHARM project, winner of the 3rd prize at the Start Cup Campania 2011 edition.

Participation in conferences as a speaker

Oral communication to the EPS 2010 "Translating pain science into pain medicine", Siena (INTERNATIONAL) 2010; Speaker at the SIF Monothematic Conference "I Cannabinoids: from Biology to the Clinic", Cagliari. 2011; Speaker at the SIF Monothematic Conference "THE PHARMACOLOGICAL RESEARCH ON PAIN: FROM BEHAVIORAL MODELS TO THE EPIGENETICS", Bologna. 2012; Speaker at the XV National Congress of Italian Society for Neuroscience (SINS), Rome. 2013; Speaker at the 36th National Congress of the Italian Society of Pharmacology, Turin 2013; Speaker at the single-subject conference SIF "Drug repurposing and beyond: the fundamental role of pharmacology" 2014, Speaker at the SIF monothematic conference "Pharmacognosy: New therapeutic opportunities from the plant world", Naples 2014, Organizer of the SIF monothematic conference "Advances in pain research: pathophysiology and new therapeutic strategies ", Naples 2015; Speaker at the SIF Monothematic Conference " Advances in pain research: pathophysiology and new therapeutic strategies ", 2015, Speaker at the 37th National Congress of the Italian Society of

Pharmacology, Naples 2015; "Alpha Omega Prevention" Naples, Symposium titled "Bacteriotherapy and intestinal inflammation" 2016, Speaker at the Conference MORE THAN NEURONS: towards a neuronocentric view of brain disorders, Turin, (INTERNATIONAL) 2016, Speaker at the 5th meeting of the Neapolitan Brain Group "NEUROSCIENCES IN THE NAPOLITAN AREA", Naples 2016; Speaker ON INVITATION at the Conference P CS International Conference of Neuroscience, Lisbon (INTERNATIONAL) 2017; Speaker at the conference - 5th World Congress on Targeting Microbiota (INTERNATIONAL) 2017; Organizing Committee and Speaker ON INVITATION to the INTERNATIONAL CONFERENCE ON CELL SCIENCE & MOLECULAR BIOLOGY, Paris (INTERNATIONAL) 2017; Seminar ON INVITATION at the Institute of Pharmacology Polish Academy of Sciences, Krakow, Poland (INTERNATIONAL) from 18-01-2018 to 20-01-2018. Speaker at the International Conference on Microbiology and Infectious Diseases, with a report entitled "Antibiotic-induced microbiota perturbation causes gut endocannabinoidome changes, hippocampal neuroglial reorganization and depression in mice" Rome, 2018; Speaker at Novel Pain Therapeutics: From Basic Research to Clinical Translation and Rehabilitation, University of Calabria, 2019; Speaker at "New horizons in pain treatment", Naples 2019.

Other activities

- Referee activity for several magazines impacted in the Neuroscience and Pharmacology sector (Pharmacological Research, Frontiers, Journal of Pharmacy and Pharmacology, Current Medicinal Chemistry, Biomedicine & Pharmacotherapy, British Journal of Pharmacology).

-Lead Editor of special issues.

Prizes

Winner of the 4th prize at the Start Cup Campania for the DEMAPHARM - NAGAL project - Global development of a new analgesic (2010).

Luigi Califano Onlus Foundation Research Award (2011).

Winner of the 3rd prize at the Start Cup Campania - NANOPHARM project (2011).

SIF-MSD Research Award (2014)

Farmindustria Prize for pharmacological research provided following a review of a commission composed of exponents of the Italian Society of Pharmacology and Farm Industry (2015).

Teaching activity

Pharmacology teaching (lessons, exercises, profit exams) for students of degree courses in Dentistry, Nursing sciences, Biomedical laboratory technicians, Psychiatric rehabilitation technicians, Speech therapy, Scientific medical informant, Degree course for medical technician of medical radiology and radiotherapy. Thesis supervisor.

Scientific responsibility for research projects

- Participation in the research activities of the NOP "Research and Competitiveness" 2007-2013: PON01_01226 Nutrafast Project "From nutraceutical to the drug for integrated strategies" Project coordinator: Prof. Mario De Rosa, University of Campania. - Participation in the STRAIN Project, funded by the Campania ROP ESF 2007/2013, as part of the "Development of excellence networks between Universities - Research Centers - Companies" program. 2007-2013. - Participation in the PRIN 2007 project, headed by Prof. Lucia Negri. "Evaluation of the effects of agonists and antagonists of prokineticine on the

release of Glutamate and Gaba in Periaqueductal Gray and on the activity of ON and OFF neurons of the Rostral Ventromedial Medulla" La Sapienza University of Rome. - PRIN 2009 Project Participation, Head of Prof. Sabatino Maione. "Bio-molecular, lymphocytic and morpho-functional spinal and supraspinal modifications in a mouse model of neuropathic pain: therapeutic perspectives through human mesenchymal cells and pharmacological manipulation of purinergic signalling", University of Campania "Luigi Vanvitelli". -Collaboration of research at the PRIN 2009 project (project manager Prof. Vito de Novellis) entitled "Morpho-functional and bio-molecular spinal and supraspinal evaluations in a mouse model of neuropathic pain", at the Pharmacology section of the Department of Experimental Medicine University of Studies of Campania. - PRIN 2012 project participation, Head of prof. Sabatino Maione entitled "New pharmacological targets for the treatment of chronic pain: involvement of the peripheral and central immunoinflammatory system", "Luigi Vanvitelli" University of Campania. - Scientific responsibility of the SIF-MSD research project entitled "Manipulation of Stem Cells and their microenvironment: new biotechnological strategies for drug discovery". 2015-2016.

Ownership of funds

- Principal investigator unit "Potential Role of the Microbiome-Endocannabinoidome Connection in the Gut-Brain Axis After Traumatic Brain Injury and Its Association with Alzheimer's Disease", American Department of Defence. 2020.

- Holder of the awarding fund for the fixed-term researchers type A in the VALERE project, University of Campania, Naples.

-Character of the Funding of basic research activities (Competitive Competition-MIUR) 2017.

-Technical funding of the project "Propriétés pharmacologiques du cannabidiol dans la douleur neuropathique et symptômes anxieux-dépressifs associés: études préclinique et clinique" in collaboration with McGill University, Montréal (Québec) on the basis of the competitive bid issued by the Government of Québec 2017.

Naples, 20.01.21

Francesca Guida