

Résumé (Evandro F. Fang, University of Oslo)

The Evandro F. Fang group are investigating the molecular mechanisms of human aging, age-predisposed Alzheimer's disease (AD), and artificial intelligence (AI)-based drug development for pathological ageing and AD. After finished his Ph.D. training in Biochemistry with Chair Professor Tzi Bun Ng at The Chinese University of Hong Kong in 2012, Fang started a 5-year postdoctoral fellowship at the National Institute on Aging USA with Professor Vilhelm Bohr on DNA repair and mitophagy in accelerated ageing, and with Professor Mark Mattson on NAD⁺ in neurodegeneration. In September 2017, he established his independent laboratory at The University of Oslo, Norway (<https://evandrofanglab.com/>). His laboratory is focusing on the molecular mechanisms of how cells clear their damaged and aged mitochondria, a process termed "mitophagy", as well as the roles of mitophagy in AD. NAD⁺ is a fundamental molecule in life and health, and his group is investigating the molecular mechanisms on how NAD⁺ alleviates ageing and age-predisposed neurodegeneration, especially AD. He is fascinated with and actively engaged in moving his laboratory findings to translational applications, as involved in 4 NAD⁺-based clinical trials, with the overarching goal to establish novel and safe biological approaches to promote longer and healthier human lives.

He has published over 70 papers in international peer-reviewed journals including papers in *Cell*, *Cell Metabolism*, *Nature Reviews MCB*, and *Nature Neuroscience*. He has received several awards including The NIH Fellows Award for Research Excellence 2014, 2015, the Butler-Williams Scholar on Aging 2016 (USA), a FRIMEDBIO Young Research Talent 2017(Norway), a finalist of the 2017 ERC Starting grant, and the Norwegian Cancer Society Pink Ribbon 2020 Award. On 28th Feb 2020, he received the **DKNVS 'scientific award to young scientist in the natural sciences for 2020'** (DKNVS' vitenskapelige pris til yngre forskere innen naturvitenskap for 2020), by The Royal Norwegian Society of Sciences and Letters / Det Kongelige Norske Videnskabers Selskab (DKNVS) (<https://evandrofanglab.com/2020/01/09/no-age-members-honor-dknvs-awards/>).

Associate Professor Evandro F. Fang works on the molecular mechanisms of ageing and how ageing affects Alzheimer's disease (AD) at The University of Oslo, Norway (<https://evandrofanglab.com/>). His team discovered defective mitophagy as a contributor of AD and has been working on the underlying molecular mechanisms and related drug development. He has received several awards including The NIH Fellows Award for Research Excellence 2014, 2015, an awardee of the Butler-Williams Scholar on Aging 2016 (USA), a FRIMEDBIO Young Research Talent 2017(Norway), a finalist of the 2017 ERC Starting grant, and an awardee of the Norwegian Cancer Society Pink Ribbon 2020 grant .