PERSONAL INFORMATION

Michele Papa

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https:/www.salutementaleefisica.unicampania.it/lab-neuronal-network-morphology

Enterprise	University	EPR
☐ Management Level	☒ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
☐ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

2015 Full Professor of Human Anatomy School of Medicine - Università degli Studi della Campania – Luigi Vanvitelli-
2001-20015 Associate Professor of Human Anatomy School of Medicine - Università degli Studi della Campania – Luigi Vanvitelli-
1992-2001 Ricercatore of Human Anatomy School of Medicine - Università degli Studi della Campania – Luigi Vanvitelli-

EDUCATION AND TRAINING

Honors degree in Medicine and Surgery in 1983

In 1993; 1994; 1995; 1996; 1999; 2002; 2011; 2015; 2020 visiting scientist at Dept of Neurobiology, Weizmann Institute of Science, Rehovot – Israel, Prof. Menahem Segal, , field of interest: Plasticity of dendritic spines in neuronal culture: ultrastructural and confocal laser scanning microscopy. In 1995 visiting scientist, at Neurophysiologje Inst. University di Oslo, Norway, Prof. Terje Sagvolden, field of interest: The neural substrates of attentional deficit and hyperactivity disorders in children and animal models. In 1998 visiting scientist, at Dept di Neurobiology, della University of California Davis - USA, Prof. E.J. Jones, field of interest: Study of striatal neurons by double labelling techniques.

PERSONAL SKILLS

Mother tongue(s) ITALIAN

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1/C2	C1/C2	C1/C2	C1/C2	C1/C2
French	B1/B2	B1/B2	B1/B2	B1/B2	B1/B2

Technology Transfer skills

PAPA M (2007). Uso del ngf per la preparazione di medicamenti per la cura della gliosi reattiva. RM2007A000119

Main scientific awards and assignments

2023: Director of the MUSA - MUSA - MUSEO UNIVERSITARIO DELLE SCIENZE E DELLE ARTI
2021: EFEM Lecture / Keynote lecture of the 115th Annual Meeting of the European Federation for Experimental Morphology
2021: Chairman of the scientific board Fondazione Parkinson Avellino https://www.parkinsonavellino.it/

2020: Appointment as a technical-scientific expert for the evaluation and monitoring activities "in itinere" Industrial Research and Experimental Development projects "Health" Specialization Area D.D. of 29 November 2019 n. 2396
2019: Member of the examining committee for the selection of the Director of the Institute of Bioimaging and Molecular Physiology (IBFM) Segrate (MI) 2019: International Referee for a permanent position at the Weizmann Institute of Science - Israel
2019: National Scientific Evaluation Committee 2018-2020 05 / H2 HISTOLOGY
2018: Member of the Scientific Selection Committee for the "Program for young researchers Rita Levi Montalcini" "scholars of high scientific qualification in the world" February 2018
2013: Invited Discussant at the Embassy of Italy, Washington DC, Closing event Year of Italian Culture in the USA Symposium: in memory of Rita Levi-Montalcini - Foresight in medicine: research induced society changes in the next decade".
2012: Member of the Scientific Committee of the Higher Institute of Health representing the Minister of University and Research.
2010: Invited Speaker of the 14th International Biotechnology Symposium: “Targeting reactive astrogliosis by novel biotechnological strategies”
2009: 05/02 Invited report by the Justice Commission Italian Senate of the Republic, Palazzo Madama Rome "Neuroimaging techniques in the analysis of consciousness disorders"

Award research assignments (fellowship) official at universities and research institutions, foreign and international, highly qualified

Weizmann Institute of Science - Rehovot - Israel 03/1993 10/1993
Weizmann Institute of Science - Rehovot - Israel 06/1994 10/1994
Weizmann Institute of Science - Rehovot - Israel 06/1995 10/1995
Weizmann Institute of Science - Rehovot - Israel 06/1996 10/1996cs

