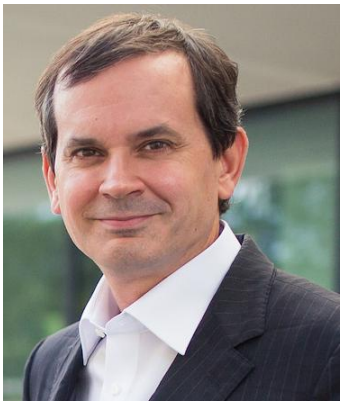
Seminar

Nicotinamide riboside enhances dietary restriction responses improving proteostasis, stem cells, and lifespan in old mice

K. Lenhard Rudolph is full professor and group leader at the Leibniz Institute on Aging – Fritz-Lipmann Institute (FLI) in Jena. His team investigates early life influences (during development) that impinge on epigenetic memory and the pace of aging during adulthood. He seeks interventions that can, when started in late life, lead to improvements in health and lifespan. This work focuses on dietary restriction (DR) – the best proven intervention increasing lifespan across species, which however, fails to do so when started in already old animals. He will introduce a new study demonstrating that Nicotinamide riboside – a bioavailable precursor of NAD - enhances dietary restriction responses in old mice enabling DR to improve proteostasis, stem cell function, and lifespan.

Dr. K. Lenhard Rudolph

Professor and group leader at the Research Group on Stem Cell and Metabolism Aging,
Leibniz Institute on Aging , Germany



Time and Date
13:30-14:30
Friday, October 3, 2025

Venue
Biken Hall, 1F Main building,
Research Institute for Microbial Diseases (RIMD)
The University of Osaka

※ This seminar is a credit seminar for the Graduate School of Medicine and Graduate School of Frontier Biosciences
(No registration required)

RIMD
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