

Special Issue

Sex Differences in the Healthy and Diseased Brain

Message from the Guest Editors

Differences in neuroanatomy, neurochemistry and brain connectivity between males and females are likely to underlie the sex-bias in susceptibility to neuropsychiatric and neurodegenerative disorders, such as autism spectrum disorder, attention-deficit hyperactivity disorder, dementia and Parkinson's disease. Evidence from clinical and basic research demonstrate that sex differences in the developing and aging brain are attributable to sex steroids, in particular, the neuroprotective actions of oestradiol (Hill. *Neurosci. Biobehav. Reviews*, 2016). However, emerging evidence indicates that the sex-chromosome genes also contribute to sex differences in the health and diseased brain (Loke et al., *Int. J. Biochem. Cell Biol.* 2015). This Special Issue, covering the influence of sex on brain structure and function in both animals and humans, will discuss the interplay between sex hormones and sex-chromosome genes in regulating brain development and function in both health and disease.

Guest Editors

Dr. Joohyung Lee

Brain and Gender laboratory, Centre for Endocrinology and Metabolism, Hudson Institute of Medical Research, Clayton, VIC 3168, Australia

Dr. Rachel Hill

Department of Psychiatry, Monash University, Melbourne, Australia

Deadline for manuscript submissions

closed (30 June 2018)



Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/11195

Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

mdpi.com/journal/

[brainsci](https://brainsci.mdpi.com)





Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



[mdpi.com/journal/
brainsci](https://mdpi.com/journal/brainsci)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA
15260, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PSYINDEX, PsycInfo, CAPlus / SciFinder, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.2 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.