

Biosketch - Gunnar K. Gouras

Gunnar Keppler Gouras received his doctor of medicine from Columbia University (1989), neurology residency training at Harvard Medical School (1995), fellowship training in behavioral neurology and dementia at Cornell University Medical College (1997), and postdoctoral research training at Johns Hopkins University School of Medicine, Cornell University Medical College and Rockefeller University. He received an NIH KO8 clinical scientist development award at Rockefeller in 1999 with Paul Greengard (Nobel laureate, 2000) as his mentor. In 2008 Dr. Gouras was promoted to professor of neurology and neuroscience at Weill Cornell Medical College in New York, NY. In 2011 he was appointed Professor of Experimental Neurology and group leader of the Experimental Dementia Research Unit in the Department of Experimental Medical Science in the Faculty of Medicine at Lund University. Among past leadership positions, from 2012-2021 he was head of the Neurobiology section, from 2015 to 2020 coordinator of the Multidisciplinary Research Environment on Parkinson's disease and related disorders MultiPark at Lund University, and 2016 to 2020 coordinator of the EU Horizon 2020 Marie Skłodowska-Curie ITN consortium SynDegen.

The focus of his lab is to elucidate the mechanism(s) of early synapse dysfunction in Alzheimer's disease (AD) and related neurodegenerative disorders. His group was the first to report on: intraneuronal β -amyloid ($A\beta$) accumulation in Down syndrome and AD; accumulation of $A\beta$ in endosomes and synapses in AD; $A\beta$ -dependent reduction in glutamate receptors and PSD-95 at synapses, and $A\beta$ -dependent impairment in the ubiquitin proteasome system and in the multivesicular body (MVB) sorting pathway in AD primary neuron models; and the requirement of $A\beta$ antibody internalization into neurons as a mechanism for $A\beta$ reduction and synaptic protection in $A\beta$ immunotherapy for AD.

Past honors include the Paul Beeson Physician Scholars in Aging Research award (2000) from the American Federation for Aging Research, the Merck Young Investigator Award in Alzheimer's disease from the American Academy of Neurology (2001), Temple (2003) and Zenith (2007) awards from the Alzheimer's Association (USA), and Oskar Fischer bronze medal award (double-blind review process for international competition for a comprehensive theory of Alzheimer's disease) from the University of Texas at San Antonio in 2022

He is member of several editorial boards, including ACTA Neuropathologica (2009-) and Neurobiology of Aging (2015-). For publications listing see Gouras G in PubMed; for citations see Gunnar Keppler Gouras in Google Scholar; ORCID - ID is 0000-0002-5500-6325.