

Maria Rosa Mazzoni

EDUCATION

1981: Certified Specialist in Rheumatology at University of Pisa.

1978: Medical Doctor Degree at University of Pisa (110/110 cum laude).

SCIENTIFIC AND PROFESSIONAL ACTIVITIES

- November 2010 to present: Full Professor of Biochemistry, Department of Pharmacy, University of Pisa, Pisa, Italy.
- April 2000 - November 2010: Associate Professor of Biochemistry, Dept. of Psychiatry, Neurobiology, Pharmacology and Biotechnology at the University of Pisa, Pisa, Italy.
- February 2002 - February 2003: Visiting Professor, Department of Pharmacology, Vanderbilt University Medical School, Nashville, TN USA.
- January 1987 - March 2000: Assistant Professor of Biochemistry, Institute of Biological Disciplines-Dept. of Psychiatry, Neurobiology, Pharmacology and Biotechnology at University of Pisa, Pisa, Italy.
- August-November 1996: Visiting Professor (Mutual Education Exchange “W. Fulbright” Program) Dept. of Physiology and Biophysics, University of Illinois at Chicago and Institute of Neuroscience, Northwestern University, Chicago, IL USA.
- 1987 - 1991: Post-doctoral Fellow Research Associate, Dept. of Physiology and Biophysics, University of Illinois at Chicago, Chicago, IL USA.
- 1984 - 1987: Assistant Professor of Biochemistry, Institute of Biological Disciplines, Faculty of Pharmacy at University of Pisa, Pisa, Italy.
- 1981 - 1983: Fellow of Rheumatology at Institute of Special Medical Pathology and Clinical Methodology, Faculty of Medicine, and Institute of Biological Disciplines, Faculty of Pharmacy at University of Pisa, Pisa, Italy.

SCIENTIFIC CAREER, AWARDS AND MEMBERSHIPS

- 2020: peer reviewer for “Cancers”.
- 2017 to present: member of the Italian Proteomic Association (ItPA) and European Proteomic Association.
- 2015: reviewer of research proposal for the “Israel Science Foundation”.
- 2012 - 2014: reviewer of PRIN and FIRB projects for the MIUR.

- 2012 – 2014: reviewer of applications for Fulbright grants (The U.S. - Italy Fulbright Commission).
- 2013: Gordon Research Conferences - Molecular Pharmacology (Rinascimento Tuscany Il Ciocco Resort, Barga (LU) - 4/28/2013 - 5/3/2013).
- 1998 - 2000, 2000 - 2002 and 2004 - 2006: research grants from the Italian Ministry of Instruction, University, and Research (MIUR) and University of Pisa.
- 1997 - 2001: Member of the American Society for Biochemistry and Molecular Biology (ASBMB).
- 1996: Research Traveling Grant for the United States reserved to Italian Teachers and Researchers - Fulbright Program.
- 1998/00, 2000/02 and 2004/06
- 1994 - 1997: Grant from the European Community (EC) - Human Capital and Mobility Program.
- 1993: Member of the European Network on Biological Signal Transduction Modulated by G Proteins (ENBST).
- 1990 - 1991: Member of the Association for Research in Vision and Ophthalmology (ARVO).
- 1989: Young investigator Award - Federation of American Societies for Experimental Biology-Vision Conference (Vermont, 25-30 June 1989).
- 1989 - 2000: Member of the American Biophysical Society.
- 1986 to present: Member of the Italian Society of Biochemistry (SIB).

SELECTED RECENT PUBLICATIONS

- Ciregia F, Cetani F, Pardi E, Soggiu A, Piras C, Zallocco L, Borsari S, Ronci M, Caruso V, Marcocci C, **Mazzoni MR**, Lucacchini A, Giusti L. (2021) Comparative Proteomic Profile of Parathyroid Carcinoma and Adenoma: a Case Report. Accepted for publication in *CANCER GENOMICS AND PROTEOMICS*.
- Zallocco L, Giusti L, Ronci M, Mussini A, Trerotola M, **Mazzoni MR**, Lucacchini A, Sebastiani L. (2021) Salivary Proteome Changes in Response to Acute Psychological Stress Due to an Oral Exam Simulation in University Students: Effect of an Olfactory Stimulus. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*. 22(9):4295. doi: 10.3390/ijms22094295.
- Barbalace MC, Zallocco L, Beghelli D, Ronci M, Scortichini S, Digiacomo M, Macchia M, **Mazzoni MR**, Fiorini D, Lucacchini A, Hrelia S, Giusti L, Angeloni C. (2021) Antioxidant and Neuroprotective Activity of Extra Virgin Olive Oil Extracts Obtained from Quercetano Cultivar Trees Grown in Different Areas of the Tuscany Region (Italy). *ANTIOXIDANTS (Basel)*. 10(3):421. doi: 10.3390/antiox10030421.

