

La sottoscritta è a conoscenza che, ai sensi dell'art. 76 del DPR 445/2000, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del Codice Penale e delle leggi speciali. Tutto ciò premesso dichiara i seguenti fatti e qualità personali:

PERSONAL INFORMATION

Roberta Schellino



📍 Neuroscience Institute Cavalieri Ottolenghi, Regione Gonzole 10; 10043, Orbassano (TO), Italy
 📞 +39 011 6706632; +39 011 6703481
 ✉️ roberta.schellino@unito.it

SCOPUS AUTHOR ID: 55250596100
 ORCID ID: 0000-0002-2504-5585

POSITION Associate Professor in Human Anatomy (BIO/16) at the Neuroscience Department “Rita Levi Montalcini”, University of Torino, Italy.

WORK EXPERIENCE

From January 2017 to October 2022 **Postdoctoral Research Assistant** position at the Neuroscience Institute Cavalieri Ottolenghi, Orbassano (TO); Department of Neuroscience “Rita Levi Montalcini”, University of Torino.
 Activities and responsibility: neuroanatomy; histology; immunohistochemistry; cell cultures; cell biology; molecular biology.

From October 2015 to October 2016 **Postdoctoral Fellowship** granted by Cavalieri Ottolenghi foundation, sponsored by Pharmafox Therapeutics, Möhlin, Switzerland, at the Neuroscience Institute Cavalieri Ottolenghi, Orbassano (TO).
 Activities and responsibility: neuroanatomy; histology; immunohistochemistry; cell cultures; cell biology; molecular biology.

From April 2014 to July 2014 **Research Fellowship** at the Department of Life Science and Systems Biology (DBIOS), University of Torino.
 Activities and responsibility: neuroanatomy; histology; immunohistochemistry; cell cultures; cell biology; molecular biology.

From January 2010 to December 2013 **PhD Research Fellowship** at the Department of Life Science and Systems Biology (DBIOS), University of Torino. Doctoral School in Neuroscience, University of Torino.
 Activities and responsibility: neuroanatomy; histology; immunohistochemistry; cell cultures; cell biology; molecular biology.

TEACHING ACTIVITIES

- From A. Y. 2025 (nov)- Present
Associate Professor in Human Anatomy at the University of Turin, for the courses: i) Anatomy and Physiology of Animal Models course, Bachelor's Degree in Biotechnology, University of Turin; ii) Human Anatomy I and II (neuroanatomy), Degree in Medicine and Surgery, School of Medicine, University of Turin. iii) ADE Virtual Cadaver Dissection, Degree in Medicine and Surgery, School of Medicine, University of Turin. iv) Anatomy, Physiology and Psychology. Bachelor's Degree in Neurophysiopathology Techniques, University of Turin. v) Propaedeutic and Biomedical sciences. Bachelor's Degree in Audiometric and Audioprosthesis Techniques, University of Turin.
- From A. Y. 2022 to 2025 (oct)
Assistant Professor in Human Anatomy at the University of Turin, for the courses: Human Anatomy, Histology and Physiology course, Bachelor's Degree in Biomedical Laboratory Techniques, Department of Public and Pediatric Health Sciences. University of Turin, Cuneo Campus. ii) Anatomy and Physiology of Animal Models course, Bachelor's Degree in Biotechnology, University of Turin; iii) Human Anatomy I and II, Degree in Medicine and Surgery, School of Medicine, University of Turin.
- From A. Y. 2016-2017 to 2021-2022
Adjunct Professor of "Neuroanatomy and Neurodevelopment" Course (SCV0484; BIO/16; 48 hours, 6 CFM), Master Degree in Biomedical Sciences (LM/6), address "Neuroscience," Università degli Studi dell'Insubria, Italy.
- From A. Y. 2019-2020 to 2021-2022
Complementary teaching activities. Discipline: Human Anatomy (BIO/16, 16 hours). Integrated course in human morphological sciences and physiology. Master Course in Dental Hygiene, University of Eastern Piedmont "Amedeo Avogadro" (UniUPO).

