

PERSONAL INFORMATION Claudia Martini



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 Professor of Biochemistry
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Sex Female | Nationality Italian

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 / Principal Investigator
<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

2017 -present	Advisory Board Member TLS, Toscana Life Sciences Foundation
2023-present	Italian Society of Biochemistry and Molecular Biology Directive Council Board Member
2016 - 2022	Vice-rector for the National Research University of Pisa
2012 - 2016	Director of the Department of Pharmacy University of Pisa
2010 - 2012	Dean of the Faculty of Pharmacy University of Pisa
2006 - 2012	Director of the Doctoral School of Science of Drugs and Bioactive Substances, University of Pisa
2000 - present	Full Professor of Biochemistry Department of Pharmacy, University of Pisa
1994	Visiting Professor Department of Neurological Surgery, University of Washington, Harborview Medical Centre (Seattle, USA)
1991 - 2000	Associate Professor of Biochemistry Faculty of Pharmacy, University of Pisa
1988 - 1990	Associate Professor of Biochemistry Faculty of Medicine, University of Parma
1983 - 1988	Researcher in Biochemistry Faculty of Pharmacy, University of Pisa
1981 - 1983	Researcher in Biochemistry Scuola Normale Superiore, Pisa

EDUCATION AND TRAINING

1978 – 1981 **Special Doctorate in the Class of Mathematical, Physical and Natural Sciences** Scuola Normale Superiore of Pisa
 1977 **Master Degree in Pharmacy** Faculty of Pharmacy, University of Pisa

WORK ACTIVITIES

Job-related skills Good organizational, communication and managerial skills acquired through a) the coordination of several national research projects as local and national manager; b) tutoring / supervisor of PhD students and undergraduates; c) institutional positions.
Digital skills Daily use of software such as Windows Office (Word, Excel, PowerPoint)
 Excellent command of digital image processing programs (Adobe Photoshop)
 Excellent command in the use of data analysis and statistical analysis software (ImageJ, Origin and Graph-Pad Prism)
Awards 2021-2027: selected as **Expert member for the National Research Program** of the Italian Ministry of University and Research.

2018: award **Ordine del Cherubino**, University of Pisa

2016-2020: selected as Coordinator of the **Italian Board of Full Professors in Biochemistry**

