

CURRICULUM VITAE

PERSONAL INFORMATIONS

First Name and Surname	LORENZO SCHIAFFINO
Address	VIA A. MOSSO, 32 14024 MONCUCCO TORINESE (AT)
Mobile Number	3491667657
E-mail	lorenzo.schiaffino@univr.it
Nationality	Italian
Date of birth	06/03/1989

EDUCATION and TRAINING

- **PhD in Neuroscience, Psychology and Psychiatry**
University of Verona, 2018
- **Master's degree in Medical Biotechnology**
University of Turin, 2014
- **Bachelor's degree in Biotechnology**
University of Turin, 2011
- **High school leaving qualification in scientific studies**
A. Monti, Liceo Scientifico Statale, Chieri (TO), 2008

SCIENTIFIC EXPERIENCES and SKILLS

- **Postdoctoral Fellow**
University of Verona, January 2018
- **PhD - Doctor Europaeus in Neuroscience**
University of Verona, 2014-2018
 - Relevant research experience as visitor PhD student in: "Pathological Neuro-Immune interactions in ALS". Institute de cerveau et de la moelle épinière, ICM, Paris, 13th June - 29th September 2017. Research team: **Severine Boillée**

- **Internship**

University of Turin, 2010-2014

Neuroscience Institute Cavalieri Ottolenghi, 2010-2014

MOLECULAR BIOLOGY

DNA amplification, PCR

Immunoprecipitation

Western-blot and Southern-blot assay

Purification of DNA, RNA, and proteins

CELLULAR BIOLOGY

Tissues embedded

Immunohistochemistry

Culturing primary Mesenchymal stem cells and NSC-34 motor neuron cell-like cell line (mouse)

Isolation and culturing of primary microglia cell cultures

Immunofluorescence

SURGEON

Perfusion (mouse)

Stereotaxic surgery (mouse)

Tail vein and intraperitoneal injection (mouse)

Intranasal administration (mouse)

EQUIPMENT

Optical microscope

Fluorescence microscope

Confocal

Neurolucida and Stereoinvestigator Softwares

Microtome and Cryostat

DATA ANALYSIS

Excell

Graphad Prism

COURSES

- *"MatLab"* **Giuseppe Pertini**, May-Jun,2016;
- *"Gestione della sicurezza nell'utilizzo della risonanza magnetica"* **Dott.ssa Chiara Costanzo**, March 11th, 2016;
- *"English Course"* **Speak Your Mind**, May-July,2015;
- *"Scientific Writing"* **Michael S. Goligorsky, MD, PhD**, June 8th, 2015;
- *"Corso di statistica con software R"* **Dott. Marchetti**, May 5th-26th, 2015;
- *"Utilizzo delle Cappe chimiche e biologiche"* **Paolo A. Parrello**, February 19th, 2015;
- *"Corso di formazione generale alla SSL per Lavoratori"* **Università degli Studi di Verona**, January 27th, 2015;
- *"Corso C.I.R.S.A.L. per il personale utilizzatore dello stabulario"* **Giampaolo Morbioli**, November 5th, 2014;

SEMINARS

- *"New strategies to reprogram microglia/macrophages in brain tumors: the effect of environment"* **Prof.ssa Cristina Limatola**, January 20th, 2016;
- *"Relapse to drug use: behavioral and neuronal mechanisms"* **Prof. Yavin Shaham**, September 16th,2015
- *"How stem cells signal to host immune"* **Prof. Stefano Pluchino**, MD, PhD, June 15th, 2015;
- *"Functional Rehabilitation of the Degenerative Brain using Carbon Nanotubes as Transporters of siRNA"* **Kostas Kostarelos**, May 6th,2015;
- *"Are Alzheimer's disease and dementia primarily metabolic diseases? A systems biology approach to the study of Neurodegenerative diseases"* **L. Caberlotto** (Centre for Computational and Systems Biology (COSBI), - Università di Trento). Verona 24/02/2015
- *"Visualizzazione in situ di nanoparticelle mediante tecniche citochimiche, citometriche e ultrastrutturali"* **M. Malatesta** (Università degli studi di Verona). Verona 27/01/2015
- *"Un approccio bayesiano al dolore e alla sua modulazione: effetto placebo e nuovi fenomeni"* **Dott. D. Anchisi** (Dipartimento di Scienze Mediche e Biologiche Università' di Udine). Verona 20/01/2015
- *"Adult neural stem cells are specified in microdomains"* **A. Alvarez-Buylla** (University of

California, UCSF) NICO, Orbassano 03/05/2013.

- “Autofagia e motoneurone” **F. Fornai** (Dipartimento di Ricerca Traslationale e delle Nuove Tecnologie in Medicina e Chirurgia, Università studi di Pisa) NICO, Orbassano 14/12/2013.
- **J. Watson**, Human genetics Foundation di Torino, Università di Biotechnologie, Torino 12/10/2012
- “In Difesa della Corretta informazione scientifica” **CONFERENCE** (Speakers: A. Vercelli, Univ. Torino; S. Lanteri Univ. Torino; D. Barone, Univ. Torino; B. Mautino, CICAP). 08/06/2012
- “Autophagy as a death mediator: a new target for protecting ischemic brain damage” **J. Puyal** (Département de Biologie cellulaire et de Morphologie Université de Lausanne) NICO, Orbassano 15/05/12.
- “Citron proteins in mitosis or neuronal differentiation” **F. Di Cunto** (Department of Genetics, Biology and Biochemistry, University of Torino) NICO, Orbassano 27/04/12.
- “Biology and pathology of synaptic and nerual plasticity” **WORKSHOP** (Sperakers: Matteoli M., Univ. Milano; Pizzorusso T., Univ. Firenze a CNR Pisa; Holtmaat H., Univ. of Geneva; Zagrebelsky M., University of Braunschweig). DBIOS, Torino 2/03/2012.

