U. of Oslo | U. of Copenhagen | Chinese U. of Hong Kong | Norwegian U. of Science and Technology | K.G. Jebsen Centre for Alzheimer's Disease | Kavli Institute for Systems Neuroscience | NO-Age | NO-AD | MIT-AD

The NO-Age and NO-AD Seminar Series 023

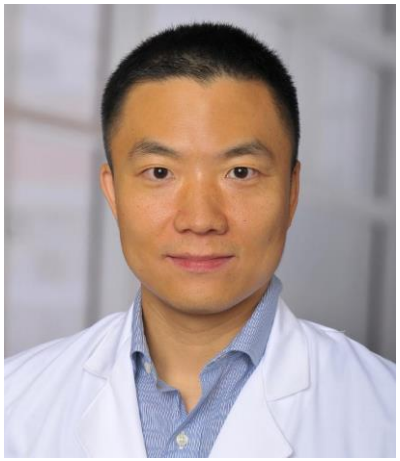
06th Sep 2021

14:00-15:15 (CET): 'Mitophagy detection approaches and the linkages of mitophagy in health and disease' (tentative) *by* **Assistant Prof. Nuo SUN** College of Medicine, The Ohio State University, USA

15:30-16:45 (CET): **Assistant Prof. Bin Xu,** Ábeta-based drug development for Alzheimer´s disease´(tentative), North Carolina Central University, Durham, NC, USA.

Register in advance for this webinar:
https://uio.zoom.us/webinar/register/WN_bMs6sfRwQyCTA_ne5Ues7A

Organizers:
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/



Name: Nuo Sun
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Lab: https://medicine.osu.edu/find-faculty/non-clinical/physiology-and-cell-biology/nuo-sun
Photo:OSUMC

Speaker: Nuo Sun

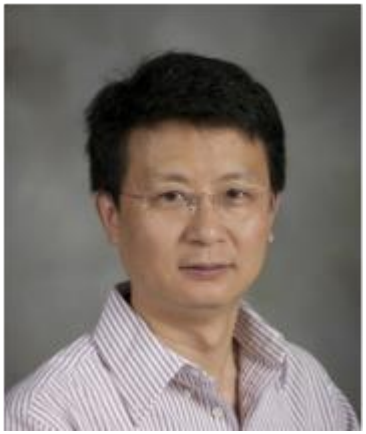
Title: 'Mitophagy detection approaches and the linkages of mitophagy in health and disease' (tentative)

Abstract:
To be updated

Biography:
The phenomenon of aging is an intrinsic feature of life. However, aging itself remains the greatest risk factor for all major life-threatening disorders, including Alzheimer's disease, Parkinson's disease, and cardiovascular disease.

A decline in mitochondrial quality and activity has been associated with normal aging and correlated with the development of a wide range of age-related diseases. Our lab has a great passion to investigate how mitochondria participate in aging, and to explore effective interventions to counteract aging and aging related diseases. We focus on mitochondrial functions and mitophagy in cardiac physiological and pathophysiological conditions, using novel methodology to quantify in vivo mitophagy and analyze how mitophagy is altered under a host of varying environmental and genetic perturbations.

We also seek to elucidate molecular pathways regulating mitophagy using cellular, genetic, and biochemical approaches, as well as genome-scale CRISPR-Cas9 activation/repression screening and high-content image-based chemical screening. The laboratory work ranges from molecular biology to systems physiology using multiple genetically modified mouse models and iPSC technology.



Name: Bin Xu
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https://binxulab.weebly.com/members.html
Photo: from the speaker

Speaker: Bin Xu

Title: Ábeta-based drug development for Alzheimer´s disease´(tentative)

Abstract:
To be updated

Biography:
Principal Investigator (2019-Present): BRITE Research Institute, Durham, NC
Assistant Professor of Pharmaceutical Sciences (2019-Present): North Carolina Central University, Durham, NC
Co-Director, Neurobehavioral Core (2020-Present): North Carolina Central University
Affiliated Program Faculty (2020-Present): Duke University Comprehensive Stroke Center, Durham, NC
Assistant Professor of Biochemistry (2011-2019): Virginia Tech
Postdoctoral Research Fellow: Fred Hutchinson Cancer Research Center
Ph.D., Biochemistry: Case Western Reserve University