

Stefano Gotti - Curriculum Vitae

Associate Professor (BIO/16, Human Anatomy), Department of Neuroscience,
University of Torino

Education:

1997. Master Degree in Biological Science, University of Torino.

2004. PhD in Neurological Science, University of Torino

Guest referee for international scientific journals:

Brain Research, Journal of, Chemical Neuroanatomy, Cell and Tissue Research,
Physiology and Behavior, Neurological Science, Histology and Histopathology,
Neurobiology of Disease, Psychoneuroendocrinology

Research Interests:

The central focus of P.I. researches is the study of the interactions among steroids and nervous circuits. Previous studies of my laboratory have investigated the role of early exposure to gonadal hormones in the differentiation of sexually dimorphic circuits and behaviors in mammals. The discovery of the involvement of neuroactive steroids (steroids produced within the brain) in several physiological activities implies that minimal alterations of steroid levels, or exposure to exogenous chemicals that can bind to steroids' receptors can have long term effects on animal and human health. The study of the effects of steroids on the nervous system has therefore high potential therapeutic perspectives. Recently we began to investigate the role of steroids in modulating postnatal and adult neurogenesis. Field of expertise: morphology, immunohistochemistry, behavior, surgical manipulation, use of transgenic models.

Scientific Societies:

Society of Behavioral Neuroendocrinology (SBN); Federation of European Neuroscience Societies (FENS); Società Italiana di Neuroscienze (SINS); Gruppo Italiano per lo studio della Neuromorfologia (GISN); Gruppo Italiano di Scienze Neuroendocrine (GISNe); Società Italiana Anatomia e Istologia (SIAI), Società Italiana di Biologia Sperimentale (SIBS)

Membership in research centers:

Neuroendocrinology lab, Neuroscience Institute Cavalieri Ottolenghi (NICO, Orbassano, Turin);

PhD program

Member of the teaching staff of the PhD course in Neuroscience, Torino

Organizing Activity:

Member of the Local organizing committee of the International Meetings Steroids and

Nervous System (Torino 2001, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2019), Member of the Educational Committee and Organizer of Virtual International Meeting Steroids and Nervous System 2021 and 2022; co-editors in the realization of the scientific contributions proceedings.

Courses Taught at the University of Torino:

Human Anatomy and Neuroanatomy (Master in Cellular and Molecular Biology, courses delivered in English)

Human Anatomy (Bachelor degree in Natural Sciences)

Human Anatomy and Eye Anatomy (Bachelor degree in Optic and Optometry)

Articles on peer reviewed journals (last 5 years)

Aspesi D, Farinetti A, Marraudino M, Morgan GSK, Marzola E, Abbate-Daga G, **Gotti S**. Maternal separation alters the reward system of activity-based anorexia rats. *Psychoneuroendocrinology*. **2021** Nov;133:105393.

Bonaldo B, Casile A, Bettarelli M, **Gotti S**, Panzica G, Marraudino M. Effects of chronic exposure to bisphenol A in adult female mice on social behavior, vasopressin system, and estrogen membrane receptor (GPER1). *Eur J Histochem*. **2021** Nov 10;65(s1).

Collantoni E, Tenconi E, Solmi M, Meneguzzo P, Marzola E, D'Agata F, **Gotti S**, Abbate-Daga G, Manara R, Favaro A. Hippocampal volumes in anorexia nervosa at different stages of the disorder. *Eur Eat Disord Rev* **2021** Jan;29:112-122.

Marraudino M, Ponti G, Moussu C, Farinetti A, Macchi E, Accornero P, **Gotti S**, Collado P, Keller M, Panzica G. Early Postnatal Genistein Administration Affects Mice Metabolism and Reproduction in a Sexually Dimorphic Way. **2021** *Metabolites*. Jul 10;11:449.

Marraudino M, Bo E, Carlini E, Farinetti A, Ponti G, Zanella I, Di Lorenzo D, Panzica GC, **Gotti S**. Hypothalamic Expression of Neuropeptide Y (NPY) and Pro-Opiomelanocortin (POMC) in Adult Male Mice Is Affected by Chronic Exposure to Endocrine Disruptors. **2021** *Metabolites*. Jun 9;11:368.

