CURRICULUM VITAE



Dr. sc. nat. **Luca Mariotta,** EMBA

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Education and Professional Activity

2020 – present	**Plant Director and Qualified Person** Swiss Stem Cells Biotech AG
2015 – present	**Qualified Person and Quality Control Manager** Swiss Stem Cell Foundation clean room unit
2013 - 2015	**Head of Production and Qualified Person Substitute** Swiss Stem Cell Foundation clean room unit
2013 - 2014	**Scientific collaborator** Swiss Stem Cell Foundation research unit
08-11/ 2012	**Post-Doc fellow** by Prof. Dr. med. F. Verrey, University of Zurich, Institute of Physiology
2008 - 2012	**PhD candidate** by Prof. Dr. med. F. Verrey University of Zurich, Institute of Physiology
2007 - 2008	**Research Assistant** by Prof. Dr. K. Basler University of Zurich, Institute for Molecular Biology
2005 - 2007	**Master of Science in Molecular and Cellular Biology** Prof. Dr. Noll University of Zurich, Institute for Molecular Biology
2002 - 2005	**Bachelor of Science**, University of Zurich
2000 - 2002	Biochimestry study, ETH Zurich
1996 - 2000	Maturity type B, Liceo Cantonale di Locarno

Courses and Certificates

02/2024	Member of Genolier Innovation Network
07/2021	Executive Master in Businness Administration EMBA
05/2018	IATA certificate, Dangerous goods UN3373
12/2015	Basis: GDP Gute Vertriebspraxis
11/2014	GMP Dokumentation

11/2014	Intensiv: FvP, Fachtechnisch verantwortliche Person
11/2014	OOS, Entstehung und Vorgehen
11/2014	Basis: Qualifizierung
09/2014	Batch Record Review und Freigabe
08/2014	Rohr AG: Verhalten in GMP Cleanroom
01/2014	GMP Basistraining
10/2013	UniStem: La frontiera terapeutica delle cellule staminali
05/2013	UniStem: Epigenetica e cellule staminali
02/2006	LTK Modul 1: Einführung in die Labortierkunde

Patent

Co-inventor patent No.: 13795440.0 – 1402 PCT/EP2013072738
"Serum free medium for human mesenchymal stem cells"

Languages

- English: fluent
- German: fluent
- French: fluent
- Italian: native

Societies

- Swiss Physiological Society (SPS), affiliated to USGEB
- Integrative and Molecular Medicine (ImMed), Graduate School of Life Science Zurich

Meetings

2015/17/18/19/23: iCAST Annual Meeting, Zurich, CH
2013: TEDD Annual Meeting, Wädenswil, CH
2012: TEDD Annual Meeting, St. Gallen, CH
2011: Experimental Biology (EB), Washington, USA
2010: Deutsche und Skandinavische Physiologische Gesellschaften, Kopenagen, DK
2009: International Union of Physiological Societies (IUPS), Kyoto, JP
2009/10/11/12: Union of the Swiss Societies for Experimental Biology (USGEB), CH
2008: Transporters meeting, Murten, CH

Publications

Rusconi, G.; Cremona, M.; Gallazzi, M.; **Mariotta, L.**; Gola, M.; Gandolfi, E.; Malacco, M.; Soldati, G. Good Manufacturing Practice-Compliant Cryopreserved and Thawed Native Adipose Tissue Ready for Fat Grafting. *J. Clin. Med. 2024, 13, 3028. https://doi.org/10.3390/jcm13113028*

Cremona M, Rusconi G, Ferrario A, **Mariotta L**, Gola M, Soldati G. Processing Adipose Tissue Samples in a GMP Environment Standardizes the Use of SVF in Cell Therapy Treatments: Data on 302 Patients. *Biomedicines. 2023 Sep 14;11(9):2533. doi: 10.3390/biomedicines11092533. PMID: 37760974; PMCID: PMC10525825.*

