

Special Issue

Novel Biomarkers in Alzheimer's Disease

Message from the Guest Editor

Alzheimer's disease (AD) is the most common form of dementia in the elderly, affecting about 46 million people worldwide. It is clinically characterized by the progressive deterioration of memory and other cognitive functions that results in the loss of autonomy and which ultimately requires full-time medical care. The diagnosis of AD currently relies on clinical criteria, including mental status assessment, neurological examination, and brain imaging tests. However, these imaging methods are conclusive only in the advanced stages of disease, whereas AD physiopathology begins several decades before onset of the first symptoms. It is therefore particularly important to identify potential biomarkers that can be used in the early detection of AD, i.e., before clinical signs appear, as well as to evaluate the efficiency of therapeutic agents under testing and to thus accelerate the therapeutic discovery process. In this Special Issue, the current knowledge as well as future perspectives on the role of biomarkers in screening, diagnosis, treatment and follow-up of Alzheimer's disease will be discussed.

Guest Editor

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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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