PUBLISHER CORRECTION



Publisher Correction to: Adenosine receptor signalling in Alzheimer's disease

Phuc N. H. Trinh^{1,2} · Jo-Anne Baltos^{1,2} · Shane D. Hellyer¹ · Lauren T. May^{1,2} · Karen J. Gregory^{1,3,2}

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Abstract

Alzheimer's disease (AD) is the most common dementia in the elderly and its increasing prevalence presents treatment challenges. Despite a better understanding of the disease, the current mainstay of treatment cannot modify pathogenesis or effectively address the associated cognitive and memory deficits. Emerging evidence suggests adenosine G protein-coupled receptors (GPCRs) are promising therapeutic targets for Alzheimer's disease. The adenosine A1 and A2A receptors are expressed in the human brain and have a proposed involvement in the pathogenesis of dementia. Targeting these receptors preclinically can mitigate pathogenic β -amyloid and tau neurotoxicity whilst improving cognition and memory. In this review, we provide an accessible

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Lauren T. May lauren.may@monash.edu

Karen J. Gregory karen.gregory@monash.edu

> Phuc N. H. Trinh phuc.trinh@monash.edu

Jo-Anne Baltos joanne.baltos@monash.edu

Shane D. Hellyer shane.hellyer@monash.edu

- ¹ Drug Discovery Biology, Monash Institute of Pharmaceutical Sciences, Monash University, Parkville, VIC 3052, Australia
- ² Department of Pharmacology, Monash University, Parkville, VIC 3052, Australia
- ³ ARC Centre for Cryo-Electron Microscopy of Membrane Proteins, Monash Institute of Pharmaceutical Sciences, Parkville 3052, Australia

summary of the literature on Alzheimer's disease and the therapeutic potential of A1 and A2A receptors. Although there are no available medicines targeting these receptors approved for treating dementia, we provide insights into some novel strategies, including allosterism and the targeting of oligomers, which may increase drug discovery success and enhance the therapeutic response.

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It was unintentionally published in issue 18, 359–381 (2022). You can access the article via this link: https://link. springer.com/article/10.1007/s11302-022-09883-1. We apologise for the inconvenience.

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