Curriculum Vitae ERIKA LORENZETTO

PHONE	045 8027620
E-MAIL	erika.lorenzetto@univr.it
NATIONALITY	Italian
BIRTH DATE	31/10/1978

WORK EXPERIENCE

DATE
POSITION

2017-Present
Imaging Platform Specialist - Centro Piattaforme Tecnologiche - Università di Verona

TEACHINGS

2022-Present - BIO09- Physiology -Fondamenti e didattica della Biologia - Modulo di Fisiologia e relativo Laboratorio - CDL-Scienze della Formazione Primaria, Dip Scienze Umane, Università di Verona

2016-Present -BIO/09- Physiology- Fondamenti morfologici e funzionali della vita- CDL-in Tecniche di radiologia medica, per immagini e radioterapia, Dip. di Medicina, Università di Verona

2016 -Present -BIO/09- Physiology- Fondamenti morfologici e funzionali della vita- CDL-in Igiene dentale, Dip. di Medicina, Universita' di Verona

Dal 2021 -Present- BIO/09 - Physiology - CDL Tecniche Ortopediche
Dal 2022 ad oggi - BIO/09 - Physiology - CDL Tecniche di perfusione cardiocircolatoria

2015 to 2017 - BIO09- Fondamenti e didattica della Biologia - Laboratorio - CDL-Scienze della Formazione Primaria, Dip Scienze Umane, Università di Verona

DATE
POSITION

2008 - 2017
Technician at the Neuroscience, Biomedicine and Movement Science, University of Verona. Supervisor: Prof. Mario Buffelli

Education

DATE	Gen-Dec 2008
ACHIEVED QUALIFICATION	Post-Doc at the Pathology Dep, University of Verona, Supervisor: Dr.ssa della Bianca
DATE	Gen-Dec 2007 Post-Doc at the Neuroscience,
ACHIEVED QUALIFICATION	Biomedicine and Movement Science, University of Verona. Supervisor: Prof. Mario Buffelli
DATE	2004-2007
ACHIEVED QUALIFICATION	PhD in Neuroscience at the Neuroscience, Biomedicine and Movement Science, University of Verona. Supervisor: Prof. Mario Buffelli
DATE	1997-2003
ACHIEVED QUALIFICATION	Degree in Chemistry and Pharmaceutical Technologies at the l'University of Padua.
DATE	1997
ACHIEVED QUALIFICATION	Diploma of Perito Chimico Industriale at the "Istituto Tecnico Industriale Statale G. Silva di Porto di Legnago VR.
ACHIEVED QUALIFICATION	2017 - Graphic Design Course MIND Academy Padova
ACHIEVED QUALIFICATION	2022 - Social Media Manager course at MIND Academy Padova

COMPETENCE

LANGUAGES	Italian English (C2-2024 - CLA - UniVR), French

TECHNICAL COMPETENCE

Imaging, fluorescence, confocal and multiphoton microscopy, TEM, cell biology (cell line maintenance, primary cell lines, Western Blotting), mouse genotyping and transgenic colony maintanance, immunofluorescence, recombinant protein production and purification, chromatography (HPLC, FPLC, IMAC). Social media manager (Facebook, Instagram, Linkedin, Meta business suite), digital marketing.

COMPUTER PROGRAMS

ADOBE PHOTOSHOP, ADOBE ILLUSTRATOR, ADOBE INDESIGN. WORDPRESS
MICROSOFT OFFICE, ILIFE PACKAGE (MAC),
IMAGE ANALYSIS SOFTWARE: LAS-AF (LEICA), IMARIS (Oxford Instruments), FIJI-IMAGEJ (NIH), Cell Sense (Evident - Olympus), Huygens (SVI), CellSens (Evident).