EDUCATION AND TRAINING

- From 16th January 2014
PhD in Neuroscience. Judgement: Excellent. Doctoral School in Neuroscience, address in "Experimental Neuroscience". Thesis Dissertation on "Role of Semaphorin7A and plexinC1 in the control of adult neurogenesis in the hippocampal dentate gyrus and the subventricular zone-olfactory bulb system". Department of Life Science and Systems Biology, and Neuroscience Institute "Cavalieri Ottolenghi" (NICO), University of Torino.
 Skills Acquired: histology; immunohistochemistry; cell cultures; cell biology; molecular biology. Replace with EQF (or other) level if relevant
- From 7th October 2009
Master degree in Neurobiology (6/S) with 110/110 *magna cum laude*. Thesis on "Integration and sensory experience-dependent activation of newly-generated neurons in the accessory olfactory bulb of female mice". Department of Life Science and Systems Biology, University of Torino.
 Skills Acquired: histology; immunohistochemistry; cell cultures; cell biology; molecular biology.
- From 26th September 2007
Bachelor degree in Biological Sciences with 110/110, at the Faculty of Life Sciences and Systems Biology, University of Torino. Thesis on Potential inhibitory role of Sorafenib drug on osteosarcome cells"; Institute for Cancer Research (IRCC) Candiolo, Torino.
 Skills Acquired: cell cultures; cell biology; molecular biology.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B2	B2	B1	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication/ Organisational / Job-related skills

Good work-autonomy and familiarity with principal laboratory tools. Good capacity in collection, analysis and interpretation of data. Experience in writing grant proposals, confident scientific verbal communication, as demonstrated by presentations at subject-related conferences, at national and international level (audiences ranged from small groups to numbers up to 100 people). Good ability in taking forward collaborative relationships at international level. Strong organizational skills, good capability to work in groups; work effectively both as team member and independently. Good attitudes to interpersonal relationships, ability to deal with problem-solving skills in efficient ways.

Digital skills

Good knowledge of Microsoft Windows Internet Explorer, Microsoft Office (Word, Excel, PowerPoint), Adobe Photoshop, NCBI database, ImageJ, NeuroLucida software, JWatcher, Inkscape, SPSS and Prism Graphpad statistical software.

ADDITIONAL INFORMATION

Publications

- 1) Pavarino G et al. (2025). An observational feasibility study on the impact of green exposure on major depressive episode symptomatology and inflammatory biomarkers. *Front Psychiatry*. 2025 Nov 10;16:1631393. doi: 10.3389/fpsy.2025.1631393.
- 2) Dallere S et al. (2025). The exposome from neurodevelopment to neurodegeneration: A narrative review. *Neurosci Biobehav Rev*. 2025 Sep;176:106247. doi: 10.1016/j.neubiorev.2025.106247.
- 3) Schellino R et al. (2024) Synergistically Acting on Myostatin and Agrin Pathways Increases Neuromuscular Junction Stability and Endurance in Old Mice. *Aging Dis*. 2024 Apr 1;15(2):893-910. doi: 10.14336/AD.2023.0713-1.
- 4) Schellino R et al. (2023). hESC-derived striatal progenitors grafted into a Huntington's disease rat model support long-term functional motor recovery by differentiating, self-organizing and connecting into the lesioned striatum. *Stem Cell Res Ther*. 2023 Jul 28;14(1):189. doi: 10.1186/s13287-023-03422-4.
- 5) Tassan Mazzocco M et al. (2023) Exploring the neuroprotective effects of montelukast on brain inflammation and metabolism in a rat model of quinolinic acid-induced striatal neurotoxicity. *J Neuroinflammation*. 2023 Feb 13;20(1):34. doi: 10.1186/s12974-023-02714-z.
- 6) Boido M et al., (2023). Agonist of growth hormone-releasing hormone improves the disease features of spinal muscular atrophy mice. *Proc Natl Acad Sci U S A*. Jan 10;120(2):e2216814120. doi: 10.1073/pnas.2216814120.
- 7) Besusso D*, Schellino R* et al., (2020). Stem Cell-Derived Human Striatal Progenitors Innervate Striatal Targets and Alleviate Sensorimotor Deficit in a Rat Model of Huntington Disease. *Stem Cell Reports*. May 12;14(5):876-891. doi: 10.1016/j.stemcr.2020.03.018. (*equal contribution).
- 8) Schellino R, et al., (2020). The Dual Nature of Onuf's Nucleus: Neuroanatomical Features and Peculiarities, in Health and Disease. *Front. Neuroanat*. 14:572013. doi: 10.3389/fnana.2020.572013.
- 9) Boido M, et al., (2020). A new protein curbs the hypertrophic effect of myostatin inhibition, adding remarkable endurance to motor performance in mice. *PLoS One*. Mar 11;15(3):e0228653. doi: 10.1371/journal.pone.0228653.
- 10) Roig-Puiggros S, et al., (2020). Construction and reconstruction of brain circuits: normal and pathological axon guidance. *J Neurochem*. Apr;153(1):10-32. doi: 10.1111/jnc.14900.
- 11) Schellino R, et al. (2019). JNK Signaling Pathway Involvement in Spinal Cord Neuron Development and Death. *Cells*. Dec 5;8(12). pii: E1576. doi:10.3390/cells8121576.
- 12) Schellino R, et al., (2018). Pharmacological c-Jun NH2-Terminal Kinase (JNK) Pathway Inhibition Reduces Severity of Spinal Muscular Atrophy Disease in Mice. *Frontiers in Molecular Neuroscience*. 11:308. doi: 10.3389/fnmol.2018.00308 2017
- 13) Oboti L, et al., (2017). Activity dependent modulation of granule cell survival in the accessory olfactory bulb at puberty. *Frontiers in Neuroanatomy*. May 23;11:44. doi: 10.3389/fnana.2017.00044.
- 14) Jongbloets BC, et al., (2017). Stage-specific functions of Semaphorin7A during adult hippocampal neurogenesis rely on distinct receptors. *Nature Communications*. Mar 10;8:14666. doi: 10.1038/ncomms14666.
- 15) Schellino R, et al., (2016). Opposite-sex attraction in male mice requires testosterone-dependent regulation of adult olfactory bulb neurogenesis. *Scientific Reports*. Oct 26;6:36063. doi: 10.1038/srep36063.
- 16) Parkash JP, et al., (2015). Semaphorin7A regulates neuroglial plasticity at the adult hypothalamic median eminence. *Nature Communications*. Feb 27;6:6385. doi: 10.1038/ncomms7385.
- 17) Peretto P, et al. (2014). The interplay between reproductive social stimuli and adult olfactory bulb neurogenesis. *Neural Plasticity*, Jul 22; 2014:497657. doi: 10.1155/2014/497657.
- 18) Oboti L, et al., (2011). Newborn Interneurons in the accessory olfactory bulb promote mate recognition in female mice. *Frontiers in Neuroscience*. 5:113; doi: 10.3389/fnins.2011.00113.

