

PERSONAL INFORMATION

Maria Paola Castelli

 Dipartimento di Scienze Biomediche (Sezione Neuroscienze e Farmacologia Clinica),
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Female | Date of birth 22/02 /1955 | Nationality Italian

EDUCATION AND TRAINING

Date	1994-1997 Specialization in Pharmacology University of Cagliari, Cagliari (Italy)
Date	1982-1988 Ph.D. in Immunology University of Cagliari (Italy)
Date	1981-1985 Specialization in Obstetrics and Gynecology University of Cagliari, Cagliari (Italy)
Date	1973-1980 Degree in Medicine University of Cagliari, Cagliari (Italy)

WORK EXPERIENCE

December 2020-present	Associate Professor of Physiological Psychology and Psychobiology at the Faculty of Educational Sciences, Degree in Psychology (M-PSI-02) (PSIC-01/B) Department of Biomedical Sciences, University of Cagliari,
2004-NOVEMBER 2020	Assistant Professor of Physiological Psychology and Psychobiology (M-PSI-02) Department of Biomedical Sciences, University of Cagliari
2019	National Qualification as Associate Professor of Psychobiology
2017	National Qualification as Associate Professor of Pharmacology
2003-1998	Research Associate, Soc. Consortile Ricerche Neuropsicofarmacologiche a r.l., Cagliari, Italy.
1998-1994	Research Assistant and Medical Resident, Dept. Neuroscience, Univ. Cagliari (Italy), Fellowship of the Italian Ministry of University.
1994-1990	Research Assistant, Laboratory of Cellular and Molecular Endocrinology, group of gene expression, Consorzio Mario Negri Sud in Santa Maria Imbaro, Chieti (Italy).
1989-1987	Visiting Scientist, Immunology Department of Smith, Kline and Beecham Research Institute in King of Prussia, Philadelphia, PA (USA).
1987-1986	Visiting Scientist, Preclinical Screening Laboratory in the National Cancer Institute in Frederick Cancer Research Faculty (NCI-FCRF, USA).
1985-1983	Research Assistant and Medical Resident in the Institute of Internal Medicine, Laboratory of Clinical Immunology, Univ. Cagliari (Italy).
1983-1981	Internship in the Institute of Clinical Obstetrics and Gynecology, Univ. Cagliari (Italy).

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Replace with name of language certificate. Enter level if known.					
French	B1	B1	B2	B1	
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Organisational / skills
Date

2019
Member of Local Organizing Committee of the International Meeting "Addiction2020: Enlightening the addicted brain: cells, circuits and therapies, 20-23 September, 2020, Villasimius (CA), Italy.

Date

2015
Organization and Chairman of the Symposium "The GABAB receptor: from molecular to behavioural regulation" for the international congress of the Mediterranean Neuroscience Society (MNS) held in SANTA MARGHERITA DI PULA, 12-15 JUNE 2015

Professional/skill
Job-related skills
Date

ACADEMIC ACTIVITIES (@ Univ. Cagliari, Italy)
2011-2018
PhD Neuroscience Committee Member.

Date

2003-2018
Tutoring for PhD Students in Neuroscience for the University of Cagliari, Italy.

Teaching experience
Date

2020-2021
Neuropsychology (SSD M-PSI/02) Degree Course in Psychology of Development and Social-working processes, Faculty of Science of Education, University of Cagliari

Date

2019
Teaching in the International Scientific School on Novel Psychoactive Substances, Pula (CA), Italy

Date

2017
Teaching in PhD course in Neuroscience, University of Cagliari (Italy).

Date

2016-2017
Teaching in Specialization course of Pharmacology, University of Cagliari (Italy).

Date

2014-2004
Teaching of Developmental Neuropsychology and Neuropsychology (SSD M-PSI/02) Degree Course in Development Psychology, Faculty of Education, University of Cagliari, (Italy).

Date

2004-2006
Teaching of Psychobiological and Psychophysiological Methodologies (SSD M-PSI/02) Degree Course in Psychological Sciences and Techniques, applied to Psychosocial Learning and Health, Faculty of Science of Education, University of Cagliari.

RESEARCH INTERESTS

Date: 1994-present

The focus of the research of Dott. Castelli has been on the investigation of different neurobiological mechanisms which underlie behavioral, cognitive, and emotional functions, through the investigation of several neurotransmitters, their receptors and their mechanisms of action, such as biological- and physiological- correlates of the Central Nervous System.

For the past 20 years she has been involved in research projects investigating the molecular and biochemical mechanisms of drugs of abuse, with particular attention paid to the GABAB receptor and the role of CB1 and MOR receptors in drug addiction and polydrug abuse.

She has over 20 years' experience in biochemical pharmacology and neurochemistry, with a major focus on neurochemical mechanisms in the origin of drug addiction. As PI or co-investigator in several projects funded by MIUR- (Italian Ministry of Education, University and Research, Italy) or by private foundations, she has contributed to clarify the involvement of the endocannabinoid system and CB1 receptors in both physiological conditions and neuropsychiatric disorders, including eating and mood disorders

Date 1986-1994

During this period Dott. Castelli carried out her research at the Department of Immunology, National Cancer Institute of Frederick (NCI-FCRF, USA) and at the Mario Negri Sud Research Institute where she investigated the immunoregulatory properties of cytokines, beta-adrenergic agonists and factors of "thyroid-specific" gene transcription of the TSH receptor

ADDITIONAL INFORMATION

MEMBERSHIPS

Member of the International Cannabinoid Research Society (ICRS)

Member of the Society for Neuroscience (SfN)

Member of the Mediterranean Neuroscience Society (MNS).

FUNDED ONGOING PROJECTS

Date	2024
Title	Bed Nucleus of the Stria Terminalis and alcohol addiction: potential role of oxytocin as a therapeutic agent for the prevention of relapse. A preclinical study (Ministero dell'Istruzione, dell'Università e della Ricerca Dipartimento per la formazione superiore e per la ricerca; PRIN-PNRR (Piano Nazionale di Ripresa e Resilienza)

FUNDED PROJECTS

Date	2019
Title	Bioenergetics and inflammation: novel insights for new therapeutic approaches in Alzheimer's Disease (Italian Ministry of University, PRIN 2017)
Date	2018
Title	"Analysis, knowledge dissemination, Justice implementation and Special Testing of novel Synthetic Opioids (JUSTSO)" European Commission Justice Program (2018-2020)-call for proposals: JUST-2017-AG-DRUG (JUST-2017-AG-DRUG
Date	2018
Title	"Effects of NPS: Development of a multicenter research for information enhancement of the Early Warning System " Presidency of the Council of Ministers - Department for Anti-drug Policies
Date	2018
Title	Innovative pharmacological therapies and nutraceutical approach to neuroinflammation in psychiatric and neurodegenerative diseases"-RASSR50209-Regional Council of Sardinia

Publications: Numbers 67

ORCID ID: <https://orcid.org/0000-0003-3249-4706>

Database Scopus **H index 29;**

Date 29 September 2024

H. Paolo Gstell.