




# 第16回パラレル脳研究部門 勉強会・セミナー

## Development of novel therapeutics for treating temporal lobe epilepsy



### Speaker: Dr. Geoff Lau

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Date: May 31st, 2024, 16:30~17:30

Place: Noda Campus K407 (Zoom available)

Classical medications for neurological and psychiatric disorders target neurons and synapses for symptom relief, yet many patients remain unresponsive. Chronic brain inflammation is implicated in various disorders, with connexin hemichannels exacerbating inflammation by leaking molecules like glutamate and ATP. Targeting these hemichannels may effectively reduce neuroinflammation and symptoms. Our recent work focuses on developing a small-molecular inhibitor of connexin hemichannels with promising potential for treating disorders like temporal lobe epilepsy (TLE). Additionally, we're exploring chemogenetic strategies to alleviate TLE symptoms by manipulating specific olfactory cortical circuits. Our aim is to develop new therapeutics for patients in need.

**本セミナーは学部生、大学院生の聴講も歓迎します**

主催：パラレル脳センシング技術研究部門

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Zoom ID等は後日パラレル脳の先生方にメールでお伝えします。

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