

LSI NEUROBIOLOGY PROGRAMME SEMINAR 2022

Date: 3 October 2002, Monday

Time: 3pm

Venue: Centre for Life Sciences, Seminar Room 2

Host: Professor Ong Wei Yi

Heavy Handling of Aging and Neurodegeneration

Lipid peroxidation is the worst type of oxidative damage due to its self propagating, chain reaction format. This type of damage is pronounced in multiple retinal and neurological indications, as well as in the diseases of aging. An approach to mitigate the damage by deuterating the oxidation prone sites within polyunsaturated fatty acid molecules (PUFA) will be discussed, and illustrated with data from various models and human clinical trials.



Dr. Mikhail Shchepinov
Chief Scientific Officer,
BioJiva (formerly Retrotope) Inc

Mikhail was a postdoc in the Department of Biochemistry, University of Oxford, UK, between 1995 to 2000. From 2000 to 2022, he worked in the biotech industry. At Retrotope (since 2006), he has focused on the use of stable isotopes as a reinforcement method to mitigate neurological diseases and age-related oxidative stress. He holds a PhD degree in bioorganic chemistry from the Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Moscow