Rusconi G, Cusumano G, **Mariotta L**, Canevascini R, Gola M, Gornati R, Soldati G. Upgrading Monocytes Therapy for Critical Limb Ischemia Patient Treatment: Pre-Clinical and GMP-Validation Aspects. *Int J Mol Sci. 2022 Oct 21;23(20):12669. doi: 10.3390/ijms232012669. PMID: 36293525; PMCID: PMC9604444.*

François P, Rusconi G, Arnaud L, **Mariotta L**, Giraudo L, Minonzio G, Veran J, Bertrand B, Dumoulin C, Grimaud F, Lyonnet L, Casanova D, Giverne C, Cras A, Magalon G, Dignat-George F, Sabatier F, Magalon J, Soldati G. Inter-center comparison of good manufacturing practices-compliant stromal vascular fraction and proposal for release acceptance criteria: a review of 364 productions. *Stem Cell Res Ther. 2021 Jul 1;12(1):373. doi: 10.1186/s13287-021-02445-z. PMID: 34210363; PMCID: PMC8252207.*

Stanco D., Caprara C., Ciardelli G., **Mariotta L**., Gola M., Minonzio G., Soldati G. (2019). Tenogenic differentiation protocol in xenogenic-free media enhances tendon-related marker expression in ASCs. *PLoS One. 2019 Feb 12;14(2):e0212192.*

Araya, S., Kuster, E., Gluch, D., **Mariotta, L**., Lutz, C., Reding, T.V., Graf, R., Verrey, F., and Camargo, S.M.R. (2017). Exocrine pancreas glutamate secretion help to sustain enterocyte nutritional needs under protein restriction. *Am. J. Physiol. Gastrointest. Liver Physiol*. ajpgi.00135.2017.

Guetg, A., **Mariotta, L.**, Bock, L., Herzog, B., Fingerhut, R., Camargo, S.M.R., and Verrey, F. (2014). Essential amino acid transporter Lat4 (Slc43a2) is required for mouse development. *J. Physiol*.

Camargo SM, Vuille-dit-Bille RN, **Mariotta L**, Ramadan T, Huggel K, Singer D, Götze O, Verrey F (2014). The molecular mechanism of intestinal levodopa absorption and its possible implications for the treatment of Parkinson's disease. J Pharmacol Exp Ther 351, 114-23.

Minonzio G, Corazza M, **Mariotta L**, Gola M, Zanzi M, Gandolfi E, De Fazio D, Soldati G (2014). Frozen adipose-derived mesenchymal stem cells maintain high capability to grow and differentiate. *Cryobiology* 69, 211-6

Müller J, Mayerl , Visser TJ, Darras VM, Boelen A, Frappart L, **Mariotta L**, Verrey F, Heuer H (2014). Tissue-specific alterations in thyroid hormone homeostasis in combined Mct10 and Mct8 deficiency. *Endocrinology* 155, 315-25.

Araya, S., Lutz, C., Kuster, E., **Mariotta, L**., Herzog, B., Verrey, F., Reding, T., Graf, R., and Camargo, S. (2013). L-glutamate secretion in the pancreatic juice involves transport and metabolism of neutral amino acids in exocrine pancreas. Pancreatology 13, S31.

Mariotta L, Ramadan T, Singer D, Guetg A, Herzog B, Stöger C, Palacin M, Lahoutte T, Camargo SM, Verrey F (2012). Control of extracellular aromatic amino acid homeostasis by T-type amino acid transporter TAT1 (Slc16a10). *J Physiol* 590, 6413-6424.

Singer D, Camargo SM, Ramadan T, Schäfer M, **Mariotta L**, Herzog B, Huggel K, Wolfer D, Werner S, Penninger J, Verrey F (2012). Defective intestinal amino acid absorption in Ace2 null mice. *Am J Physiol Gastrointest Liver Physiol* 303, G686-695.

Verrey F, Singer D, Ramadan T, Vuille-dit-Bille RN, **Mariotta L**, Camargo SM (2009). Kidney amino acid transport. *Pflugers Arch - Eur J Physiol* 458:53–60