

Stefano Gotti - Curriculum Vitae

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

Education:

1997. Master's Degree in Biological Sciences, University of Torino.

2004. PhD in Neurological Sciences, 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 our research is the study of the interactions among steroids and nervous circuits. Previous studies in our laboratory have investigated the role of early exposure to gonadal hormones in the differentiation of sexually dimorphic circuits and behaviors in birds and 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 may have long-term effects on animal and human health. We are interested therefore in investigating the role of steroid exposure on the differentiation of brain circuits and behavior. These types of studies have high potential therapeutic perspectives.

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.

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)

Casile A, Marraudino M, Bonaldo B, Micioni Di Bonaventura MV, Nasini S, Cifani C, **Gotti S**. Novel rat model of gaming disorder: assessment of social reward and sex differences in behavior and c-Fos brain activity. *Psychopharmacology (Berl)*. **2024** Apr 5. doi: 10.1007/s00213-024-06576-y. Online ahead of print. PMID: 38575792

Fratini A, Mancini L, Liguori MG, **Gotti S**, Marchetti E. Uncovering of transplanted connective tissue graft: Clinical and histological evaluation. *Clin Adv Periodontics*. **2024** Jan 19. doi: 10.1002/cap.10278. Online ahead of print. PMID: 38240414

Bonaldo B, Casile A, Ostuni MT, Bettarelli M, Nasini S, Marraudino M, Panzica G, **Gotti S**. Perinatal exposure to bisphenol A or S: Effects on anxiety-related behaviors and serotonergic system. *Chemosphere*. **2024** Feb;349:140827. doi: 10.1016/j.chemosphere.2023.140827. Epub 2023 Nov 30.

Bonaldo B, Casile A, Montarolo F, Bettarelli M, Napoli F, **Gotti S**, Panzica G, Marraudino M. Effects of perinatal exposure to bisphenol A or S in EAE model of multiple sclerosis. *Cell Tissue Res*. **2023** May;392(2):467-480. doi: 10.1007/s00441-023-03746-w. Epub 2023 Feb 8. PMID: 36750500

Ponti G, Bo E, Bonaldo B, Farinetti A, Marraudino M, Panzica G, **Gotti S**. Perinatal exposure to tributyltin affects feeding behavior and expression of hypothalamic neuropeptide Y in the paraventricular nucleus of adult mice. *J Anat*. **2023** Feb;242(2):235-244. doi: 10.1111/joa.13766. Epub 2022 Sep 8.

Morgan GSK, Mata Y, Carrillo B, Pellón R, Collado P, **Gotti S**, Pinos H. Influence of early maternal separation on susceptibility to the activity-based anorexia model in male and female Sprague Dawley rats. *Neurosci Res*. **2022** Nov;184:54-61. doi: 10.1016/j.neures.2022.08.001. Epub 2022 Aug 8. PMID: 35948154

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.