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The NO-Age and NO-AD Seminar Series 066

C/EBPb/AEP signaling Drives Neurodegenerative Diseases and Aging

by

Prof. Keqiang Ye

Department of Biology, Shenzhen Institute of Advanced Technology, Shenzhen, China

at

14:00-15:15 (CET), Monday, 24th April. 2023

Register in advance:

https://uio.zoom.us/webinar/register/WN_cxJEYLgURFy_1Agw8FhjTQ

Evandro F. Fang (UiO), Jon Storm-Mathisen (UiO), Lene Juel Rasmussen (KU), W.Y. Chan (CUHK)

Queries: e.f.fang@medisin.uio.no

Previous recorded talks are available here: https://noad100.com/videos-previous-events/

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Speaker: Prof. Keqiang Ye

Title: C/EBPb/AEP signaling Drives Neurodegenerative Diseases and Aging

Abstract:
To be updated

Biography:
Dr. Ye received his undergraduate training in Organic Chemistry at Jilin University (BS, 1990); Graduate training in Polymer Chemistry at Beijing University (MS, 1993); and Graduate training in Biochemistry at Emory University, Atlanta, Georgia, USA (Ph.D. 1998); Postdoctoral training with Dr. Solomon H. Snyder at Johns Hopkins University (1998-2001). At the end of 2001, he joined the faculty of Emory University, Atlanta, GA, USA (Assistant Professor in Department of Pathology and Laboratory Medicine, 2001-2007; Associate professor, 2007-2010; Full Professor, 2010-August, 2021). He is now an endowed professor and department head of Biology at Shenzhen Institute of Advanced Technology (SIAT), Shenzhen, China. Dr. Ye is the recipient of numerous professional honors. He has published approximately 260 papers with numerous papers in top journals including: Cell, Nature, Nature Medicine, Nature Cell Biology, Nature Neuroscience, Nature Comm. Neuron, Mol. Cell, EMBO J, PNAS etc. His lab mainly focuses on molecular mechanism in neurodegenerative diseases and drug discovery. He identified numerous novel TrkA and TrkB agonists. These small molecules exhibit potent neurotrophic effect and display great therapeutic potentials for various neurological diseases including Alzheimer's disease (AD) and Parkinson's disease (PD). He also found that AEP acts as a delta-secretase that cleaves both APP and Tau and mediates AD pathogenesis. It is an innovative drug target for treating AD and PD. His lab has identified the small molecular inhibitors that display promising therapeutic efficacy toward these neurodegenerative diseases. His lab discoveries support the hypothesis that C/EBP□/AEP signaling acts as a crucial driving factor for neurodegenerative diseases and aging.