PERSONAL INFORMATION

Paolo Marcello Peretto

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https://www.dbios.unito.it/do/docenti.pl/Show?_id=pperetto#tab-profilo
https://www.nico.ottolenghi.unito.it/Ricerca/Gruppi-di-ricerca/Neurogenesi-adulta/Ricercatori

Sex M | *Date of birth* 18/09/1963 | *Nationality* Italian

Enterprise	University	EPR
☐ Management Level	☒ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
☐ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

2016 – present

Full Professor - Comparative Anatomy and Cytology (SSD BIO06; SC 05/B2)

Dept. of Life Sciences and Systems Biology, University of Turin (Italy)

- Teaching (200 hours/year): Comparative Anatomy and Comparative Neurobiology
- Lead researcher in neurobiology
- Coaching and mentoring Post-Doctoral fellowships, PhD students, Master and Bachelor students

2015 – 2021
- Coordinator of the Master Degree in Evolution of Animal and Human Behaviour, UNITO

2021 – present
- Coordinator of the First Degree in Natural Science, UNITO

2023 – present
- Member of bioethical committee UNITO

2005 – 2016:

Associate Professor Comparative Anatomy and Cytology (SSD BIO06; SC 05/B2)

Dept. of Life Sciences and Systems Biology, University of Turin (Italy)

- Teaching (200 hours/year): Comparative Anatomy and Comparative Neurobiology
- Lead researcher in neurobiology
- Coaching and mentoring Post-Doctoral fellowships, PhD students, Master and Bachelor students

1999 - 2005

Assistant Professor Comparative Anatomy and Cytology (SSD BIO06; SC 05/B2)

Dept. of Life Sciences and Systems Biology, University of Turin (Italy)

- Researcher in neurobiology

1998

Post-doctoral fellow

Dept. of Animal and Human Biology, University of Turin (Italy)

- Cavalieri Ottolenghi Foundation's one year post-doc fellowship

EDUCATION AND TRAINING

1998 PhD in Neuroanatomy — *Exellent*

- Dept. of Veterinary, University of Turin (Italy)

1995 One year Telethon Fellow at hospital "Clinica Malattie Sistema Nervoso"

- Dept. of Neuroscience, University of Turin (IT)

1993 Master Science Degree in Biological Sciences — *110/110*

University of Turin (Italy)

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English

Job-related skills

PI of the Research Group “Adult Neurogenesis” at the Neuroscience Institute Cavalieri Ottolenghi (NICO) University of Turin (https://www.nico.ottolenghi.unito.it/Ricerca/Gruppi-di-ricerca/Neurogenesi-adulta/Ricercatori)

Principal research lines:

Long-lasting research experience on anatomical/molecular organization of the postnatal and adult neurogenic niches in the CNS of mammals. Ongoing studies: i) role of newborn neurons and olfaction in the context of reproduction and cognitive functions; ii) function of neuronal parenchymal progenitors in the striatum of adult mammals; iii) identification of neural circuits underlying sexual imprinting in female mice

Main research findings:

- Identification/characterization of the “glial tubes”, the structures that envelop and guide adult-born neuroblasts from the sub-ventricular zone to the olfactory bulb (*Peretto et al., 1997, Brain Res. Bull. 42, 9-21*).
- Identification/characterization of new neurogenic niches in the striatum of adult rabbit and postnatal guinea pig (*Luzzati et al., 2006, J. Neurosci. 26, 609-621; Luzzati et al., 2014, Development 141(21), 4065-75*).
- Identification/molecular characterization of local astroglial neurogenic progenitors in the injured mouse striatum (*Luzzati et al., 2011, PLOS ONE 6 (9) e25088, 1-16; Nato et al., 2015, Development 142(5):840-5*).
- Identification/characterization of pheromonal-dependent mechanisms in the regulation of adult neurogenesis in the accessory olfactory bulb of female mice (*Oboti et al., 2009 Eur.J. Neurosci. 29(4), 679-692*).
- Identification/functional characterization of accessory olfactory bulb newborn neurons in the context of the neuroendocrine reflex known as the “bruce effect” (*Oboti et al., 2011, Front. Neurosci. 5, p. 1-14*).
- Identification of a link among adult neurogenesis, levels of circulating testosterone, and opposite sex-attraction in male mice (*Schellino et al., 2016, Sci. Rep. 6:36063*).

Main scientific collaborations:

Dr. Paolo Giacobini, Jean-Pierre Aubert Research Center, School of Medicine, Lille (France); Prof. Luca Bonfanti, Dip. Scienze Veterinarie, Università Torino (Italia); Prof. Dustin Penn (Konrad Lorenz Institute of Ethology, Veterinary Medicine University, Vienna); Prof Sylvain Gigan (Laboratoire Kastler-Brossel Sorbonne Université, Paris).

Digital skills

Routine based applications (Office); Data analysis and graph preparation (GraphPad, SPSS); Data collection, image analysis and preparation (ImageJ, Adobe Photoshop, Adobe Illustrator, Inkscape).

Other skills

Long-lasting experience in the study of the neuroanatomical and functional aspects of sensory circuits development and of the mechanisms underlying neural plasticity in mice (adult neurogenesis). Technical skills include mouse surgery on early postnatal and adult age (for viral delivery and cranial window implantation), histological procedures (tissue fixation, sectioning, immunohistochemistry, etc), conventional microscopy (brightfield, fluorescence and confocal microscopy). Behavioural analyses related to social interaction in rodents.

ADDITIONAL INFORMATION

Publications

Total number of publications in peer-review journals: 64
Total number of citations (Scopus): 3394
H index (Scopus): 29
ORCID: orcid.org/0000-0001-5502-6476

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