

Date of Birth	August 25th, 1978
Place of Residence	Veneto, Italy
Citizenship	Argentine, Italian
e-mail	mariajimena.ricatti@univr.it

Academic Education

2015-2016	Postdoctoral training <i>Human Taste & Olfactory assessment in Parkinson's Disease</i>	Department of Neurological and Movement Sciences, Anatomy and Histology Section, University of Verona, Italy
2013-2015	Postdoctoral training <i>Artificial Sniffer Biosensor development (Sniffer Project)</i>	Department of Molecular Medicine, University of Padova, Italy
2011-2013	Postdoctoral Researcher <i>Role of the Cannabinoid System in the Olfactory Epithelium Neuroregeneration</i>	Institute of Cell Biology and Neuroscience, Faculty of Medicine, University of Buenos Aires, Argentina
2011	PhD degree in Neuroscience	University of Buenos Aires, Argentina
2006-2011	PhD training <i>Visual System Neurogenesis in Vertebrates</i>	Laboratory of Neuroscience, Faculty of Medicine, University of Buenos Aires, Argentina
2004-2006	Training in biochemistry and neurobiology <i>Neurodegeneration in Parkinson's Disease</i>	Faculty of Biochemistry, University of Buenos Aires, Argentina
2003	Medical Doctor degree	Faculty of Medicine, University of Buenos Aires, Argentina
1999-2003	Training in neuroanatomy, nervous system development and neurogenesis	Institute of Cell Biology and Neuroscience, Faculty of Medicine, University of Buenos Aires, Argentina

Current Positions

Since 2021	Research Assistant at the Department of Neurological and Movement Sciences, Anatomy and Histology Section, University of Verona, Italy.
Since 2020	Medical Sensory Trainer, "Associazione Rete dell'Olfatto Argentina & Smell Training www.aroast.com.ar

Activities Developed in Sensory Education

2022	Speaker at the Post-pandemic Gastronomy Masterclass at Estudio Crudo, Argentina. Awarded Post-pandemic tasting Experience Project at Mediamatic, Netherlands.
2020	Speaker at the Food & Sensory Education Masterclass at Kitchen Studio, Uruguay.

2019	Speaker at the Sensory and Food Education Masterclass at Estudio Crudo, Argentina.
2017	Creation and Direction of the “Multisensory Gastronomic Workshop” at Estudio Crudo, Argentina. Lecturer at the workshop “Probiotic Nutrition” at Estudio Crudo, Buenos Aires, Argentina.
2017	Invited Lecturer at the Conference “L’Alimentazione è” at Sala Polivalente, Sponsored by Comune di Vigonovo, Italy.
2015	Collaborator at the Meeting “Neurogastronomia: Il cibo e il sensi”, by University of Padova, scientific partnership in the frame of Expo2015, Italy.
2010	Creation and Direction of the “Sensory Perception Workshop” by Slow Food, Argentina.
2009	Speaker at the First National Meeting of Slow Food Chefs “Playing with food and senses”, by Slow Food, Argentina.
2008	Creation and Direction of the Organoleptic Properties of Wine Workshop, Buenos Aires Wine Exposition “Expo Wines and Vineyards”, Argentina.
2007	Design, organization and coordination at the Neuroscience Exhibition “El Sótano de la Percepción”, Museum of Natural Sciences B. Rivadavia, Argentina.

Professional Training Workshops and Programs

2015	Attended to the workshop “Electron Microscopy and Imaging Techniques for the study of food” by University of Verona, Italy.
2014	Completed the course “Introduction to Consumer Neuroscience & Neuromarketing” by Professor Thomas Zoëga Ramsøy, Center for Decision Neuroscience, Copenhagen Business School.
2013	Attended the Smell and Taste Workshop by Professor Thomas Hummel, Smell & Taste Clinic, Department of Otorhinolaryngology, University of Dresden Medical School, Germany. Completed the course “Science of Gastronomy” by Professor Lam Lung Yeung, University of Science and Technology, Hong Kong.
2012	Attended the IBRO-FENS-SFN School “Chemical Senses: Neurobiology and Behavior School”, Italy.
2009	Attended the Miledi Neurosciences Training Program, Institute of Neurobiology, UNAM, Mexico.
2008	Attended the GCOE-International Brain Research Organization (IBRO) Graduate School of Frontier Biosciences, Osaka University, Japan.
2007	Attended to the International Brain Research Organization (IBRO) Visiting Lecture Team Program, Amazon University, Brazil

Academic Teaching

- Full Time Lecturer and Researcher at Cellular Biology Department, Faculty of Medicine, University of Buenos Aires, Argentina, 2006-2013.
- Full Time Senior Faculty at Cellular Biology Department, University of Buenos Aires, Argentina, 2003-2006.
- Full Time Junior Faculty at Cellular Biology Department, Faculty of Medicine, University of Buenos Aires, Argentina, 2000-2002.

