

PERSONAL INFORMATION **CARLA GHEI ARDINI**



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 carla.gheiardini@unifi.it

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

- 2020 Member of the National Commission for Scientific Abilitation SSD BIO/ 4
- from 2020 Vice Director of the Neuropharba Department UNIFI
- from 2019 President of CeSAL
- 2017-2018 Member of SIF – Farindustria Committee
- from 2017 Secretary of the Board of the Italian Pharmacological Society and Coordinator of the PhD course in " Drug Area and Innovative Treatment "
- 2013 -2017 Rector Delegate of the University of Florence on the Board of the Toscana Life Sciences Foundation
- 2010 -2018 President of Degree Course in Pharmacy UNIFI
- 2007-2010 President of Degree Course in Scientific Information on Drugs UNIFI

other professional assignments:

Coordinator from 2016 to 2020 of the Pharmacology and Toxicology section of the NEUROFARBA department
 Collaborator for the creation of the first Italian edition of the ESCOP monograph "The scientific basis of phytotherapeutic products" (Planta Medica Editions)
 Member of the Commission of the University of Florence for the allocation of economic incentives.
 Member of Commissions of selection for the positions of associate and full professor
 Member of the Commissions of selection for the position of veterinarian at CESAL (UNIFI) and laboratory technicians
 Member of the CD of the scientific journal Pharmadvances

EDUCATION AND TRAINING

- 1985 Degree in Chemistry and Pharmaceutical Technology UNIFI (Vote 110/110 and LODE)
- 1993 PhD in Pharmacology and Toxicology UNIFI
- 1995 Degree in Pharmacy (vote110/110 and LODE) - UNIFI

AWARDS

- 1998 "Pharmacological Research" Award - Italian Society of Pharmacognosy
- 1997 "Young Investigator" Award from the European Soc. of Neuroscience
- 1996 "Leonardo Donatelli" Award from the Italian Society of Pharmacology
- 1996 Award "Linus Pauling" - International Soc. of Molecular Medicine
- 1994 "CINP Rafaelsen" Award
- 1994 Award of the European College of Neuropsychopharmacology
- 1993 Award of the British Association of Psychopharmacology
- 1992 Award of the Ass. for the Promotion of Neurological Research Sigma Tau
- 1987 UPJOHN Award - Excellence in Pharmacology - Italian Soc. of Pharmacology

ADDITIONAL INFORMATION *BIBLIOMETRIC PARAMETER:* H-index 50, number of publications: 473 citations: 10810

EDITOR ACTIVITY: Neuropharmacology, J. Molec. Sci., J. Molecules, Pharmaceutical, Plant, Frontiers in Pain research

Experimental assistance at the following companies: Guidotti laboratories, I.B.I.S., L.P.B., Manetti and Roberts, FIDIA, Solvay-Pharma, Sigma-Tau, Apharm, MDM, Rottapharm, Brane Discovery, Nikem Research, Neurotune, Aboca, Metys Pharmaceuticals, Novaremed, Gilead, Molteni, Menarini.

Mother tongue Italian
Other language English

Publications

.E. LUCARINI, V. DI PIALATO, C. PARISIO, L. MICHELI, A. TOTI, A. PACINI, G. BARTOLUCCI, S. BALDI, E. NICCOLAI, A. AMEDEI, G.M. ROSSOLINI, C. NICOLETTI, J.F. CRAYAN, S.M. O'MAHONY, C. GHELARDINI & L. DI CESARE MANNELLI: Visceral sensitivity modulation by faecal microbiota transplantation: the active role of gut bacteria in pain persistence. *Pain*, 2021 Aug 13. doi: 10.1097/j.pain.0000000000002438.

E. LUCARINI, A. NOCENTINI, A. BONARDI, N. CHIARAMONTE, C. PARISIO, L. MICHELI, A. TOTI, V. FERRARA, D. CARRINO, A. PACINI, M.N. ROMANELLI, C.T. SUPURAN, C. GHELARDINI, L. DI CESARE MANNELLI: Carbonic anhydrase IV selective inhibitors counteract the development of colitis-associated visceral pain in rats. *Cells*. 2021 Sep 26;10(10):2540. doi: 10.3390/cells10102540. PMID: 34685520

E. LUCARINI, L. SEGUILLA, M. VINCENZI, C. PARISIO, L. MICHELI, A. TOTI, C. CORPETTI, A. DEL RE, S. SQUILLACE, D. MAFTEI, R. LATTANZI, C. GHELARDINI, L. DI CESARE MANNELLI, G. ESPOSITO: Role of enteric glia as bridging element between gut inflammation and visceral pain consolidation during acute colitis in rats. *Biomedicines*. 2021 Nov 12;9(11):1671. doi: 10.3390/biomedicines9111671.

