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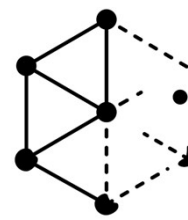
香港中文大學

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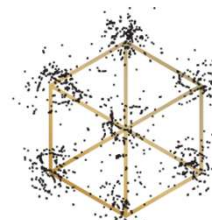


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K.G. Jebsen Centre for
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NO-Age



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The NO-Age and NO-AD Seminar Series # 86

***‘Understanding the novel regulatory mechanisms of mitophagy
by focusing on PINK1’***

by

Prof. Han-Ming Shen

Chair Professor and Interim Associate Dean (Teaching)
Faculty of Medicine, University of Macau, China

at

14:30-15:30 (CET), Friday, 2nd Oct. 2026

Location: Seminarrom S102.014, Ahus

Online: <https://uio.zoom.us/j/63533453651>

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

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



Name: **Prof. Han-Ming Shen**

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University of Macau, China

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Speaker: Prof. Han-Ming Shen

Title: Understanding the novel regulatory mechanisms of mitophagy by focusing on PINK1

Abstract:

Mitophagy is a selective form of autophagy for clearance of damaged mitochondria via the autophagy-lysosome pathway. Among various mitophagy regulatory mechanisms, PINK1, a protein kinase, and Parkin, an E3 ligase, are two critical players, with important implications in neurodegenerative disorders such as Parkinson's disease (PD). In this presentation, I will cover some of our recent work focusing on O-GlcNAcylation and PARylation of PINK1 as a novel forms of post-translational modifications in control of PINK1 activation in response to acute mitochondrial damage. Our results thus provide a deeper insight into the molecular mechanisms in control of PINK1, the guardian of mitochondria and lay foundation for development of novel interventional strategies in PINK1 and mitophagy-related human diseases such as neurodegeneration and cancer.

Biography:

Dr. Han-Ming Shen is currently a Chair Professor and Interim Associate Dean (Teaching), Faculty of Medicine, University of Macau (UM). He received his Bachelor of Medicine, Master of Medicine from Zhejiang Medical University, and PhD from National University of Singapore (NUS). He then received his postdoc training at both NUS and National Cancer Institute, National Institutes of Health, USA. Prior to his current appointment at UM, he developed his academic career in NUS, from Assistant Professor to Full Professor. His research is focused on the autophagy-lysosome pathway, mitophagy, as well as on glucose metabolism in cancer cell biology. Over the years, he has received numerous academic awards, including the researcher of the year award and best mentor award from Yong Loo Lin School of Medicine, NUS. He has more than 280 publications in peer-reviewed scientific journals with a total citation >53,000 and H-index at 112 (Google Scholar). He has been repeatedly listed as "World's **Top 2% Most-Cited Scientists**" by **Stanford University** and in the list of Best Biology and Biochemistry Scientists 2026 ranked #18 in China and #955 Worldwide by Research.com. Currently, he serves as the Associate Editor for Autophagy, and as member of editorial board for several other journals such as Life Metabolism, Burns & Trauma, and Research Future.