

Clinical Perspectives of Neurological Disorders (2025)

Time: 10:00-12:00, Wednesdays/Thursdays (please check the date)

Room: AS campus- B106, Interdisciplinary Research Building, Academia Sinica

Credit: 2 (offered in NTU, NYCU, NCKU, NCU)

Course Organizer: Dr. Chih-Cheng Chen & Dr. Hung Chih Kuo

Description:

As society ages, the number of patients suffering from neurological disorders are increasing. The investigation of development and degeneration of neurological disorders is hence important in both basic and clinical neurosciences. However, the integration from pathogenic mechanism studies to clinical aspects such as diagnosis and therapy, and human genetic studies underlying these disorders is still awaiting further effort.

This course focuses on the clinical perspectives of common and important neurological disorders. The aim is to provide students with clinical aspects of the disorders that could be incorporated in their research thinking and studies, eventually leading to integrated resolutions for prevention and therapy. The course is provided by a group of medical doctors who are also devoted to scientific research for specific neurological disorders. Their research accomplishment, knowledge and views can inspire new perspectives for generating research hypothesis and innovations to enhance our understanding of disease mechanisms as well as improving life quality for the human being.

Lecture	Topic	Lecturer
3/19(Wed)	The clinical presentations and pathogenic mechanisms of disease: Ischemic strokes	Sung-Chun Tang 湯頌君 <i>National Taiwan University Hospital</i>
3/27	Autism spectrum disorder (ASD): from bench to bedside	Yawei Cheng 鄭雅薇 <i>National Yang Ming Chiao Tung University Hospital</i>
4/10	The clinical presentations and pathogenic mechanisms of disease: Motor neuron disease	Li-Kai Tsai 蔡力凱 <i>National Taiwan University Hospital</i>
4/24	Exploring the Pathogenesis of ALS (NPAS Mini-Symposium)	Bryan J. Traynor <i>National Institutes of Health</i> Ho Yin Edwin Chan <i>The Chinese University of Hong Kong</i>
5/7(Wed)	Modeling human neural development and neurodegenerative diseases by organoid approach (NPAS Mini-Symposium)	Hongjun Song, <i>University of Pennsylvania</i> Guo-li Ming, <i>University of Pennsylvania</i>
5/28(Wed)	Essential tremor	Ming-Kai Pan 潘明楷 <i>College of Medicine, National Taiwan University</i>
5/29	Bridging the Gap: From Basic Research to Drug Development in Neurodegeneration	Ching Pang Chang 張敬邦 <i>Biomedical Translation Research Center (BioTReC), Academia Sinica</i>