Patents and other intellectual properties

PCT Application: PCT/IB2017/057436. Title: MUSCLE PERFORMANCE IMPROVEMENT COMPOUNDS. Publication Date: 28 November 2017. Inventors: Jan Willem Vrijbloed; Marina Maria Boido, Olena Butenko, Roberta Schellino.

Conferences, seminars, scientific schools

40 National and International meetings since 2008; 24 as speaker (oral communication); 6 scientific schools; help in the organization of 5 workshops.

Memberships

Gruppo Italiano per lo Studio della Neuromorfologia (G.I.S.N.; since 2016); Società Italiana Anatomia ed Istologia (S.I.A.I.; since 2019); Società Italiana di Biologia Sperimentale (S.I.B.S.; since 2022); Società Italiana di Neuroscienze (SINS; since 2023); Society for Neuroscience (SfN; since 2023).

Projects

Part of the staff involved in research projects funded by the following funds:

- 2025. Founding Source: Unito-DNS. Project title: "Neurodegenerative diseases affecting the motor pathways: from development through pathology to repair". Origin: national fund, Local Research Fund (RILO). Role: PI.
- 2024-2025. Founding Source: PNRR MUR, cascade calls. Project Title: "A multiscale imaging approach to study early alterations in an Alzheimer's cerebral organoid (MULTIMALZ)". Origin: national funding. Responsible: Prof. Marina Boido. Role: co-PI.
- 2024. Founding Source: Unito-DNS. Project title: "Neurodegenerative diseases affecting the motor pathways: from understanding to repair". Origin: national fund, Local Research Fund (RILO). Role: PI.
- 2022-2024. Founding Source: Unito-DNS. Project title: "Study of Alterations in the Glycinergic System in a Murine Model of Spinal Muscular Atrophy (SMA)". Origin: national fund_ Grant for Internationalization. Role: PI.
- 2021-2023. Founding Source: Unito-DNS. Project title: "Mental health and urban green/blue". Origin: national fund. Responsible: Prof. Alessandro Vercelli.
- 2020-2021. Founding Source: FP7. Project title: "Neurostemcell-Reconstruct". Origin: international fund. Responsible: Prof. Annalisa Buffo.
- 2017-2020. Founding source: PRIN (MIUR). Project title: "Generation of functional striatal neurons for brain repair in Huntington Disease". Origin: national fund. Responsible: Prof. Alessandro Vercelli.
- 2017. Founding source: FP7. Project title: "NeurostemcellRepair". Origin: international fund. Responsible: Prof. Alessandro Vercelli.

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Roberta Schellino