- Ortore G, Orlandini E, Betti L, Giannaccini G, **Mazzoni MR**, Camodeca C, Nencetti S. (2020) Focus on Human Monoamine Transporter Selectivity. New Human DAT and NET Models, Experimental Validation, and SERT Affinity Exploration. ACS CHEMICAL NEUROSCIENCE. 11(20):3214-3232. doi: 10.1021/acscchemneuro.0c00304.
- Lacerenza S, Ciregia F, Giusti L, Bonotti A, Greco V, Giannaccini G, D'Antongiovanni V, Fallahi P, Pieroni L, Cristaudo A, Lucacchini A, **Mazzoni MR**, Foddìs R. (2020) Putative Biomarkers for Malignant Pleural Mesothelioma Suggested by Proteomic Analysis of Cell Secretome. CANCER GENOMICS AND PROTEOMICS. 17(3):225-236. doi: 10.21873/cgp.20183.
- Seccia V, Navari E, Donadio E, Boldrini C, Ciregia F, Ronci M, Aceto A, Dallan I, Lucacchini A, Casani AP, **Mazzoni MR**, Giusti L. (2020) Proteomic Investigation of Malignant Major Salivary Gland Tumors. HEAD AND NECK PATHOLOGY. 14(2):362-373. doi: 10.1007/s12105-019-01040-2.
- Ciregia F, Giacomelli C, Giusti L, Boldrini C, Piga I, Pepe P, Consensi A, Gori S, Lucacchini A, **Mazzoni MR**, Bazzichi L. (2019) Putative salivary biomarkers useful to differentiate patients with fibromyalgia. JOURNAL OF PROTEOMICS. 190:44-54. doi: 10.1016/j.jprot.2018.04.012.
- Giusti L, Molinaro A, Alessandrì MG, Boldrini C, Ciregia F, Lacerenza S, Ronci M, Urbani A, Cioni G, **Mazzoni MR**, Pizzorusso T, Lucacchini A, Baroncelli L. (2019) Brain mitochondrial proteome alteration driven by creatine deficiency suggests novel therapeutic venues for creatine deficiency syndromes. NEUROSCIENCE. 409:276-289. doi: 10.1016/j.neuroscience.2019.03.030.
- Giusti L, Angeloni C, Barbalace MC, Lacerenza S, Ciregia F, Ronci M, Urbani A, Manera C, Digiacomo M, Macchia M, **Mazzoni MR**, Lucacchini A, Hrelia S. (2018) A Proteomic Approach to Uncover Neuroprotective Mechanisms of Oleocanthal against Oxidative Stress. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 19(8):2329. doi: 10.3390/ijms19082329.
- Piga I, Heijs B, Nicolardi S, Giusti L, Marselli L, Marchetti P, **Mazzoni MR**, Lucacchini A, McDonnell LA (2017) Ultra-high resolution MALDI-FTICR-MSI analysis of intact proteins in mouse and human pancreas tissue. INTERNATIONAL JOURNAL OF MASS SPECTROMETRY. 437. doi: 10.1016/j.ijms.2017.11.001.
- Ciregia F, Bugliani M, Ronci M, Giusti L, Boldrini C, **Mazzoni MR**, Mossuto S, Grano F, Cnop M, Marselli L, Giannaccini G, Urbani A, Lucacchini A, Marchetti P (2017) Palmitate-induced lipotoxicity alters acetylation of multiple proteins in clonal β cells and human pancreatic islets. SCIENTIFIC REPORTS. 7(1):13445. doi: 10.1038/s41598-017-13908-w.

