

## Special Issue

# Advancing Personalized Medicine: Targeting Oxidative Stress in Neurodegenerative Diseases

### Message from the Guest Editor

The rising prevalence of neurodegenerative disorders, significantly influenced by epigenetic factors, underscores the urgent need for personalized medicine approaches that integrate innovative technologies to enhance clinical treatment efficacy. Oxidative stress, which is characterized by an imbalance between reactive oxygen and nitrogen species and antioxidant defenses, plays a pivotal role in the pathogenesis of these disorders. This Special Issue will consolidate efforts from both the medical and research communities to investigate and clarify the contribution of oxidative stress in neurodegenerative diseases. We will consider original research, systematic reviews, and experimental pre-clinical and clinical studies that explore the role of personalized medicine in addressing oxidative stress in neurodegenerative disorders.

### Guest Editor

Dr. Lucia Buccarello

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2. European Brain Research Institute-Fondazione Rita Levi-Montalcini, Rome, Italy

### Deadline for manuscript submissions

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## Journal of Personalized Medicine

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## About the Journal

### Message from the Editor-in-Chief

*Journal of Personalized Medicine* is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on “omics”-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

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### Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 25 days after submission; acceptance to publication is undertaken in 5.8 days (median values for papers published in this journal in the second half of 2025).