

curriculum vitae
Claudia Sagheddu

Education

2006: Master's degree in Medical Biotechnology and Molecular Medicine (curriculum in Neuroscience).

Faculty of Medicine and Surgery. University of Milan (Italy).

2010: International PhD in Neuroscience. International School for Advanced Studies, Trieste (Italy).

Current Position

Since 02/05/2024: Researcher tenure track. Department of Biomedical Sciences, University of Cagliari, Italy.

Other Positions

01/03/2021 - 30/04/2024: Researcher type A. Department of Biomedical Sciences, University of Cagliari, Italy.

02/2012 - 02/2021: Post-doc at the Department of Biomedical Sciences, University of Cagliari, Italy.

01/2011 - 07/2011: Research fellowship at the Neurobiology sector of the International School for Advanced Studies, Trieste, Italy.

International Positions

24/07/2024 – 22/08/2024: Visiting Scientist (MGR program Regione autonoma della Sardegna) at the Center for Brain research, Medical University of Vienna, Austria.

14/07/2023 – 19/07/2023: Visiting Professor (Erasmus⁺ program award) at the Center for Brain research, Medical University of Vienna, Austria.

01/03/2020 – 31/08/2020: Visiting Scientist with scientific agreement. Paracelsus Medical University (PMU), Salzburg, Austria.

01/01/2017 – 18/03/2017: Visiting Scientist with EMBO fellowship award. Institute of Experimental Medicine, Hungarian Academy of Sciences, Budapest, Hungary.

Career breaks

Mandatory maternity leave from 24/11/2014 to 23/04/2015 in accordance with the national law D.L.151/2001.

Academic Honors

Since 31/05/2021: General Psychology, Psychobiology, Psychometry sector. National Qualification for Associate Professor from the Italian Ministry for University and Research (MUR).

Since 29/05/2023: Pharmacology, Clinical Pharmacology, Pharmacognosy sector. National Qualification for Associate Professor from the Italian Ministry for University and Research (MUR).

Peer recognitions

2019: Award for research in Pharmacology by Farindustria and Italian Society of Pharmacology.

2018: Award for research in Neuropharmacology by Fondazione La Sapienza University of Rome.

2015: Award for Research in Neuropsychopharmacology from Italian Society of Pharmacology.

2014: International Cannabinoid Research Society (ICRS) Symposium, Baveno, Italy. Travel grant.

2013: European College of Neuropsychopharmacology (ECNP). Poster awarded as selection for oral presentation at the 26th ECNP Congress, Barcelona, Spain.

2009: Student grant for the “Workshop on the molecular biology and biophysics of ion channels”, Alicante, Spain.

2009: Student grant and Poster award at the European Chemoreception Research Organization (ECRO), Cagliari, Italy.

Professional Memberships

2020-now SINS-FENS, Italian Society for Neuroscience (member of the European Federation);
2013-now SIF, Italian Society of Pharmacology;
2024-2025 SfN Society for Neuroscience;
2013-2014 ECNP, European College of Neuropsychopharmacology;
2014-2015 ICRS, International Cannabinoid Research Society;
2007-2010 ECRO, European Chemoreception Research Organization.

Other professional experience

INTERNATIONAL INVITED PRESENTATIONS

23/07/2019: “*In vivo* single unit extracellular recordings for the study of innovative cognitive enhancers” to the Proteomic Research group of the Paracelsus Medical University of Salzburg, Austria.

06/10/2013: “Endocannabinoid-mediated plasticity at inhibitory synapses onto midbrain dopamine neurons as a possible marker of vulnerability to addiction” at the European College for Neuropsychopharmacology (ECNP) congress, Barcelona, Spain.

SPEAKER AT CONFERENCES

2021: Digital Edition of the Italian Society of Pharmacology Congress. “Modulation of neuronal activity in cognition-processing rat brain areas by new selective inhibitors of dopamine reuptake”.

2019: 1st Meeting of Young Researchers of the Fondazione Zardi-Gori at Centro Congressi S.Raffaele, Milan, Italy. “Sex-dependent effects of maternal Δ^9 -Tetrahydrocannabinol on dopamine neurons”.

