



genes



an Open Access Journal by MDPI

Neurodegenerative Diseases: Modern Diagnostic Techniques and Emerging Therapeutic Perspectives

Guest Editor:

**Prof. Dr. Mariarosa Anna
Beatrice Melone**

1. Department of Medical and
Surgical Advanced Sciences
Second Division of Neurology,
Center for Rare Neurological and
Neuromuscular Diseases & Inter
University Center for Research in
Neurosciences, University of
Campania Luigi Vanvitelli,
Naples, Italy
2. Sbarro Institute for Cancer
Research and Molecular
Medicine, Department of Biology,
Center for Biotechnology,
College of Science and
Technology, Temple University,
Philadelphia, PA, USA

Message from the Guest Editor

Alzheimer's disease (AD) is the most common neurodegenerative disease, but its causes remain largely unclear. Genetic risk variants identified so far show either small effect sizes or with larger effects but are extremely rare in frequency among the population. AD's missing heritability remains therefore extensive, which has been attributed, at least partially, to mechanisms not currently investigated by traditional "single-locus" approaches, i.e., testing a single genetic variant and/or gene. In this Special Issue, we will focus on "multi-locus" approaches, i.e., the role of polygenic risk scores (PRS, i.e., the summation of multiple risk loci across the genome) and epistasis (i.e., interaction between genetic loci) in the context of AD and its endophenotypes.

Deadline for manuscript
submissions:

closed (20 December 2022)



mdpi.com/si/82418

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The
University of Alabama at
Birmingham, 1825 University
Blvd, SHEL 814, Birmingham, AL
35294-2182, USA

Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

Why not consider *Genes* for your next genetics paper?

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank: JCR - Q2 (*Genetics & Heredity*) / CiteScore - Q2 (*Genetics*)

Contact Us

Genes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](https://twitter.com/Genes_MDPI)