

CURRICULUM VITAE: LAURA CALDERAN

Personal data

born on 03-03-1972 in San Donà di Piave, Venezia, (CLDLRA72C43H823I)
mother of two children, born in 2010 and 2012 (Maternity leave (Decreto legislativo 26.3.2001 n. 151): September 2010- July 2011 and November 2012 – April 2013)

Educational and professional data

Senior High School for scientific studies "Galileo Galilei" in San Donà di Piave, Venice
Degree in Pharmaceutical Chemistry and Technology University of Padua, ITALY with a Fellow of Unity of Neuropharmacology, Glaxo-Wellcome Research Centre, Verona, ITALY. Title of degree thesis: "Effects of raclopride, dopaminergic antagonist DA2, on a rat model nicotine dependence"
PhD Degree in Congenital Metabolic Patho-Physiology, Laboratory of Experimental Magnetic Resonance Imaging, Dept of Morpho-Biomedical Sciences, Sec. of Histology and Anatomy, Faculty of Medicine, University of Verona, ITALY. Title of PhD degree thesis: "DCE-MRI and H1-MRS methods in vivo studies of microcirculation in cerebral plasticity and in vivo animal models of metabolic disorders and oncologic pathologies".
Post-doctoral Research contract focusing on "Study of nicotine effects on rat brain with MRI" in Laboratory of Experimental Magnetic Resonance Imaging, Dept of Morpho-Biomedical Sciences, Sec. of Histology and Anatomy, Faculty of Medicine, University of Verona, ITALY.
Senior Scientist Research contract in GSK Psychiatric Diseases Research Centre, Verona, ITALY
And from November 2006 Assistant professor in Human Anatomy, Faculty of Medicine, Dept. Morphological and Biomedical Sciences, Verona, Italy
Current position: Assistant professor in Human Anatomy, Dept. of Neurosciences, Biomedicine and Movement, University of Verona

Academic activity:

From 2006 to date Professor in practical section course of human anatomy I and Human Anatomy II, Degree in Medicine and Surgery, University of Verona
From 2006 to 2010 Supervisor, cadavers dissection practical course of human anatomy II (University of Szeged, Hungary), Degree in Medicine and Surgery, University of Verona
From 2007 to 2011 Professor of human anatomy in Degree in Techniques in Medical Radiology, Imaging and Radiotherapy, Degree in Biomedical Laboratory Techniques at University of Verona
From 2007 to date Professor of human anatomy in Degree in Techniques of Physiopathology and Cardiovascular Perfusion cardiovascular, Degree in Obstetrics at University of Verona
From 2011 to date Professor of human anatomy in Degree in Nursing at University of Verona
From 2007 to date Professor in PhD program of Multimodal Imaging in Biomedicine, Nanotechnology and Nanomaterials for biomedical applications At University of Verona and Member of the College Lecturers, Doctoral Course in Nanotechnology and nanomaterials for biomedical applications,
From 2013 Professor in PhD Program and Member of the College Lecturers of Doctoral Course in Nanoscience and Advanced Technologies of PhD School of Natural Sciences and Engineering at University of Verona
From 2007 to 2010 Professor at School of specialization of Degree of Medicine and Surgery in Urology, Gynecology, Obstetrics, Cardiology At University of Verona
In 2009/2010 Academic Year,
Professor in European Master's project "Sustainable Regional Health Systems" organized by Public Health Department, Hygiene Section, University of Verona, in collaboration with University of Vilnius, Deusto and Budapest

Professor at First Level Master's FSE (European Social Found) project "Computer processing of biomedical data, micro-robots and nanotechnology in medicine.", Medical Faculty, University of Verona
In 2013/2014 Academic Year, Professor and Coordinator of Hygiene, Anatomy, Physiology, Pathology Course in PAS A040 Program II degree

Scientific projects

- Joint Project 2017 "ASTAnT" prot. JPVR17M4FW, as Scientific Responsible of Project. Funded
- Joint Project 2015 "VACOOK" as Scientific Responsible of Project. Funded
- Project SIR 2014 code RBSI149ZN9 "BIOTAXI - Hybrid fullerene/protein-carriers to target cancer cells" as Scientific Responsible of Research Unit. Funded
- From 2013 Scientific Responsible of Research Unit of Bando FIRB Programme "FUTURO IN RICERCA" 2008 code: RBF08F2FS_003 "Epigenetic signatures and expression profiles of coding and non-coding RNA of mammary stem cells and breast carcinoma. Funded
- 2011 Scientific Project funded by Fondazione Cassa di Risparmio di Verona Vicenza Belluno e Ancona "Nanomedicine Initiative" as Participant Researcher to the Project. Funded
- 2009 Scientific Project funded by Fondazione Monte dei Paschi di Siena "Creating Unit Natural Food Discovery" as Participant Researcher to the Project. Funded
- 2008 Scientific Project funded by SIENA BIOTECH S.p.A "Evaluation using MRI and optical imaging of the efficacy of a experimental compound in a model of glioma" as Scientific Responsible of Research Unit. Funded
- 2008 Scientific Project funded by Veneto Nanotech ScpA "In vitro and in vivo study of nanoparticles impact on the biological characteristics of cells and tissues" as Participant Researcher to the Project. Funded
- 2008 Scientific Project funded by Fondazione Cariverona "Synthesis and characterization of upconverter luminescent nanostructured materials for biomedical applications" as Participant Researcher to the Project. Funded
- 2006 Scientific Project funded by Fondazione Cariverona "Project for the creation of multimodal molecular imaging platform" as Participant Researcher to the Project. Funded

Research interests

Laura Calderan is a biomedical researcher with a pharmaceutical chemistry, in vivo pharmacology and multimodal imaging in biomedical research back ground. Areas of interest are oncology and neurosciences. In the last years has focused her interest around nanotechnology and nanomedicine with a particular attention to diagnosis and pharmacological treatment, biocompatibility, bio tolerance and toxicology of nanocompounds investigated with multimodal imaging in vivo approach (optical imaging and MRI) ex vivo protocols to investigate morphological aspects of tissues involved (optical, confocal fluorescent and ultrastructural microscopy). She is coauthor of 35 publications in international peer-reviewed journals (H-index: 15), 1 patent and collaborates as a reviewer with some indexed journals.

Patent:

Dominguez Vera Jose Manuel, Galvez Rodriguez Natividad, Fernandez Lopez Belen, Valero Romero Elsa, Federico Boschi, Calderan Laura, Marzola Pasquina, Calvino Gomez Jose Juan, Hungria Hernandez Ana B, Cuesta Martos Rafael 2009. Nanoestructuras multifuncionales como agentes de diagnosis trimodal mri-oi-spect. Multifunctional nanostructured lusinga tri-modal diagnosis agents (MRI-OI-SPECT). P200931146