Editorial activity	<p>Editorial Board Member of Biochemical Pharmacology; Editorial Board Member of International Journal of Molecular Science Associate Editor of Journal of Alzheimer's Disease (JAD) Ad hoc reviewer for journals of the NPG, Science, ACS, Elsevier, Wiley, Plos, MDPI publishing groups (average of ~ 30 manuscripts annually in the last 30 years) Grant reviewer for MIUR and MUR (PRIN, FIRB, member of REPRISE), Italy; AIRC Foundation, Italy; Arisla Foundation, Italy; FISM Foundation, Italy; Multiple Sclerosis Society, UK; U.S.-Israel Binational Science Foundation (BSF), Israel; Medical Research Council (MRC), U.K.; National Science Center, Poland.</p>
Grants	<p>MUR Componente 4 missione 2: National Center for gene therapy and drugs based on RNA technology Principal investigator "Bioinspired delivery nanoplatfrom"</p> <p>MUR Componente 4 Missione 2: THE – Tuscany Health Ecosystem (Ecosistema dell'innovazione sulle scienze e le tecnologie della vita in Toscana) "Simulations, molecular mechanisms validation and radiobiological effect modelling"</p> <p>H2020-MSCA-IF-2020 2022-2024: Scientific supervisor of Dr. Simone Lubrano "New precision therapies for uveal melanoma (targeting the Gαq/GNAQ oncogenic signalling circuitry)" Grant agreement n° 101027731</p> <p>Ricerca COVID-19 (Regione Toscana) 2021-2023. Unit PI, "CreaziOne di un Percorso otTIMizzato per il flusso dei dati e la gestione del paziente con quadro clinico e radiologico compatibile con COVID-19"</p> <p>Research project founded by private companies. Principal investigator 2020-2021 "Valutazione degli effetti dell'integratore LIBRETTO in modelli di stress cellulare"; 2019-2020 "L-α-gliceril-fosforil-etanolamina (GFE): valutazione degli effetti del trattamento con GFE su metabolismo e plasticità neuronale"; 2018 "Modulation of phospholipid content on the neuronal membrane functionality: GPE molecular effects on human neurons in vitro"</p> <p>VII Programma quadro (Call SP4 – Capacities Coordination and Support action SiS.2013.2.1.1-1, FP7 Science in Society. Participant, "PROGETTO TRIGGER "Transforming Institutions by Gendering contents and Gaining Equality in Research" Grant Agreement N. 6110344.</p> <p>UVAR Dipint, University of Pisa 2015: Neurodegenerative diseases: the development of a new diagnostic test detecting α-synuclein complexes with β-amyloid or Tau in human blood.</p> <p>POR CRo FESR 2007-2013, Bando Unico R&S anno 2012 (Regione Toscana): Participant, Sviluppo di un nuovo preparato a base di Immunoglobuline G umane plasma-derivate per uso endovenoso.</p> <p>FP6-NMP - Nanotechnologies and nanosciences, knowledge-based multifunctional materials and new production processes and devices: thematic priority 3 under the 'Focusing and integrating community research' of the 'Integrating and strengthening the European Research Area' specific programme 2002-2006. Participant, BIODOT (Sensing BIOsystems and their Dynamics in fluids with Organic Transistors) ID: 32652.</p> <p>Italian Ministerial Project PRIN 2015: Unit PI, Nuove prospettive per il trattamento del glioblastoma multiforme attraverso un approccio multi-target; Project PRIN 2009: Project manager, Death induction in tumour cells: modulators of mitochondrial permeability and p53 pathway. PRIN 2007: Unit PI, Biological evaluation of metalloenzyme modulator activity on cell survival/death processes involved in cancer and neurodegenerative diseases. PRIN 2004: Project manager, Peripheral benzodiazepine receptor ligands as new apoptosis inducers useful in tumoral therapeutic strategies PRIN 2002: Project manager, Peripheral benzodiazepine receptor: role in tumor disease and development of new ligands as therapeutic tools. PRIN 2001: Unit PI, A2a adenosine receptor: regulation by cytokines and its role in neuronal cell survival and death. PRIN 1999: Unit PI, Regulation of A3 adenosine receptors mediated responses: desensitization and internalization.</p> <p>Fondazione Monte dei Paschi di Siena Project 2009. Participant, Correlati neurobiologici del disturbo da abuso e dipendenza da cocaina; Project 2008: Project manager, Rischio suicidario nel gioco d'azzardo patologico: dati clinici e neurobiologici.</p> <p>Istituto Toscano Tumori Project 2007: Unit PI, Mitochondrial permeability transition and glioma: identification of new oncogenes/oncosuppressors, chemotherapy target and molecular diagnosis tools.</p>
Patents	<p>2019 Compounds with a benzo[a]carbazole structure and use thereof, WO 2019049024 A1</p> <p>2017 Method for the diagnosis of neurodegenerative diseases. WO2017198554A1</p> <p>2017 Composti 2-oxo-1,2-diidropiridin-carbossiammide e loro usi come inibitori di PDK1/AuraA. WO2016198597</p> <p>2016 Pharmaceutical combination for the treatment of tumors. WO2016055454.</p> <p>2014 Translocator protein imaging agents; methods of manufacture, and methods of use thereof. WO 2014164678</p> <p>2010 GPR17-modulating compounds, diagnostic and therapeutic uses thereof. WO 2012059869.</p> <p>2007 Derivati a nucleo pirazolo-3,4-d-pirimidinico quali inibitori di proteine tirosina chinasi. RM2007A000480.</p>

2004. GPR17 modulators, method of screening and uses thereof. WO2006045476A3.

ADDITIONAL INFORMATION

Bibliometric indexes	<p>Scopus, until February 1th/2023 Number of total publications: 475 Total number of citations : 10918 H index (scopus): 50 Google scholar, until December 1th/2023 Total number of citations : 13988 H index: 58</p>
Research activities	<ul style="list-style-type: none"> • Studies on the molecular mechanisms and signaling transduction systems triggered by endogenous and exogenous substances in "tube" and in cellular models. • Modulation of gene expression, proliferation, differentiation and cell transformations in response to pharmacologically active compounds, under physiological and inflammatory conditions in neurodegenerative diseases and cancer. • Studies on the molecular structure of the mitochondrial translocator protein (its solubilization and chemical modification) and on its expression in metabolic, neurological and psychiatric disorders. • Adult stem cell proliferation/differentiation in cancer and neurodegenerative diseases
Publications	<p>For the complete list of publication: https://arpi.unipi.it/simple-search?query=martini+Claudia&sort_by=bi_sort_2_sort&order=desc&rpp=10&etal=0&filtername=author&filterquery=rp00515&filterquerydisplay=MARTINI%2c+CLAUDIA&filtertype=authority</p>