2018: CNR Institute of Neuroscience Retreat, Bergamo, Italy. “N-acylethanolamine acid amidase as a novel therapeutic target for nicotine addiction”.

2016: CNR Institute of Neuroscience Retreat, Padova, Italy. “Elevation of endogenous kynurenic acid levels suppresses Δ^9 -Tetrahydrocannabinol-induced effects on the mesocorticolimbic circuit”.

2010: Young Neuroscientists Meeting, Trieste, Italy. “Calcium-activated chloride channels in olfactory transduction”.

2009: Hispano-Italian workshop on the molecular biology and biophysics of ion channels. Alicante, Spain. “The calcium-activated chloride current in the cilia of intact mouse olfactory sensory neurons”.

ORGANIZATIVE ROLES

2011: Young Neuroscientists Meeting. Trieste, Italy. Chair.

Revision and Editorial panels

- Since 2024: Editorial board for “Translational neuroscience” (De Gruyter academic publishing)

- Since 2022: Review Editor for “Frontiers in Cellular Neurophysiology”

- Since 2020-2021: Reviewer for Elsevier Group; Frontiers; MDPI Group

Other contributions to the academic and research community

Teaching since 2024. Sector of Neuropsychology and Cognitive neuroscience, University of Cagliari, Italy.

Teaching 2020-2024. Sector of Pharmacology and Clinical Pharmacology Sector, University of Cagliari, Italy.

Public Outreach Activities in Schools, Science Events, Public meetings.

Full List of Peer Reviewed Publications

ORCID ID 0000-0002-5315-2898;

SCOPUS ID 35312071400;

N=34 publications in international peer-reviewed journals;

Scopus: 1144 citations; h-index: 17.

Google Scholar: 1634 citations; h-index: 19.

Full publication list: <https://www.ncbi.nlm.nih.gov/myncbi/claudia.sagheddu.1/bibliography/public/>

Research Support

Ongoing Funded Projects

- PRIN2022-2022WH9MEF. Italian Ministry of University and Research. “Targeting NLRP3 inflammasome in the liver-brain axis: common pathological pathways in obesity and Alzheimer's disease”

Role: **PI, Head of research unit.**

- PRIN2022 PNRR-P202224ZTX. Italian Ministry of University and Research. “Converging therapeutic approach to multiple sclerosis and associated depressive state by pharmacological modulation of the tryptophan/kynurenine pathway”

Role: **Head of research unit.**

- H2UB 2022 - POS-T4-AN10. Italian Ministry of Health. “Cellular and computational models, micro and nanotechnologies for innovative personalized therapies”.

Role: **Team member.**

Completed Research Support

- SPOKE N.3 - Neuronal Homeostasis and brain-environment interaction. Italian Ministry of University and Research. “Amphetamine-like drugs, social Stress and their Influence the homeostasis of mesocorticolimbic regions: a focus on dopaminergic and glutamatergic mechanisms of dysfunction - AS-IMPACT”

Role: **Team member.**

- PRIN2017-2017YH3SXX. Italian Ministry of Education and Research. “Bioenergetics and inflammation: novel insights for new therapeutic approaches in Alzheimer's Disease”.

Role: **Research Assistant**

- PRIN2009-200928EEX4_002. Italian Ministry of Education and Research. “Supraspinal neurophysiological changes in a murine model of neuropathic pain: therapeutic opportunities through systemic administration of human mesenchymal stem cells and modulation of the purinergic system”.

Role: **Post-doctoral fellow.**

- L.R. 7/2007 RAS2018. Regional governative grant. “Innovative pharmacological therapies and nutraceutical approach to counteract neuroinflammation in psychiatric and neurodegenerative disorders”.

Role: **Post-doctoral fellow.**

- PRIN2008-20087PB3BW_001. Italian Ministry of Education and Research. “Electrophysiological characterization of calcium-activated chloride channels involved in the olfactory transduction”.

Role: **PhD student.**

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