Invited Scientific Talks

- Lecture at UK Semiochemistry Network, British Workshop XXI. Talk entitled "Beyond the Biological Olfaction: a step towards the artificial sniffer". Caius & Gonville College of Cambridge, United Kingdom, 2013.

Scientific Publications

- 2024 Long-term effects of SARS-CoV-2 infection in patients with and without chemosensory disorders at disease onset: a psychophysical and magnetic resonance imaging exploratory study
Cecchini MP, Pizzini FB, Boschi F, Marcon A, Moro L, Gordon E, Guizard N, Cavedo E, **Ricatti MJ**, Veronese S, Tamburin S, Tinazzi M, Mansueto G, Sbarbati A. *Neurol Sci.* 2024. doi: 10.1007/s10072-024-07429-4.
- 2023 Olfaction and gustation in blindness: a state of the art of the literature.
Ricatti MJ, Savazzi S, Cesari P, Cecchini MP. *Neurol Sci* 2023. doi: 10.1007/s10072-023-06734-8.
- 2023 AGE-RELATED IN VIVO STRUCTURAL CHANGES IN THE MALE MOUSE OLFACTORY BULB AND THEIR CORRELATION WITH OLFACTORY-DRIVEN BEHAVIOR.
Bontempi P, **Ricatti MJ**, Sandri M, Nicolato E, Mucignat-Caretta C, Zancanaro C. *Biology (Basel)* 2023 Feb 28;12(3):381.
- 2021 BIOSENSOR ARRAY BASED ON LIGAND BINDING PROTEINS FOR NARCOTICS AND EXPLOSIVES DETECTION.
Scorsone E, Manai R, Cali K, **Ricatti MJ**, Farno S, Persaud K, Mucignat C. *Sensors and Actuators B: Chemical* Vol. 334, 129587.
- 2019 EFFECTS OF POINT MUTATIONS IN THE BINDING POCKET OF THE MOUSE MAJOR URINARY PROTEIN MUP20 ON LIGAND AFFINITY AND SPECIFICITY.
Ricatti J, Acquasaliente L, Ribaudo G, De Filippis V, Bellini M, Llovera RE, Barollo S, Pezzani R, Zagotto G, Persaud KC, Mucignat-Caretta C. *Sci Rep.*, 22;9(1):300.
- 2017 A PROSPECTIVE EVALUATION OF TASTE IN PARKINSON'S DISEASE.
Ricatti MJ, Ottaviani S, Boschi F, Fasano A, Tinazzi M, Cecchini MP. *J Neural Transm.*, 124(3):347-352.
- 2016 MAJOR URINARY PROTEINS ON NANODIAMOND-BASED RESONATORS TOWARD ARTIFICIAL OLFACTION.
Scorsone E, Manai R, **Ricatti MJ**, Redaelli M, Bergonzo P, Persaud KC, Mucignat C. *IEEE Sensors Journal*, Vol. 16, issue 17.
- 2015 SEROTONIN AND NORADRENALINE REUPTAKE INHIBITORS IMPROVE MICTURITION CONTROL IN MICE.
Redaelli M, **Ricatti MJ**, Simonetto M, Claus M, Ballabio M, Caretta A, Mucignat-Caretta C. *PLoS One*, 26;10(3):e0121883.
- 2013 SYNAPTIC PLASTICITY ALTERATIONS ASSOCIATED WITH MEMORY IMPAIRMENT INDUCED BY DELETION OF CB2 CANNABINOID RECEPTORS.
García-Gutiérrez MS, Ortega-Álvaro A, Arnau, Pérez-Ortiz JM, Caltana LR, **Ricatti MJ**, Brusco A, Maldonado R, Manzanares J. *Neuropharmacology*, 73:388-96.
- 2011 PURINERGIC SIGNALS REGULATE DAILY S-PHASE CELL ACTIVITY IN THE CILIARY MARGINAL ZONE OF THE ZEBRAFISH RETINA.
Ricatti MJ, Battista AG, Zorrilla Zubilete M, Faillace MP. *J Biol Rhythms*, 26(2):107-17.
- 2009 EXTRACELLULAR ADP REGULATES LESION-INDUCED IN VIVO CELL PROLIFERATION AND DEATH IN THE ZEBRAFISH RETINA.
A Battista, **MJ Ricatti**, D Pafundo, M Gautier, MP Faillace. *J Neurochem.*, 111(2):600-13.
- 2008 IMMUNOCYTOCHEMICAL LOCALIZATION OF NTPDASES 1 AND 2 IN THE NEURAL RETINA OF MOUSE AND ZEBRAFISH.
Ricatti MJ, Alfie LD, Lavoie EG, Sévigny J, Schwarzbaum PJ, Faillace MP. *Synapse*, 30;63(4):291-307.
- 2007 MAPPING THE EFFECTS OF THREE DOPAMINE AGONISTS WITH DIFFERENT DISKINETOGENIC POTENCIAL USING PHARMACOLOGICAL MRI.
M Delfino, R Kalisch, M Czisch, C Larramendy, **J Ricatti**, G Murer, D Auer, O Gershanik. *Neuropsychopharmacolog.*, 32(9):1911-21.
- 2005 ALTERED NITRIC OXIDE SYNTHASE AND PKC ACTIVITIES IN CEREBELLUM OF GAMMA-IRRADIATED NEONATAL RATS.
Zorrilla Z MA, Ríos H, Silberman DM., Guelman LR, **Ricatti MJ**, Genaro AM, Zieher LM. *Brain Research*, 27;1051(1-2):8-16.