PUBLICATIONS

1. Peikert, K., et.al. (2021). Therapeutic targeting of lyn kinase to treat chorea-acanthocytosis. Acta Neuropathologica Communications, 9(1) doi:10.1186/s40478-021-01181-y
2. Rigo, A., et al. (2019). BID and the α-bisabolol-triggered cell death program: Converging on mitochondria and lysosomes. Cell Death and Disease, 10(12) doi:10.1038/s41419-019-2126-8
3. Borin, M., et al. (2018). Rac1 activation links tau hyperphosphorylation and Aß dysmetabolism in alzheimer's disease. Acta Neuropathologica Communications, 6(1) doi:10.1186/s40478-018-0567-4
4. Vezzalini M, et al (2017). A new monoclonal antibody detects downregulation of protein tyrosine phosphatase receptor type γ in chronic myeloid leukemia patients. J Hematol Oncol. Jun 21;10(1):129. doi: 10.1186/s13045-017-0494-z.
5. Baruzzi A, et al. (2015) Sos1 regulates macrophage podosome assembly and macrophage invasive capacity (2015) Journal of Immunology 195:4900-12.
6. Bolognin S, Lorenzetto E, Buffelli M. The potential role of RhoGTPases in Alzheimer disease pathogenesis. Mol. Neurobiol 23 Jan 2014 Mol Neurobiol. (2014) 50(2):406-22.
7. Lorenzetto E, Ettorre M, Pontelli V, Bolomini-Vittori M, Bolognin S, Zorzan S, Laudanna C and Buffelli M. Rac1 selective activation improves retina ganglion cell survival and regeneration. Plos One, 8(5):e64350 doi:10.1371/journal.pone.0064350 (2013).
8. Zorzan Simone, Lorenzetto E, Ettorre Michele, Pontelli Valeria, Laudanna Carlo, Buffelli Mario HOMECAT: consensus homologs mapping for interspecific knowledge transfer and functional genomic data integration. Bioinformatics 29(12):1574-6 (2013)

9. Martino A, Ettorre M, Musilli M, Lorenzetto E, Buffelli M, and Diana G.Rho GTPase-dependent plasticity of dendritic spines in the adult brain. Front Cell Neurosci 7:62. Doi: 10.3389/fncel. 2013.00062 (2013).

10. Bolognin S, Buffelli M, Lorenzetto E, Valenti MT, Zatta P. βamyloid-aluminium complex alters cytoskeletal stability and increases ROS production in neurons. Neurochemistry International 62(5):566-74 (2013).

11. Lorenzetto E., Moratti E., Vezzalini M., Sorio C. And Buffelli M. Distribution of different isoforms of Receptor Protein Tyrosine Phosphatase γ (Ptprg-RPTP γ) in adult brain: upregulation during neuroinflammation. Brain Structure and Function: in press (2013).

12. M. Ettorre, E. Lorenzetto, C. Laperchia, C. Baiguera, C. Branca, M. Benarese, PF. Spano, M. Pizzi and M. Buffelli. Glutamatergic Neurons Induce Expression of Functional Glutamatergic Synapses in Primary Myotubes. Plos One 2012; 7(2):e31541.

13. Costantini C., Lorenzetto E., Cellini B., Buffelli M., Rossi F., Della Bianca V., Astrocytes regulate the expression of Insulin-Like Growth Factor 1 Receptor (IGF1-R) in primary cortical neurons during in vitro senescence. Molecular and Cellular Neuroscience» , vol. 40 , n. 3 , (2010), pp. 342-35

14. Lorenzetto E.; Caselli L.; Feng G.; Yuan W.; Nerbonne JM.; Sanes JR.; Buffelli M., Genetic pertubation of postsynaptic activity regulates synapse elimination in developing cerebellum. PNAS USA (2009) 106(38):16475-16480

15. Lorenzetto E., Panteri R., Marino R., Keller F., and Buffelli M. Impaired nerve regeneration in reeler mice after peripheral nerve injury. Eur J Neurosci. (2008) 27(1):12-19.

16. Favero M, Lorenzetto E, Bidoia C, Busetto G, Cangiano A. Synapse formation and elimination: role of the activity studied in different models of adult muscle reinnervation. J Neurosi Res 2007 85(12): 2610-9.

17. Panteri R, Mey J, Zhelyaznik N, D'Altocolle A, Del Fa A, Gangitano C, Marino R, Lorenzetto E, Buffelli M, Keller F., Reelin is transiently expressed in the peripheral nerve during development and is upregulated following nerve crush. Mol Cell Neurosci. 2006 32:133-42

CONFERENCE AND WORKSHOP (LAST 5 YEARS)

- 2019- Next Generation Superresolution Microscopy with ZEISS Elyra 7- ZEISS Forum | Oberkochen, Germany February 27 – 28, 2019
- 2022 - FOM - Focus on microscopy - Online
- 2022 - MACS Imaging days - Bergisch Gladbach - Germany - 20-21 Settembre 2022
- 2023 - Primo Congresso Nazionale delle Core Facilities - FONDAMENTI, POTENZIALITA' E SVILUPPO - 30-31 marzo 2023 - Università di Milano.
- Congresso del Gruppo Italiano per lo studio della Neuromorfologia (GISN), Verona, Novembre 2023