

Curriculum Vitae

Prof. CLAUDIA MARTINI

PERSONAL INFORMATIONS

First and last name	Claudia Martini
Work address	Department of Pharmacy. Via Bonanno, 6. 56126 Pisa, Italy.
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E-mail	claudia.martini@unipi.it
Citizenship	Italian

PRIMARY ACADEMIC/SCIENTIFIC APPOINTMENT

2000 to present: Full Professor of Biochemistry at the Faculty of Pharmacy, Pisa University.

2016 to present: Vice-Rector for Research, University of Pisa

2017-present: Advisory Board of "Toscana Life Sciences" Foundation

2015-2017: Member of Board of Director, "Toscana Life Sciences Foundation", Italy

2012-2016: Director of the Department of Pharmacy, University of Pisa

2012-2016: Member of the Research Committee, University of Pisa

2010-2016: Member of the Academic Senate, 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

2001-2006: Chairman of the Degree in Chemistry and Pharmaceutical Technology, University of Pisa

1992-2012: Deputy Director of the School of Specialization in Clinical Biochemistry, University of Pisa

1991-2000: Associate Professor of Biochemistry at the Faculty of Pharmacy, University of Pisa.

1994: Visiting Professor at the Department of Neurological Surgery, University of Washington, Harborview Medical Centre (Seattle, USA).

1988-1990: Associate Professor in Biochemistry at the Faculty of Medicine, University of Parma.

1983-1988: Researcher in Biochemistry at the Faculty of Pharmacy, University of Pisa.

1981-1983: Researcher in Biochemistry at the Scuola Normale Superiore of Pisa.

1978-1981: Special Doctoral in the Class of Mathematical, Physical and Natural Sciences, Scuola Normale Superiore of Pisa

RESEARCH ACTIVITIES

- *Modulation of gene expression, proliferation, differentiation and cell transformations in response to biologically active compounds, under physiological and inflammatory conditions in neurodegenerative diseases and cancer.*
- *Studies on the molecular mechanisms and signaling transduction systems triggered by endogenous and exogenous substances in "tube" and in cellular models.*
- *Studies on the molecular structure of the mitochondrial translocator protein (its solubilization and chemical modification) and on its expression in metabolic, neurological (mitochondrial diseases, Parkinson's diseases) and psychiatric disorders.*
- *Synuclein homo and hetero-aggregates studies in red blood cells and platelets of healthy subjects and patients affected by neuronal disorders*

RESEARCH GRANTS AWARDED

Granted European project FP7-TriggerGA611034

Ministerial Project PRIN 2015: Unit PI, area 05, 3 ys, Nuove prospettive per il trattamento del glioblastoma multiforme attraverso un approccio multi-target.

UVAR Dipint, University of Pisa 2015: A new method to detect protein-protein interactions;

Tuscany Region 2012: Sviluppo di un nuovo preparato a base di Immunoglobuline G umane plasma-derivate per uso endovenoso;

Granted European project (WP6) "Sensing BIOSystems and their Dynamics in fluids with Organic Transistors (BIODOT) (NMP4-CT-2006-032652).

Tuscany Region 2011: Biannual project on translational medicine, about cerebral ischemia;

Ministerial Project PRIN 2009: Project manager, area 05, 2 ys, Death induction in tumour cells: modulators of mitochondrial permeability and p53 pathway;

Fondazione Monte dei Paschi di Siena Project 2009: Correlati neurobiologici del disturbo da abuso e dipendenza da cocaina;

Fondazione Monte dei Paschi di Siena Project 2008: Rischio suicidario nel gioco d'azzardo patologico: dati clinici e neurobiologici, Project manager prof.ssa Martini;

Istituto Toscano Tumori Project 2007: Mitochondrial permeability transition and glioma: identification of new oncogenes/oncosuppressors, chemotherapy target and molecular diagnosis tools;

Ministerial Project PRIN 2007: Unit PI, area 03, 2 ys, Biological evaluation of metalloenzyme modulator activity on cell survival/death processes involved in cancer and neurodegenerative diseases;

Ministerial Project PRIN 2004: Project manager, area 03, 2 ys, Peripheral benzodiazepine receptor ligands as new apoptosis inducers useful in tumoral therapeutic strategies.;

Ministerial Project PRIN 2002: Project manager, area 05, 2 ys, Peripheral benzodiazepine receptor: role in tumor disease and development of new ligands as therapeutic tools.;

Ministerial Project PRIN 2001: Unit PI, area 05, 2 ys, A2a adenosine receptor: regulation by cytokines and its role in neuronal cell survival and death.;

Ministerial Project PRIN 1999: Unit PI, area 05, 2 ys, Regulation of A3 adenosine receptors mediated responses: desensitization and internalization.

HONORS AND AWARDS:

2016: Purine Club, First UK & Italian Purine Club meeting Bristol, UK; “Low TNF- α concentration modulates the A_{2B}AR mediated mesenchymal stem cell differentiation.”

2015: Purine Club, 6th Joint German-Italian Purine Club Meeting, Hamburg, Germany “The mesenchymal stem cell differentiation to osteoblasts is potentiated by the allosteric modulation of A_{2B} adenosine receptors”.

2012: Purine Club, Meeting, Fukuoka, Japan, “Regulation Of The P2Y-Like Receptor GPR17 By Agonist-Induced Desensitization”.

