

PROFESSIONAL EXPERIENCES

- From April 2022 to today: Life Science researcher & scientific consultant, Freelance biologist (ONB), Data Manager & Study coordinator, Nutritionist and Health Coach certificate (Italy).
- From June 2015 to April 2022: INPIARMMA spa (OMK Ruby Group) Varese (Pavia headquarters) - Research, Development and Regulatory Affairs Manager. Responsible for coordinating the company's research and development projects, which include: research, promotion, study, design and development of food supplements, food for special medical purposes and medical devices. Scientific advice, regulatory compliance and market analysis. Selection of innovative raw material and definition of specifications. Coordination of formulation development, sample preparation and delivery of product data sheet, submit pre-clinical. Set-up in production. Product graphic compliance, back sales customer support. Medical Marketing presentation preparation, identification of sources and collaborations with R&D departments of the OMK Ruby Group. Collaborations with universities and research institutes.
- September 2013 to June 2015: Innostem Inc., Brescia headquarters - Deputy Scientific Director of Italy R&D. Responsible for coordinating the company's research and development projects, which include research, invention, development, pre-clinical and clinical studies, registration and sales. Selection of researchers. Resource management. Study of new biotech healthcare products to be launched on the international market. Collaboration with international biotech companies. Writing scientific reports and submitting grant proposals. Writing of scientific papers. Excellent knowledge of GMP lines. Knowledge of ISO standards. Translation of scientific papers. Creation and updating of websites for new products. Creation of brochures, presentations, communication material, educational campaigns. Sales force training and participation in meetings with customers, potential customers. Development of existing products and advertising. Organization of conferences, meetings, press events. Participation in international due diligence processes. Writing of business plan for investors. Selection of projects with research organizations.
- January 2011 to September 2013: - Monzino Cardiology Center, IRCCS, Milan - PostDoc senior researcher. Study of the role of the $\alpha 1 \text{PR}^1$ purinergic receptor in cardiac ischemia in the level of stem cells residing in the myocardium. Various scientific publications on international journals.
- November 2004 to December 2010: University of Milan, Milan - PhD, PhD in Pharmacotoxicology, Pharmacological Sciences and Biotechnology in the Cellular and Molecular Laboratory of the Pharmacology of Pharmacological Transmission directed by Prof. Maria Maria Maffei. Study of the role of purinergic receptors in nociceptive information cell biology, primary and immortalized cell culture. Development of cardiac cell heterotransplantation. Flow cytometry. Cell culture. Optical and confocal microscopy. Microbiology. Immunopharmacology. Molecular biology. PCR, RT-PCR, qPCR. Extraction and purification of nucleic acids. Transfections. Biochemistry. Writing grant proposals, patents, scientific articles, papers and presentations. Participation in international conferences as a speaker.
- June 2010 to September 2010: Hopital Erasme of Bruxelles, Belgium - Researcher. Research experience in the Clinical Biology Laboratory directed by Prof. Jean Marie Beccand. Isolation of a novel cardiac myocyte from P2Y₂ and P2Y₄ purinergic receptor knock-out mice in a model of cardiac dysfunction.
- November 2006 to October 2007: University of Milan, Milan. Junior researcher. Winner of a scholarship "Innovative experimental research on the modulation of purinergic receptors" in the Cellular and Molecular Laboratory of the pharmacology of pharmacological transmission directed by Prof. Maria Maria Maffei.

TRAINING

2022	ICH Good Clinical Practice E6 certification
2022	IIN Institute of Integrative nutrition (NY) Health Coach certificate
2020	Master "Microbiota: physiopathological, clinical and therapeutic aspects" 24 January - 31 October 2020.
2015-2016	Master's Degree in Nutraceutical Products, Design, Formulation Development, Control and Marketing The University of Pavia.
December 2013	Passing the State Exam for Professional Biologist, University of Pavia. License and registration with the ONB (National Biologists' Order).
December 2010	PhD in Pharmacotoxicology, Pharmacological Sciences and Biotechnology, University of Milan.
July 2006	Master's Degree in Biotechnology with Agricultural Plant Management, University of Milan.
March 2004- July 2004	ERASMUS Project, Faculty of Pharmacology, Universitat de Valencia, Spain.
July 1999	Diploma Liceo Classico, Como

PUBLICATIONS

1. Cosentino S, Castiglioni I, Colazzo F, Nobili F, Tremoli E, Rosa P, Abbricchio MP, Simon L, Perce M. Expression of dual Nucleotides/G-protein-coupled Receptor GPR17 in early trafficking of cardiac stem/progenitor cells after myocardial infarction. *Journal of Cellular and Molecular Medicine* (2014) Jun 7. [\[Epub 55\]](#)
2. Cosentino S, Bani C, Barbiel JC, Liu H, Tremoli E, Abbricchio MP. Cardiac myocyte death induced by ischemic/hypoxic stress is differentially affected by distinct purinergic P2 receptors. *Journal of Cellular and Molecular Medicine* (2011) Jul 18. [\[Epub 46\]](#)
3. Bani C, Broschi M, Lenti S, Pinillo A, Galli S, Cosentino S, Tremoli E, Mussoni L. Statins prevent tissue factor induction by protease-activated receptors 1 and 2 in human umbilical vein endothelial cells in vitro. *Journal of Vascular and Medicine Biol* (2011) Aug;23(8):1608-19.
4. Barbi I, Colombo AL, Staszewsky LJ, De Simone M, Decanna P, Nanni S, Avvabile D, Mella P, Cosentino S, Russo I, De Angelis N, Sottili A, Bianchi A, Camilli E, Gaetani C, Farsetti A, Pompilio G, Lenti R, Capogrossi MG, Perce M. Histone Deacetylase Inhibition Enhances Self-Renewal and Cardioprotection by Human Cord Blood-Derived CD34 Cells. *PLoS One* (2011) 6(7):e22158. [\[Epub 44\]](#)
5. Mazzoli A, Amoroso E, Beltrami E, Lecca D, Ferraro S, Cosentino S, Tremoli E, Lenti S, Abbricchio MP. Opposite effects of methyl and adenine nucleotides on the survival of mouse cardiomyocytes. *Journal of Cellular and Molecular Medicine* (2008) 12(2):322-36. [\[Epub 55\]](#)

La firma del Dlg. (19/03) autorizza al mio sostituto del Dr. Giuseppe L. ...

F.to Simona Cosentino

Milano

21/08/2023