Poster presented at International Scientific Events

- 29 scientific posters presented from 2002-2023 in international events, of which 12 were as first author in the field of Neuroscience research.

Fellowships and Travel Grants

- ECRO fellowship to attend the "ECRO Annual Meeting", Greece, 2016.
- IBRO-FENS-SFN fellowship to attend the "Chemical Senses: Neurobiology and Behavior School", Italy, 2012.
- Hugo Arechiga Fellowship to attend the "Neuroscience Annual Meeting", San Diego, USA, 2010.
- Grass Foundation Fellowship to attend the Miledi Neuroscience Training Program, Institute of Neurobiology (UNAM), Mexico, 2009.
- LARC-International Brain Research Organization (IBRO) Fellowship to attend IBRO/LARC Congress of Neuroscience of Latin America, Caribbean and Iberian Peninsula, Brazil, 2008.
- GCOE-International Brain Research Organization (IBRO) Fellowship to attend the Graduate School of Frontier Biosciences,

Osaka University, Japan, 2008.

- International Brain Research Organization (IBRO) Fellowship to attend the Visiting Lecture Team Program, Amazon University, Brazil, 2007.

Grants and Fundings obtained

- Participation as Senior Researcher in the Olfactory System Neuroregeneration Research funding, University of Buenos Aires Grant UBACYT, 2011-2014.
- Participation as Co-director of Sensory Perception Education funding, Secretaryship of Science and Techniques, Government of Buenos Aires City, 2006-2008.
- Participation as Co-director of the Metropolitan Arts and Science Fund for Sensory Perception Education, Ministry of Culture, Government of Buenos Aires City, 2006-2007.
- Participation as Junior Researcher in five grants, from National Council for Scientific and Technological Research (CONICET) and National Agency for Scientific and Technological Promotion (ANPCyT) in the field of Neuroscience Research, 2000-2005.

International Scientific Memberships

- Founder Member at Asociación Red Olfato Argentina and Smell Training, since 2020.
- ECRO, European Chemosensory Research Organization, 2012-2017.
- Society for Neuroscience, 2010-2016.
- UK Semiochemistry Network, since 2013.
- Red Olfativa Española (ROE), since 2009.
- International Brain Research Organization (IBRO), since 2007.
- Argentinian Society of Neuroscience Research (SAN), since 2003.

Languages

- SPANISH: Native
- ENGLISH AND ITALIAN: full professional proficiency
- JAPANESE: basic proficiency (written and spoken)

Softwares

- Adobe Photoshop, Adobe Illustrator, Adobe Lightroom, Adobe Bridge, Adobe Premiere, Adobe Acrobat
- Microsoft Office (Excel, Word, Power Point)
- Ricerca bibliografica online (Pubmed, google Scholar, Scopus)
- Meeting online: Zoom, Google Meet, Microsoft Teams

Contributions in sensory and food education

- **Contributed expertise** in the Documentary Film "Hipocrates Dream" directed by Pedro Sosnitsky, *in production*.
- **Co-authored** the academic book "Medical-Practical Histology", Taste and Olfaction Histophysiology chapters, Elsevier, *in press*.
- **Authored** the Article "The Doors of (Multi-sensory) Perception", Mold Magazine, New York, 2020.
- **Authored** the Article "The Fermented Flavor", The Preserve Journal, Copenhagen, 2020.
- **Contributed expertise** to the best-seller book: "Mala Leche" by Soledad Barruti, Editorial Planeta, Argentina, 2018.
- **Co-authored** the Book Clorofilia by Máximo Cabrera, Editorial Planeta, Argentina, 2018.

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María Jimena Ricatti
March 19th, 2024