



Current Challenges and Advances in the Treatment of Epilepsy

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Message from the Guest Editors

Epilepsy affects 1 to 2 percent of the global population and over 6 million people in Europe, being one of the most common causes of morbidity due to neurological conditions.

Despite the approval of over 20 antiseizure drugs, none of these drugs prevent epilepsy, and 30% of patients remain refractory to current available treatment. In addition, more than 30% of treated patients experience adverse events that compromise their quality of life. Epilepsy is particularly destructive in young children, in whom frequent seizures contribute to intellectual disability and autistic behavior.

Treatment of epilepsy is no longer exclusively pharmacologic. Identification of epilepsy biomarkers and understanding underlying mechanisms of epileptogenesis allow for the use of precision medicine, which is designed for specific conditions, specific groups of patients or individuals.

With this Special Issue, we hope to encourage submissions that address the current state of the art in epileptology and that indicate new areas for future research in the field.





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