

presents a seminar

Lipidomics, Immunometabolism, and the Regulation of Neuroinflammation during Neurodegenerative Diseases

Prof. Eugene D. Ponomarev

Associate Professor, Department of Biology

School of Sciences and Humanities

Nazarbayev University

Nur-Sultan City, Republic of Kazakhstan



Date : 19 December 2022 (Monday)

Time : 11:00am - 12:30pm

Venue: 1B-G04, G/F, Block 1, To Yuen Building

Biography

Prof. Eugene D. Ponomarev is currently appointed as an Associate Professor to the Department of Biology, School of Sciences and Humanities, Nazarbayev University, and his research interests are related to the immunological aspects of inflammation in the central nervous system (CNS) associated with neurodegenerative diseases such as multiple sclerosis, Alzheimer's disease, traumatic brain injury, and epilepsy. Prof. Ponomarev is the pioneer who discovered the important role of glycolipids and platelets in the regulation of neuroinflammation. Currently, Prof. Ponomarev is investigating the role of HDL-associated lipids in the regulation of M2 macrophage activation and immunometabolism.

Previously, Prof. Ponomarev accomplished his postdoctoral training in neurology and immunology at the Blood Center of Wisconsin (Medical College of Wisconsin) and Harvard Medical School (Harvard University and Brigham and Women's Hospital) in the USA. He was later appointed as an Assistant Professor at Brigham and Women's Hospital, Harvard Medical School, and then at the School of Biomedical Sciences, Faculty of Medicine, the Chinese University of Hong Kong. Prof. Ponomarev's research has international recognition in the field of neuroinflammation and neurodegeneration, and he published more than 50 peer-reviewed scientific articles (20 as a last/corresponding author) in top international academic journals such as the Journal of Immunology (IF=5), Frontiers in Immunology (IF=8), Journal of Neuroscience (IF=7), Brain, Behavior, and Immunity (IF=19), Frontiers in Cellular Neuroscience (IF=6), Neurobiology of Aging (IF=5), Circulation Research (IF=23), Nature Medicine (IF=25), etc.

The latest high-profile paper was published in Progress in Neurobiology (IF=12) in 2020. Prof. Ponomarev's publications have been cited more than 5500 times with an h-index 29/27/27 (Google Scholar/Scopus/WoS). Prof. Ponomarev is serving as an editorial board member for the Immunology & Cell Biology (journal of an Australian Immunological Society, IF=5) and Biomolecules (IF=5) journals, and as a reviewer for many top academic journals such as Nature Communications. The results from Prof. Ponomarev's laboratory were presented at numerous international conferences and academic institutions around the world. All directions of the research program of Prof. Ponomarev's laboratory are supported by prestigious NIH-RO1, RGC (ECS, GRF, CRF, and AoE schemes), and HMRF grants from the US and Hong Kong Governments, and by many other competitive grants from various sources in other countries.

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All are welcome!