

**EUROPEAN
CURRICULUM
VITAE
FORMAT**



PERSONAL INFORMATION

Name

ERIKA LORENZETTO

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erika.lorenzetto@univr.it

Nationality

Italian

Date of birth

31-10-78

Place of birth

Legnago (Verona), Italy

WORK EXPERIENCE

DECEMBER 2008/ PRESENT

- Technician Cat D1 at the Department of Neurological Neuropsychological, Morphological and Motor Sciences, University of Verona. Supervisor: Prof. Mario Buffelli

Jan-Dec 2008

- Post-Doc fellowship at the Department of Pathology, University of Verona, Supervisor: Dr. Vittorina della Bianca

Jan-Dec 2007

- Post-Doc fellowship at the Department of Neurological and Visual Sciences, University of Verona. Supervisor Prof Mario Buffelli

Jan 2004-Dec 2006

- PhD in Neuroscience at the Department of Neurological and Visual Sciences, University of Verona. Supervisor Prof Mario Buffelli

EDUCATION AND TRAINING

- January 2004-December 2006
- 1997-2003
- 1997

- PhD in Neuroscience at the Department of Neurological and Visual Sciences, University of Verona. Supervisor Prof Mario Buffelli
- **Degree in Pharmaceutical Chemistry and Technology** on September, 25th 2003 with grade 110/110 magna cum laude at the University of Padua, Faculty of Pharmaceutical Sciences
- High school diploma obtained in 1997 at the "Istituto Tecnico Industriale Statale G. Silva di Porto di Legnago VR, with grade 60/60

EDUCATION AND TRAINING

MOTHER LANGUAGE

ITALIAN

OTHER LANGUAGES

ENGLISH: GOOD WRITTEN AND SPOKEN (B1 CERTIFIED LEVEL)

**TECHNICAL SKILLS
AND COMPETENCES**

Imaging, confocal and two photon laser scanning microscopy, molecular biology (PCR, mouse genotyping), cell biology (primary murine and line cultures, Western Blotting), working and maintenance of transgenic mice, immunofluorescence, fluorescence microscopy, behavioral tests (rotarod), production and purification of recombinant proteins.

Ten years of experience in confocal microscopy (Zeiss LSM510Meta, LSM 710, Leica SP5, Leica SP5 Multiphoton), 5 years of experience in Leica SP5 confocal and multiphoton microscopes as both user and teacher.

• Publications

1. Bolognin S, **Lorenzetto E**, Buffelli M. The potential role of RhoGTPases in Alzheimer disease pathogenesis. Submitted manuscript.
2. **Lorenzetto E**, Ettore 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).
3. Zorzan Simone, **Lorenzetto E**, Ettore 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)
4. Martino A, Ettore 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).
5. 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).
6. **Lorenzetto E.**, Moratti E., Vezzalini M., Sorio C. And Buffelli M. Distribution of different isoforms of Receptor Protein Tyrosine Phosphatase γ (Ptpg-RPTP γ) in adult brain: upregulation during neuroinflammation. *Brain Structure and Function*: in press (2013).
7. M. Ettore, **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.
8. 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
9. **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
10. **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.
11. 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.
12. 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

• Conferences

- Proceedings of "Society for Neuroscience" New Orleans, 13-17 October 2012, Poster presentation.
- Molecular Mechanisms in Neuroscience, Rome, Italy , 3-4 ottobre 2011, **Oral presentation and Selected Speaker Award, Symposia: Disease**.
- "8th IBRO World Congress of Neuroscience" , Florence , July 14-18, 2011 Abstract presentation
- Proceedings of "Society for Neuroscience" San Diego, Novembre 13-17, 2010 Poster presentation
- Proceedings of "Society for Neuroscience" , Chicago , October 17-21, 2009 Abstract presentation
- Congresso della Societa' Italiana di Neuroscienze (SINS), Verona September 2007, Poster presentation.
- **6th** Forum of European Neuroscience, FENS Forum, Vienna, July 2006, Poster presentation.
- VI Convegno Nazionale I.N.B.B. (Istituto Nazionale Biostrutture e Biosistemi), Napoli Novembre 2004 Poster presentation.

COURSES

- 2004: Seminario Zeiss, Microscopia Confocale e Tecniche Correlate, presso Istituto Mario Negri, Bergamo 30giugno-1luglio 2004.
- 2004: Scuola di fisiologia e biofisica 2004, 15-19 Novembre, Universita' di Padova
- 2008: Corso di microscopia tridimensionale in fluorescenza, 29 Febbraio, Universita' di Verona
- 2009: Introduzione ad un ambiente per il calcolo scientifico (MATLAB), 13-30 Gennaio, Dip. Di informatica, Universita' di Verona.
- 2011: Workshop sulla sperimentazione animale, 11-14-17 Ottobre, Universita' di Verona
- 2012: Scienza degli animali da laboratorio: allergie nel mondo dello stabulario e sicurezza sul lavoro, 7 maggio, Universita' di Verona
- 2013: Advanced Course of Confocal Microscopy, at Leica Microsystems Imaging center Mannheim, Germany, 8-11 October.

Autorizzo il trattamento dei miei dati personali ai sensi del D. Lgs. 196/03