CONGRESS

- Immune cells and the CNS, Château de Cély, France, August 17th-19th 2017
Attendance
- New perspectives in Neuroscience: Research Results of Young Italian Neuroscientists, Naples, Italy, February 24th, 2017
Poster presentation: “The effect of epigenetic drugs on motor neurons acetylation balance for modulate transcriptional factors in murine model of ALS”
L. Schiaffino, R. Bonafede, I. Scambi, E. Parrella, M. Pizzi, R. Mariotti
- PhD day, Verona, Italy, December 15th, 2016
Poster presentation (Best poster presentation): “Neuroprotective effect of combined epigenetic drugs in amyotrophic lateral sclerosis murine model”
L. Schiaffino, R. Bonafede, I. Scambi, E. Parrella, M. Pizzi, R. Mariotti
- Gruppo Italiano per lo Studio della Neuromorfologia (GISN), Rome, Italy, November 23th-24th, 2016
Oral Presentation with Special Mention: “Epigenetic modulation in the Amyotrophic lateral

sclerosis murine model”

L. Schiaffino, R. Bonafede, I. Scambi, E. Parrella, M. Pizzi, R. Mariotti

- SPIN Signal Processing in Neurons, Innsbruck, Austria, September 26th-28th

Poster presentation: “*Neuroprotective effect of combined epigenetic drugs in amyotrophic lateral sclerosis murine model*”

L. Schiaffino, R. Bonafede, I. Scambi, E. Parrella, M. Pizzi, R. Mariotti

- 10th FENS Forum of Neuroscience, Copenhagen, Denmark, July 2th-6th 2016

Poster presentation: “*Neuroprotective effect of combined epigenetic drugs in amyotrophic lateral sclerosis murine model*”

L. Schiaffino, R. Bonafede, I. Scambi, E. Parrella, M. Pizzi, R. Mariotti

- 7th Meeting of the Forum of the Italian Researchers on Mesenchymal and Stromal Stem Cells, Milan, Italy, May 13th, 2016

Attendance

- Gruppo Italiano per lo Studio della Neuromorfologia (GISN), Rome, Italy, November 27th-28th, 2015

Oral Presentation with Special Mention: “*Epigenetic modulation in the Amyotrophic lateral sclerosis murine model*”

L. Schiaffino, R. Bonafede, I. Scambi, E. Parrella, M. Pizzi, R. Mariotti

- VI Meeting on the Molecular Mechanism of Neurodegeneration (MMN), Milan, Italy, May 8th-30th 2015

Poster presentation: “*Imaging biomarkers for amyotrophic lateral sclerosis: experimental study in a disease mouse model sod1(G93A)*”

L. Schiaffino, R. Bonafede, I. Scambi, P. Bontempi, A. Busato, P. Marzola, R. Mariotti

PUBBLICATIONS

- “Acetylation state of RelA modulated by epigenetic drugs prolongs survival and induces a neuroprotective effect on ALS murine model” **Schiaffino L.**, Bonafede R., Scambi I., Pizzi M., Mariotti R. submitted to Scientific Reports.
- “Inhibition of autophagy delays motoneuron degeneration and extends lifespan in a mouse model of spinal muscular atrophy” Piras P., **Schiaffino L.**, Boido M., Valsecchi V.,

Guglielmotto M., De Amicis E., Puyal J., Garcera A., Tamagno E., M. Soler R., Vercelli A. Cell Death, 2017, accepted Oct, 5th.

- “MRI reveals therapeutical efficacy of stem cells: An experimental study on the SOD1(G93A) animal model. “Bontempi P., Busato A., Bonafede R., **Schiaffino L.**, Scambi I., Sbarbati A., Mariotti R., Marzola P. Magn Reson Med. 2017 Mar 31th.
- “Magnetic resonance imaging of ultrasmall superparamagnetic iron oxide-labeled exosomes from stem cells: a new method to obtain labeled exosomes” Busato A., Bonafede R., Bontempi P., Scambi I., **Schiaffino L.**, Benati D., Malatesta M., Sbarbati A., Marzola P., Mariotti R. Int J Nanomedicine. 2016 Jun 1st.

WORK EXPERIENCES

- Date (From): January 2018

University of Verona

Postdoctoral Fellow

- Date (From – to): November 2014 – October 2017

University of Verona

PhD student

- Date (From – to): June 2012 – January 2013

Company Decathlon

Duty Sales Clerk

PERSONAL SKILLS

Mother tongue ITALIANO

Other language INGLESE

- Understanding level: excellent
- Writing level: excellent

- Speaking level: excellent

COMPUTER SKILLS and COMPETENCES

- Excellent knowledge of standard Microsoft office software, Internet, and E-mail.
- Excellent knowledge of Graphpad Prism 5.
- Good Knowledge machine language: Linux and Perl.
- Good knowledge web language: html e php.

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INTERESTS Literature, Philosophy, Sport.

I HEREBY AUTHORIZE THE USE OF MY PERSONAL INFORMATION ACCORDING TO THE ITALIAN
LEGISLATIVE DECREE N. 196/2003