ADDITIONAL INFORMATION

Projects

Mnesys-Piano Nazionale di Ripresa e Resilienza, 2022 – NextGenerationEU
HORIZON-EIC-2022-PATHFINDEROPEN-01 : THOR
FOE 2020 JRU ISBE-IT
FOE 2019 JRU ISBE-IT
PRIN 2017: The interaction between human gastric cancer and its microenvironment: A systems evaluation to identify potential regulators of metastatic dissemination Durata 36 mesi Partecipante Unità
PRIN 2015: Perception, Performativity and Cognitive Sciences Durata 24 mesi
2012 Unità Sysbionet Project – CNR Bioimmagini – Segrate Durata 24 mesi Responsabile Unità
PRIN 2007: Sviluppo del nerve growth factor (NGF) come farmaco per il trattamento di patologie oculari e del sistema nervoso centrale Durata 24 mesi Responsabile Unità
2005 FIRB Internazionalizzazione : SVILUPPO E ANALISI DI TECNICHE DI IMAGING IN RMNf PER LO STUDIO DEL COMA. Durata 48 mesi Coordinatore Progetto
2005 Ricerca Regione Campania L.R. N.5 del 28.03.2002 Durata 12 mesi Coordinatore Progetto
PRIN 2004: Mediatori gliali della infiammazione nel dolore neuropatico sperimentale e prospettive terapeutiche Durata 24 mesi Responsabile Unità
2003 Consiglio Nazionale delle Ricerche Settore Tematico "Neurobiotecnologie" Durata 24 mesi Responsabile Unità
PRIN 2002: Studio anatomo-funzionale e metabolico in vivo e morfo-molecolare ex vivo in due malattie neurodegenerative: la sclerosi laterale amiotrofica e l'atassia spinocerebellare tipo 1. Durata 24 mesi Responsabile Unità
2001 Programmi Speciali Ministero della Sanità Durata 24 mesi Responsabile Unità
PRIN 2000: Meccanismi cellulari e molecolari in un modello sperimentale di corea di Huntington. Durata 24 mesi Responsabile Unità
PRIN 1998: Modulazione Dei Segnali Inter- Ed Intracellulari Nella Neurotossicita'. Durata 24 mesi Responsabile Unità
1997 Contributo di Ricerca CNR : Comitato Nazionale Biotecnologie e Biologia Durata 12 mesi Coordinatore
1996 Contributo di Ricerca CNR: Comitato Nazionale Biotecnologie e Biologia Molecolare. Durata 24 mesi Coordinatore Progetto.

Conferences

2022 XXXII CONVEGNO GISN

2022 L'alba dei Lumi nella Scienza Medica
2012 Associazione Italiana per lo studio della Coscienza e delle sue Alterazioni, L'ANALISI SCIENTIFICA DELLA COSCIENZA E DELLE SUE ALTERAZIONI :Temi e Problemi
2010 "3rd International Conference on Coma and Consciousness"
2006 "The Brain and Beyond"
2005 Wiring Brain: Analisi Morfofunzionale dei circuiti cerebrali 2003 Imaging neurones: current tools in neuroscience
2002 Transgenic animal models to study neurodegenerative disorders