- Bonotti A, Foddìs R, Landi S, Melaiu O, De Santi C, Giusti L, Donadio E, Ciregia F, **Mazzoni MR**, Lucacchini A, Bovenzi M, Comar M, Pantani E, Pistelli A, Cristaudo A. (2017) A Novel Panel of Serum Biomarkers for MPM Diagnosis. *DISEASE MARKERS*. 2017: 3510984. doi: 10.1155/2017/3510984.
- Bonotti A, Simonini S, Pantani E, Giusti L, Donadio E, **Mazzoni MR**, Chella A, Marconi L, Ambrosino N, Lucchi M, Mussi A, Cristaudo A, Foddìs R. (2016) Serum mesothelin, osteopontin and vimentin: useful markers for clinical monitoring of malignant pleural mesothelioma. *INTERNATIONAL JOURNAL OF BIOLOGICAL MARKERS*. 32: e126-e131. doi: 10.5301/jbm.5000229.
- Ciregia F, Kollipara L, Giusti L, Zahedi RP, Giacomelli C, **Mazzoni MR**, Giannaccini G, Scarpellini P, Urbani A, Sickmann A, Lucacchini A, Bazzichi L. (2016) Bottom-up proteomics suggests an association between differential expression of mitochondrial proteins and chronic fatigue syndrome. *TRANSLATIONAL PSYCHIATRY*. 6: e904. doi: 10.1038/tp.2016.184.
- Giusti L, Sernissi F, Donadio E, Ciregia F, Giacomelli C, Giannaccini G, **Mazzoni MR**, Lucacchini A, Bazzichi L. (2016) Salivary psoriasin (S100A7) correlates with diffusion capacity of carbon monoxide in a large cohort of systemic sclerosis patients. *JOURNAL OF TRANSLATIONAL MEDICINE*. 14: 262. doi: 10.1186/s12967-016-1023-5.
- Giusti L, Ciregia F, **Mazzoni MR**, Lucacchini A (2016) Proteomics insight into psychiatric disorders: an update on biological fluid biomarkers. *EXPERT REV PROTEOMICS*. Sep 8: 1-10.
- Ciregia F, Giusti L, Molinaro A, Niccolai F, **Mazzoni MR**, Rago T, Tonacchera M, Vitti P, Giannaccini G, Lucacchini A (2016) Proteomic analysis of fine-needle aspiration in differential diagnosis of thyroid nodules. *TRANSLATIONAL RESEARCH*. S1931-5244(16)30030-5. doi: 10.1016/j.trsl.2016.04.004.
- Giusti L, Ciregia F, Bonotti A, Da Valle Y, Donadio E, Boldrini C, Foddìs R, Giannaccini G, **Mazzoni MR**, Canessa PA, Cristaudo A, Lucacchini A (2016) Comparative proteomic analysis of malignant pleural mesothelioma: Focusing on the biphasic subtype. *EUPA OPEN PROTEOMICS* Vol. 10, p. 42-49.
- Fazzini A, D'Antongiovanni V, Giusti L, Da Valle Y, Ciregia F, Piano I, Caputo A, D'Ursi AM, Gargini C, Lucacchini A, **Mazzoni MR** (2014). Altered Protease-Activated Receptor-1 Expression and Signaling in a Malignant Pleural Mesothelioma Cell Line, NCI-H28, with Homozygous Deletion of the β -Catenin Gene. *PLOS ONE*, 9, p. 1-13, ISSN: 1932-6203, doi: 10.1371/journal.pone.0111550.

- Karash A, **Mazzoni MR**, Gilchrist A (2014). Pharmacological intervention at CCR1 and CCR5 as an approach for cancer: help or hindrance. *CURRENT TOPICS IN MEDICINAL CHEMISTRY*, vol. 14, p. 1553-1573, ISSN: 1568-0266.
- Gilchrist A, Gauntner TD, Fazzini A, Alley KM, Pyen DS, Ahn J, Ha SJ, Willett A, Sansom SE, Yarfi JL, Bachovchin KA, **Mazzoni MR**, Merritt JR (2014). Identifying bias in CCR1 antagonists using radiolabelled binding, receptor internalization, β -arrestin translocation and chemotaxis assays. *BRITISH JOURNAL OF PHARMACOLOGY*, vol. 171, p. 5127-5138, ISSN: 0007-1188, doi: 10.1111/bph.12835.
- Asteriti S, Daniele S, Porchia F, Dell'anno MT, Fazzini A, Pugliesi I, Trincavelli ML, Taliani S, Martini C, **Mazzoni MR**, Gilchrist A. (2012). Modulation of PAR1 signaling by benzimidazole compounds. *BRITISH JOURNAL OF PHARMACOLOGY*, vol. 167, p. 80-94, ISSN: 0007-1188, doi: 10.1111/j.1476-5381.2012.01974.x.
- Nencetti S, **Mazzoni MR**, Ortore G, Lapucci A, Giuntini J, Orlandini E, Banti I, Nuti E, Lucacchini A, Giannaccini G, Rossello A (2011). Synthesis, molecular docking and binding studies of selective serotonin transporter inhibitors. *EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY*, vol. 46, p. 825-835, ISSN: 0223-5234, doi: 10.1016/j.ejmech.2010.12.018.