2009: Purine Club, Third Joint Italian-German Purine Club Meeting, Camerino, Italy “Functional cross-talk between GPR17 and nerve growth factor in neuronal pheochromocytoma PC12 cell proliferation and differentiation”.

2007: 20th European Neuropsychopharmacology Congress (Wien), “Panic-agoraphobic spectrum comorbidity and mitochondrial translocator protein in post-traumatic stress disorder”.

2006: XI Congresso Nazionale della Società Italiana di Psicopatologia, Roma.”. Recettore periferico mitocondriale delle benzodiazepine e livelli di DHEAS in pazienti con disturbo post-traumatico da stress e lutto complicato”.

PATENTS

-DANIELE S, MARTINI C, TRINCAVELLI ML (2017) Method for the diagnosis of neurodegenerative diseases. WO2017198554A1

-SESTITO S, DANIELE S, MARTINI C, RAPPOSELLI S, PURICELLI G (2017) Composti 2-oxo-1,2-diidropiridin-carbossiammide e loro usi come inibitori di PDK1/AurA. WO2016198597

-RAPPOSELLI S, MARTINI C, CALDERONE V, PURICELLI G (2016) Pharmaceutical combination for the treatment of tumors. WO2016055454.

-CASTELLANO S, DA SETTIMO F, MARTINI C, STEFANCICH G, TALIANI S, PIKE VW, INNIS RB, ZHANG YI, ZOGHBI SS (2014) Translocator protein imaging agents; methods of manufacture, and methods of use thereof. WO 2014164678

-ABBRACCHIO M, EBERINI I, PARRAVICINI C, MARTINI C, TRINCAVELLI ML, DANIELE S (2010). GPR17-modulating compounds, diagnostic and therapeutic uses thereof. MI2010A002037 - EP2635275 - WO 2012059869.

-BOCCI G, DA SETTIMO F, DEL TACCA M, FIORAVANTI A, LA MOTTA C, MARTINI C, MUGNAINI L, SARTINI S (2007). Derivati a nucleo pirazolo-3,4-d-pirimidinico quali inibitori di proteine tirosina chinasi. RM2007A000480.

-ABBRACCHIO MP, CIANA P, ROVATI G, MARTINI C, TRINCAVELLI ML, VERDERIO C (2004). GPR17 modulators, method of screening and uses thereof. WO2006045476A3.

BIBLIOMETRICS AND PUBLICATIONS

Scopus, until 03/ 22//2018

Articles number: # **415**

Articles number (last 10y) # **157**

Citations: #**7677**

Citations (last 15y): # **6611**

H-index: **41**

H-index (last 15y): **37**

For the complete list of publications see:

https://arpi.unipi.it/browse?type=author&authority=rp00515&sort_by=2&order=DESC#.VhIrL_ntmko

INTERNATIONAL COLLABORATIONS

-National Institutes of Health, the Nervous System Development and Plasticity Section, Bethesda, USA (R. Douglas Fields).

-Centro de Investigación Biomédica en Red sobre Enfermedades Neurodegenerativas (CIBERNED), and Department of

Biochemistry and Molecular Biology, University of Barcelona (Carmen Lluís).

-Department of Chemistry and Pharmacy, Emil Fischer Center, Friedrich Alexander University, Erlangen, Germany (Harald Huebner)

-Institut für Pharmakologie und Toxikologie, Universität Würzburg, Germany (Karl Klotz).

-Department of Prospective and strategic initiative, Sanofi Aventis group (Francois Besnard).

-Faculty of Science, University of Sydney, Australia (Michael Kassiou).

-Royal Veterinary College and UCL Consortium for Mitochondrial Research, London, UK (Michelangelo Campanella).

-PET Radiopharmaceutical Sciences Section, Molecular Imaging Branch, NIMH, Bethesda, MD, USA (Victor W. Pike)

-Department of Chemistry & Molecular Biology, University of Göteborg (Örjan Hansson).

-University of California, San Diego (Steven Gonias)

-University of Regensburg, Regensburg, Germany. (Christian Wetzel)

-University of Strasbourg, Inserm, Strasbourg, France (Ayikoé Mensah-Nyagan)

PROFESSIONAL MEMBERSHIP

-International Society for Neurochemistry

-Society for Neuroscience

-New York Academy of Science

-Federation of European Neurosciences

-Federation of the Societies of Biochemistry and Molecular Biology

-Società Italiana di Biochimica e Biologia Molecolare;

-Società Italiana di Neuroscienze;

-Purine Club;

EDITORIAL SERVICE

Average of ~ 30 manuscripts annually over the last thirty years

Referee panel member of international scientific journals

ACS

Elsevier

Nature group

Science

Wiley

PlosONE

MDPI

Editorial Board Member of Biochemical Pharmacology

Editorial Board Member of International Journal of Molecular Science

Guest Editor for a special issue of the International Journal of Molecular Science

GRANT REVIEWING

Ministerial project PRIN and FIRB, Italy

AIRC Foundation, Italy

Arisla Foundation, Italy

FISM Foundation, Italy

Multiple Sclerosis Society, UK

REPRISE, Expert Panel member of MIUR, Italy

U.S.-Israel Binational Science Foundation (BSF), Israel

Medical Research Council (MRC)-U.K.

Pisa, March, 27th, 2019

Claudia Martini