Publication Track record

SCOPUS
Documents 97
Citations 3882
h-index: 39

Publications

1: Papa M, Bundman MC, Greenberger V, Segal M. Morphological analysis of dendritic spine development in primary cultures of hippocampal neurons. J Neurosci. 1995 Jan;15, 1-11
2: Papa M, Canitano A, Boscia F, Castaldo P, Sellitti S, Porzig H, Taglialatela M, Annunziato L. Differential expression of the Na+-Ca2+ exchanger transcripts and proteins in rat brain regions. J Comp Neurol. 2003 Jun 16;461(1):31-48
3: Manzini S, Vargiolu A, Stehle IM, Bacci ML, Cerrito MG, Giovannoni R, Zannoni A, Bianco MR, Forni M, Donini P, Papa M, Lipps HJ, Lavitrano M. Genetically modified pigs produced with a nonviral episomal vector. Proc Natl Acad Sci U S A. 2006 Nov; 103,17672-7.
4: Cavaliere C, Cirillo G, Rosaria Bianco M, Rossi F, De Novellis V, Maione S, Papa M. Gliosis alters expression and uptake of spinal glial amino acid transporters in a mouse neuropathic pain model. Neuron Glia Biol. 2007 May;3(2):141-53
5: Colangelo AM, Bianco MR, Vitagliano L, Cavaliere C, Cirillo G, De Gioia L, Diana D, Colombo D, Redaelli C, Zaccaro L, Morelli G, Papa M, Sarmientos P, Alberghina L, Martegani E. A new nerve growth factor-mimetic peptide active on neuropathic pain in rats. J Neurosci. 2008 Mar 12;28(11):2698-709.
6: Cirillo G, Cavaliere C, Bianco MR, De Simone A, Colangelo AM, Sellitti S, Alberghina L, Papa M. Intrathecal NGF administration reduces reactive astrocytosis and changes neurotrophin receptors expression pattern in a rat model of neuropathic pain. Cell Mol Neurobiol. 2010 Jan;30(1):51-62.
7: Cirillo G, Bianco MR, Colangelo AM, Cavaliere C, Daniele de L, Zaccaro L, Alberghina L, Papa M. Reactive astrocytosis-induced perturbation of synaptic homeostasis is restored by nerve growth factor. Neurobiol Dis. 2011 Mar;41(3):630-9.
8: Soddu A, Vanhaudenhuyse A, Bahri MA, Bruno MA, Boly M, Demertzi A, Tshibanda JF, Phillips C, Stanziano M, Ovadia-Caro S, Nir Y, Maquet P, Papa M, Malach R, Laureys S, Noirhomme Q. Identifying the default-mode component in spatial IC analyses of patients with disorders of consciousness. Hum Brain Mapp. 2012 Apr;33(4):778-96
9: Colangelo AM, Cirillo G, Lavitrano ML, Alberghina L, Papa M. Targeting reactive astrogliosis by novel biotechnological strategies. Biotechnol Adv. 2012 Jan-Feb;30(1):261-71.
10: De Luca C, Savarese L, Colangelo AM, Bianco MR, Cirillo G, Alberghina L, Papa M. Astrocytes and Microglia-Mediated Immune Response in Maladaptive Plasticity is Differently Modulated by NGF in the Ventral Horn of the Spinal Cord Following Peripheral Nerve Injury. Cell Mol Neurobiol. 2016 Jan;36(1):37-46
11: Calderone A, Formenti M, Aprea F, Papa M, Alberghina L, Colangelo AM, Bertolazzi P. Comparing Alzheimer's and Parkinson's diseases networks using graph communities structure. BMC Syst Biol. 2016 Mar 2;10:25
12: N Kolodkin A, Sharma RP, Colangelo AM, Ignatenko A, Martorana F, Jennen D, Bried √© JJ, Brady N, Barberis M, Mondeel TDGA, Papa M, Kumar V, Peters B, Skupin A, Alberghina L, Balling R, Westerhoff HV. ROS networks: designs, aging, Parkinson's disease and precision therapies. NPJ Syst Biol Appl. 2020 Oct 26;6(1):34.

Collaborations

Department of Neurology and Neurosurgery, Sackler Faculty of Medicine, Sagol School of Neuroscience, Tel Aviv University, Israel
Synthetic Systems Biology and Nuclear Organization, Swammerdam Institute for Life Sciences, University of Amsterdam, The Netherlands
Luxembourg Centre for Systems Biomedicine, University of Luxembourg, Luxembourg.

Department of Molecular Microbiology & Immunology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, USA

Department of Neurobiology, The Weizmann Institute, Rehovot, Israel.

Brigham and Women's Hospital, Harvard Medical School, Boston, MA 02115, USA

School of Medicine and Surgery, University of Milano-Bicocca, Monza, Italy

Neuro-computing & Neuro-robotics Research Group, Complutense University of Madrid, Spain

Laboratory of Neuroscience "R. Levi-Montalcini", Department of Biotechnology and Biosciences, University of Milano-Bicocca, Milan, Italy

Innovation Research Group, Institute for Health Research San Carlos Clinical Hospital (IdISSC), Madrid, Spain

Department of Neuroanatomy, Institute of Anatomy and Cell Biology, Faculty of Medicine, University of Freiburg, Freiburg, Germany