



UNIVERSITÀ
DEGLI STUDI
DELL'AQUILA



DISCAB
Dipartimento di Scienze
Cliniche Applicate
e Biotecnologiche

CURRICULUM VITAE

PERSONAL INFORMATION	Name and Surname: Pierangelo Cifelli Department: DISCAB Address (work): Via Vetoio City: L'Aquila postal code 67100 Nation: Italy E-mail address (work): pierangelo.cifelli@univaq.it
CURRENT POSITION	Associate Professor of Physiology
EDUCATION OTHER QUALIFICATIONS	M.D. degree, University of Roma Tor Vergata; Ph.D. in neuroscience, University of Ferrara
ACADEMIC APPOINTMENTS	April 2023-present: Associate Professor, sector BIO/09 (Physiology) April 2021-present: Member of the Board of Lecturers of the Doctoral Program in Translational Medicine and Oncology, University of Rome "Sapienza" April 2020- April 2023: Winner of Competition for Researcher on Temporary Contract Type B (RtdB) at University of Dell'Aquila, sector BIO/09 (Physiology) April 2010- April 2016: Selected member of the Scientific Committee for Neuroscience at IRCCS Ri.MED Foundation/Mediterranean Institute for Transplantation I.S.M.E.T.T. (Palermo). March 2008: PhD in Biomedical, Endocrinological and Neurophysiological Sciences, Department of Human Physiology (BIO/09), University of Ferrara. PhD thesis: "Metabotropic glutamate receptors 1 and 5 differentially regulate bulbar dopaminergic cell function." Scientific Tutor: Prof. Ottorino Belluzzi. October 2002: National Qualification to the Order of Surgeons of Rome.
CLINIC APPOINTMENTS	



<p>TEACHING EXPERIENCE</p>	<p>October 2023 to present: Lecturer for the teaching of the Physiology of the Central Nervous System of the Degree Course in Exercise Science.</p> <p>October 2022 to present: Lecturer for teaching the Physiology of the Gastrointestinal and Cardiacirculatory System of the Degree Course in Dental Hygienists</p> <p>April 2020 to present: Lecturer responsible for teaching the Physiology of the Nervous System and the Physiology of the Gastrointestinal System of the Degree Course in Medicine course at the University of L'Aquila</p> <p>April 2020 to present: Sole lecturer responsible for teaching Human Physiology of the Degree Course in Dentistry and Dental Prosthetics at The University of L'Aquila.</p> <p>September 2018-April 2020: Lecturer in charge for the teaching of Human Physiology in the degree course for Orthopedic Technicians at the University of Rome "Sapienza".</p> <p>2017-April 2020: Lecturer in charge for the teaching of Human Physiology in the Bachelor of Science in Medicine (II year) channel C course of the University of Rome "Sapienza". Resolution of the technical pedagogical committee (PTC) of June 2017.</p> <p>November 2015-April 2020: Tutor of the subject for the teaching of Human Physiology of the Degree in Medicine and Surgery (II year) of the University of Rome "Sapienza". resolution of the CAD of 21/09/2015</p> <p>January 2010-December 2012: Tutor of research activities of students and PhD students within the Laboratory of Clinical and Experimental Pharmacology at the University of Ferrara.</p>
<p>RESEARCH ACTIVITIES</p>	<p>Neurophysiologist with expertise in electrophysiology applied to animal and cellular models;</p> <ul style="list-style-type: none">-Studies of excitatory and inhibitory synaptic transmission, voltage-dependent channels in basic mechanisms of experimental epileptology;-Studies of altered muscle neurophysiology in human diseases (e.g., ALS, Myasthenia Gravis);-Studies the involvement of the dopaminergic system in animal and cellular models of neuro-psychiatric disorders. <p>The techniques mainly used are those typical of experimental neurophysiology:</p> <ul style="list-style-type: none">-Two-electrode Voltage clamp recording and analysis.-Patch clamp recording and single channel analysis-Video EEG recording and analysis-Field potentials recording and analysis on slices