Farinetti A, Aspesi D, Marraudino M, Marzola E, Abbate-Daga G, **Gotti S**. Maternal Separation in ABA Rats Promotes Cell Proliferation in the Dentate Gyrus of the Hippocampus *Neuroscience* 446 **2020** 238–248 <https://doi.org/10.1016/j.neuroscience.2020.08.005>

Farinetti A, Aspesi D, Marraudino M, Marzola E, Amianto F, Abbate-Daga G, **Gotti S**. Sexually dimorphic behavioral effects of maternal separation in anorexic rats. *Dev Psychobiol*. **2020** Sep 9. doi: 10.1002/dev.21909.

Ponti G, Farinetti A, Marraudino M, Panzica G, **Gotti S**. Postnatal genistein administration selectively abolishes sexual dimorphism in specific hypothalamic dopaminergic system in mice. *Brain Res*. **2019** Dec 1;1724:146434. doi: 10.1016/j.brainres.2019.146434. Epub 2019 Sep 3. PubMed PMID: 31491419.

Marraudino M, Farinetti A, Arevalo MA, **Gotti S**, Panzica G, Garcia-Segura LM. Sexually Dimorphic Effect of Genistein on Hypothalamic Neuronal Differentiation in Vitro. *Int J Mol Sci*. **2019** May 18;20(10). pii: E2465. doi: 10.3390/ijms20102465. PubMed PMID: 31109056; PubMed Central PMCID: PMC6567056.

Marraudino M, Bonaldo B, Farinetti A, Panzica G, Ponti G, **Gotti S**. Metabolism Disrupting Chemicals and Alteration of Neuroendocrine Circuits Controlling Food Intake and Energy Metabolism. *Front Endocrinol (Lausanne)*. **2019** Jan 9;9:766. doi: 10.3389/fendo.2018.00766. eCollection 2018. Review. PubMed PMID: 30687229; PubMed Central PMCID: PMC6333703.

Farinetti A, Marraudino M, Ponti G, Panzica G, **Gotti S**. Chronic treatment with tributyltin induces sexually dimorphic alterations in the hypothalamic POMC system of adult mice. *Cell Tissue Res*. **2018** Dec;374(3):587-594. doi: 10.1007/s00441-018-2896-9. Epub 2018 Aug 4.

Ponti G., Farinetti A., Marraudino M., Panzica GC, **Gotti S.** "Sex steroids and adult neurogenesis in the V-SVZ" *Front Endocrinology (Lausanne)*. **2018** Apr 9;9:156. doi: 10.3389/fendo.2018.00156. eCollection 2018.

Marraudino M, Martini M, Trova S, Farinetti A, Ponti G, **Gotti S.**, Panzica GC Kisspeptin system in ovariectomized mice: estradiol and progesterone regulation. *BRAIN RES*. **2018** Jun 1;1688:8-14. doi: 10.1016/j.brainres.2018.03.014 Epub 2018 Mar 16.

Romano F, Perotto S, Cricenti L, **Gotti S**, Aimetti M. Epithelial Inclusions Following a Bilaminar Root Coverage Procedure with a Subepithelial Connective Tissue Graft: A Histologic and Clinical Study. *Int J Periodontics Restorative Dent*. **2017** Sep/Oct;37(5):e245-e252. doi: 10.11607/prd.3189.

Perotto S, Romano F, Cricenti L, **Gotti S**, Aimetti M. Vascularization and Innervation of Connective Tissue Grafts in the Treatment of Gingival Recessions: A Histologic and Immunohistochemical Study. *Int J Periodontics Restorative Dent*. **2017** Jul/Aug;37(4):551-558. doi: 10.11607/prd.3020.

Marraudino M, Miceli D, Farinetti A, Ponti G, Panzica G, **Gotti S.** Kisspeptin innervation of the hypothalamic paraventricular nucleus: sexual dimorphism and effect of estrous cycle in female mice. *J ANAT*. **2017** Mar 14. doi: 10.1111/joa.12603.

Ponti G, Rodriguez-Gomez A, Farinetti A, Marraudino M, Filice F, Foglio B, Sciacca G, Panzica GC, **Gotti S.** Early postnatal genistein administration permanently affects nitrenergic and vasopressinergic systems in a sex-specific way. *NEUROSCIENCE*. **2017** Mar 27;346: 203-215.