

Special Issue

Novel Target for Pharmacological Treatment of Epilepsy

Message from the Guest Editor

Epilepsy impacts approximately 65 million individuals across the globe. Roughly 30% of epilepsy patients do not respond well to antiseizure (antiepileptic) medications, leading to the significant therapeutic challenge of managing pharmacoresistant epilepsy. There is an urgent need for the development of more effective epilepsy treatments in order to increase the proportion of patients experiencing life without seizures. Existing drugs target known molecular mechanisms, but the discovery of novel targets and their corresponding ligands holds promise for developing innovative medications, with additional mechanisms of action targeting pharmacoresistant epilepsy. This Special Issue welcomes research on the discovery of new molecules demonstrating antiepileptic and antiepileptogenic effects. It will also place particular emphasis on potential targets to enable the treatment of benzodiazepine-resistant prolonged seizures. Authors are encouraged to submit original research articles and comprehensive reviews based on in vitro experiments, animal models of seizures with a focus on antiepileptic and antiepileptogenesis molecules, and clinical studies.

Guest Editor

Dr. Tanveer Singh
College of Medicine, Texas A&M University, Bryan, TX, USA

Deadline for manuscript submissions

closed (30 April 2024)



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Pharmaceuticals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceuticals@mdpi.com

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

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