



Curriculum Vitae ERIKA LORENZETTO

POSITION	045 8027620
PHONE	erika.lorenzetto@univr.it
E-MAIL	Italian
NATIONALITY	31/10/1978
Education	
BIRTH DATE	
DATE	
ACHIEVED QUALIFICATION	
WORK EXPERIENCE	2017-Present Imaging Platform Specialist - Centro Piattaforme Tecnologiche - Università di Verona
DATE	
POSITION	
DATE	
ACHIEVED QUALIFICATION	SSD: BIOS-06/A (ex BIO09)
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
DATE	
ACHIEVED QUALIFICATION	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
DATE	
ACHIEVED QUALIFICATION	2016 -Present -BIO/09- Physiology- Fondamenti morfologici e funzionali della vita- CDL-in Igiene dentale, Dip. di Medicina, Universita 'di Verona
DATE	
ACHIEVED QUALIFICATION	2021 -Present- BIO/09 - Physiology - CDL Tecniche Ortopediche, Dip. di Medicina, Universita 'di Verona
DATE	
ACHIEVED QUALIFICATION	2022- Present - BIO/09 - Physiology - CDL Tecniche di perfusionazione cardiocircolatoria, Dip. di Medicina, Universita ' di Verona
DATE	
ACHIEVED QUALIFICATION	2015 to 2017 - BIO09- Fondamenti e didattica della Biologia - Laboratorio - CDL-Scienze della Formazione Primaria, Dip Scienze Umane, Università di Verona
DATE	
ACHIEVED QUALIFICATION	2008 - 2017 Technician at the Neuroscience, Biomedicine and Movement Science, University of Verona. Supervisor: Prof. Mario Buffelli
DATE	
POSIZIONE	Gen-Dec 2008 Post-Doc at the Pathology Dep, University of Verona, Supervisor: Dr.ssa della Bianca

COMPETENCE

LANGUAGE

Gen-Dec 2007 Post-Doc at the Neuroscience, Biomedicine and Movement Science, University of Verona. Supervisor: Prof. Mario Buffelli

TECHNICAL COMPETENCE

2004-2007

PhD in Neuroscience at the Neuroscience, Biomedicine and Movement Science, University of Verona. Supervisor: Prof. Mario Buffelli

1997-2003

Degree in Chemistry and Pharmaceutical Technologies at the l'University of Padua.

COMPUTER PROGRAMS

1997

Diploma of Perito Chimico Industriale at the "Istituto Tecnico Industriale Statale G. Silva di Porto di Legnago VR.

2017 - Graphic Design Course MIND Academy Padova

PUBLICATIONS

2022 - Social Media Manager course at MIND Academy Padova

Italian

English (C2-2024 - CLA - UniVR),

French

Imaging, fluorescence, confocal and multiphoton microscopy, TEM, cell biology (cell line maintenance, primary cell lines, Western Blotting), mouse genotyping and transgenic colony maintenance, immunofluorescence, recombinant protein production and purification, chromatography (HPLC, FPLC, IMAC).

Social media manager (Facebook, Instagram, LinkedIn, Meta business suite), digital marketing.

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).

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 A β 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. β amyloid-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 (Ptp γ -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 perturbation 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.

CONFERENCE AND WORKSHOP
(LAST 5 YEARS)

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 Neurosci 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

- 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
- 2025: Secondo congresso Italiano delle core facilities, Bologna 14-15 Luglio.

Autorizzo l'Università di Verona alla pubblicazione sul sito web istituzionale ai sensi dell'Art 15 del D.Lgs 33/2013
Verona 13-05-24 Erika Lorenzetto