CRC 1507

LECTURE ANNOUNCEMENT

Prof. Dr. Maki Tsujita
Department of Molecular Oncology
Nagoya City University

will give a lecture on

SUDDEN DEATH SYNDROME AND LIPID DISORDERS

TUESDAY, FEBRUARY 25, 2025
12:30
BIOCENTER, N100 / 114

FOR LINK TO REMOTE ACCESS, SCAN CODE BELOW

SCAN ME

Contact: crc1507-GuestSpeaker@dlist.server.uni-frankfurt.de

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Talk synopsis

“Death within 1 hour of symptom onset if witnessed, or within 24 hours of being observed alive and asymptomatic if unwitnessed” is the WHO definition of sudden death. This lecture consists 2 cases of dyslipidaemia causing sudden death. The first half will focus on "Low plasma HDL-C, hypoalphalipoproteinemia". The mechanism by which glucocorticoids are significantly reduced due to a decrease in HDL-C, causing transient acute hypoglycaemia (Tsujita et al. NMJ 2003, Tsujita et al. JAT2023). The second half will be entitled "Triglyceride cardiac vasculopathy (TGCV, ORPHA code: 565612): new concept of atherosclerosis". This causes arrhythmias due to TG accumulation in cardiomyocytes. This is an intractable disease until recently in which TG accumulates ectopically in cells due to metabolic abnormalities of LCFA.

Short bio

Dr. Maki Tsujita, PhD, PhD, FAHA, is a Junior Associate Professor at the Department of Molecular Oncology, Nagoya City University Graduate School of Medical Sciences. She became an Assistant Professor in the Department of Biochemistry, Kagawa Medical School in 1993 and she took a concurrent position as a postdoctoral fellow in the Lipids and Lipoprotein Research Group at the University of Alberta, Canada until 1996 and became a faculty at Nagoya City University Graduate School of Medical Sciences.
Dr. Tsujita has studied the molecular mechanism of nascent HDL, nanodisc HDL, generation for last 30 years. She discovered that the drug probucol is an inhibitor of the ATP binding cassette A1 (ABCA1) transporter, revealing that ABCA1 is responsible for plasma HDL assembly. She received an International Collaboration Journals Award in 2019 from Nagoya City University, and the Paul Dudley White International Scholar Award in 2021 from The American Heart Association. She is an executive secretary of the Japan transporter Research Association, and a delegate member of the Japan Circulation Society in 2024-2025.