	<p>These skills were acquired through national and international collaborations and work in different laboratories:</p> <ul style="list-style-type: none"> -Montreal Neurological Institute, McGill University, Canada (2003-2005); Prof. Massimo Avoli -University of Pittsburgh, Department of Neurology and Psychiatry, USA. (2008-2010); Prof. Anthony Grace -University of Ferrara, Department of Clinical and Experimental Pharmacology (2010-2013); Prof. Michele Simonato -University of Rome "Sapienza", Department of Physiology and Pharmacology "V. Esparmer" (2013-2020) Prof. Eleonora Palma -University of L'Aquila, Department of Sciences Department of Applied Clinical and Biotechnological Sciences (ongoing). Prof. Eugenio Scarnati and Prof. Aldo Giovannelli
<p>RESPONSIBILITY IN ACADEMIC ACTIVITIES</p>	<p>January 2024 to present Member of the safety committee at the DISCAB Department, University of L'Aquila.</p> <p>January 2021-January 2024: Member of the research committee at the DISCAB Department, University of L'Aquila</p>
<p>EDITORIAL BOARD, EDITORIAL ACTIVITIES, SOCIETY MEMBERSHIP</p>	<p>Ad hoc reviewer</p> <ul style="list-style-type: none"> • Frontiers of Cellular Neurosciences • Seizures. European Journal of Epilepsy • International Journal of Molecular Sciences • Guest Editor of Frontiers of Cellular Neurosciences • Neuroglia <p>Member of SIF (Italian Society of Physiology)</p>
<p>SCIENTIFIC ACHIEVEMENTS BIBLIOMETRIC INDICATORS</p>	<p>Scopus Author ID: http://orcid.org</p> <p>(Hirsch (H) Index, i10-Hirsch (H), normalized Index, total number of quotes, median number of quotes by article</p>
<p>SELECTED PUBLICATIONS</p>	<p>Immune-mediated myogenesis and acetylcholine receptor clustering promote a slow disease progression in ALS mouse models. Inflammation and Regeneration. 2023, 43(1), 25</p> <p>Intranasal Administration of KYCCSRK Peptide Rescues Brain Insulin Signaling Activation and Reduces Alzheimer's Disease-like Neuropathology in a Mouse Model for Down Syndrome. Antioxidants. 2023, 12(1), 111</p> <p>GABAergic Neurotransmission in Human Tissues Is Modulated by Cannabidiol. 2022, 12(12), 2042</p>



GABAA receptor function is enhanced by Interleukin-10 in human epileptogenic gangliogliomas and its effect is counteracted by Interleukin-1 β . *Scientific Reports*. 2022, 12(1), 17956

Effects of 3,4-diaminopyridine on myasthenia gravis: Preliminary results of an open-label study. *Frontiers in Pharmacology*. 2022, 13, 982434

Unexpected Effect of IL-1 β on the Function of GABAA Receptors in Pediatric Focal Cortical Dysplasia. *Brain Sciences*. 2022, 12(6), 807

Classical and Unexpected Effects of Ultra-Micronized PEA in Neuromuscular Function *Biomolecules*. 2022, 12(6), 758

Human iPSC Modeling of Genetic Febrile Seizure Reveals Aberrant Molecular and Physiological Features Underlying an Impaired Neuronal Activity *Biomedicines*. 2022, 10(5), 1075

Alzheimer's Disease with Epileptiform EEG Activity: Abnormal Cortical Sources of Resting State Delta Rhythms in Patients with Amnesic Mild Cognitive Impairment. *Journal of Alzheimer's Disease*. 2022, 88(3), pp. 903–931

Dissecting the molecular determinants of GABAA receptors current rundown, a hallmark of refractory human epilepsy. *Brain Sciences*, 2021, 11(4), 441.

PLACE AND DATE

L'Aquila, 28-02-2024