M. DURANTE, S. SQUILLACE, F. LAURO, L. A. GIANCOTTI, E. COPPI, F. CERCHI, L. DI CESARE MANNELLI, C. GHELARDINI, G. KOLAR, C. WAHLMAN, A. OPEJIN, C. XIAO, M. L. REITMAN, D. K.TOSH, D. HAWIGER, K. JACOBSON & D. SALVEMINI: Adenosine A3 agonists reverse neuropathic pain via T cell-mediated production of IL-10. *J. Clin. Inv.* 2021 Feb 23:139299. doi: 10.1172/JCI139299.

D'AMATO, L. DI CESARE MANNELLI, E. LUCARINI, A.L. MAN, G. LE GALL, J.J. V. BRANCA, C. GHELARDINI, A. AMEDEI, E. BERTELLI, M. REGOLI, A. PACINI, G. LUCIANI, P. GALLINA, A. ALTERA, A. NARBAD, M. GULISANO, L. HOYLES, D. VAUZOUR & C. NICOLETTI: Faecal microbiota transplant from aged donor mice into young recipients affects spatial learning and memory via modulating hippocampal synaptic plasticity- and neurotransmission-related proteins in young recipients. *Microbiome*, 2020 Oct 1;8(1):140. doi: 10.1186/s40168-020-00914-w.PMID: 33004079.

H.K. ROMERO, S.B. CHRINSTENSEN, L. DI CESARE MANNELLI, J. GAJEWIAK, R. RAMACHANDRA, K.S. ELMSLIE, D.E. VETTER, C. GHELARDINI, S.P. IADONATO, J. L. MERCADO, B. M. OLIVERA & J.M. McINTOSH: Inhibition of $\alpha 9\alpha 10$ nicotinic acetylcholine receptors prevents chemotherapy-induced neuropathic pain. *Proc. Natl. Acad. Sci U S A*. 2017 Feb 21. pii: 201621433. doi: 10.1073/pnas.1621433114.

N. MEIRI, C. GHELARDINI, G. TESCO, N. GALEOTTI, D. DAHL, D. TOMSIC, S. CAVALLARO, A. QUATTRONE, S. CAPACCIOLI, A. BARTOLINI & D.L. ALKON: Reversible antisense inhibition of *Shaker*-like Kv1.1 potassium channel expression impairs associative memory in mouse and rat. *Proc. Natl. Acad. Sci. USA*, 94 (9), p. 4430-4434, 1997.
P. DOLARA, C. LUCERI, C. GHELARDINI, C. MONSERRAT, S. AIOLLI, F. LUCERI, M. LODOVICI, S. MENICHETTI & M.N. ROMANELLI: Analgesic effects of mirrh, *Nature*, 379, p. 29, 1996.

PATENTS:

L. ANTONIOLI, M. FORNAI, C. PELLEGRINI, L. DI CESARE MANNELLI, C. GHELARDINI & E. LUCARINI: Medicamento per uso nel prevenire o trattare il dolore nociocettivo e/o viscerale. *Brevetto n. 102021000025124 depositato in Italia il 30.9.2021.*

L. DI CESARE MANNELLI, R. RAJAGOPALAN, C. GHELARDINI & P. RAJAGOPALAN: Prevention of nerve damage using petacicypyrpyridindolo [b,d]zepine compositions. *Brevetto depositato n. US 63/ 197,774 depositato in USA il 25.5.2021*

A. PIZZONI, P. PIZZONI, C. GHELARDINI, L. DI CESARE MANNELLI & E. LUCARINI: Associazione di piante officinali e loro uso nel trattamento e/o nella prevenzione del dolore viscerale. *Brevetto n. 102020000003795 depositato in Italia il 24.2.2020.*

D. SALVEMINI, C. GHELARDINI & L. DI CESARE MANNELLI: Treatment of irritable bowel syndrome, *Brevetto n., 62/769,299 depositato in USA in data 19.11.2018.*