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Advances of Amyloid- β Dynamics in Health and Diseases

Guest Editor:

Dr. Rahat Ullah

1. Department of Pharmaceutical Sciences, OU College of Pharmacy, University of Oklahoma Health Sciences, 1110 N. Stonewall Avenue, Room No. 259, Oklahoma City, OK 73117, USA

2. Postdoctoral Research Fellow, Department of Neurosciences, Institute for Cell Engineering, School of Medicine, Johns Hopkins University, 733 North Broadway, MRB 720, Baltimore, MD 21205, USA

Deadline for manuscript submissions:
closed (28 February 2026)

Message from the Guest Editor

Dear Colleagues,

Neurodegenerative diseases, including Alzheimer's disease (AD) and cerebral amyloid angiopathy (CAA), are characterized by impaired amyloid- β clearance, leading to amyloid- β accumulation. The goal of this Special Issue is to look at the molecular mechanisms that explain the dynamics of amyloid- β and how they relate to neurodegeneration (AD, CAA). We are currently seeking the submission of papers (original research, review articles, mini review articles, and opinions) that investigate multiple mechanisms in the brain and periphery that are involved in the metabolism and clearance of amyloid- β . Interest areas include the blood–brain barrier dynamics, interstitial fluid flow, glial and neuronal cell involvement, enzymatic and non-enzymatic clearance mechanisms, and the interconnections of peripheral organs. Furthermore, there is tremendous potential for research on new targets for preventing amyloid- β deposition and innovative therapeutic approaches to improve amyloid- β clearance. The goal of this Special Issue is to address research gaps, improve understanding of AD pathophysiology, and provide effective strategies for treatment





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Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and
Center for Clinical Research
Learning, Spaulding
Rehabilitation Hospital and
Massachusetts General Hospital,
Harvard Medical School, Boston,
MA 02114, USA
2. Department of Epidemiology,
Harvard T.H. Chan School of
Public Health, Boston, MA 02115,
USA

Message from the Editor-in-Chief

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Biomedicines Editorial Office
MDPI, Grosspeteranlage 5
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