



Liver-Brain interface

Implications for lifestyle-related diseases

Varna, Bulgaria, 14 – 16 November 2025

PROGRAMME

Thursday, November 13th 2025

20:00 Speakers' welcome dinner

Friday, November 14th 2025

15:00 Registration

16:00 Welcome address and opening

16:30 – 17:15 **Tetsumori Yamashima** (Kanazawa, Japan)
Implication of vegetable oil-derived hydroxynonenal for lifestyle-related diseases

17:15 – 18:00 **Eishiro Mizukoshi** (Kanazawa, Japan)
The role of hydroxynonenal in the progression of Metabolic Dysfunction Associated Steatohepatitis (MASH)

18:30 **Reception**

Saturday, November 15th 2025

09:00 – 09:45 **Andreana P. Haley** (Austin, Texas, USA)
Dietary modulation of the Liver-Brain Axis in Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD): proof-of-concept and future directions

09:45 – 10:30 **Alessandro Pinto** (Rome, Italy)
Modulation of Liver-Brain Axis: the diet's role, with particular reference to the Mediterranean dietary pattern

10:30 – 11:00 **Coffee break**

11:00 – 11:45 **Hirofumi Tanaka** (Austin, Texas, USA)
Vascular dysfunction at the nexus of cognitive decline and Metabolic Dysfunction - Associated Steatotic Liver Disease (MASLD): implications for exercise-based prevention

11:45 – 12:15 **Marco Fiore** (Rome, Italy)
Liver-Brain Interface - implications for lifestyle-related diseases: the neglected role of alcohol abuse

12:15 – 13:00 **Rita Businaro** (Rome, Italy)
Treatments promoting innate immune cells polarization towards an anti-inflammatory phenotype

13:00 – 15:00 **Lunch break**



- 15:00 – 15:20 **Andon Mladenov** (Kanazawa, Japan)
Species-specific effects of hydroxynonenal on progenitor proliferation in mice and monkeys
- 15:20 – 15:40 **Andreas Kontny** (Varna, Bulgaria)
Effects of hydroxynonenal on mammalian cornea – a pilot study
- 15:40 – 16:00 **Martin Ivanov** (Varna, Bulgaria)
Effects of hydroxynonenal on a primate neurogenic niche – a pilot study
- 16:00 – 16:30 **David Lutz** (Varna, Bulgaria)
Small Hydra-derived peptide pedin promotes nerve regeneration
- 16:30 – 17:00 **Coffee break**
- 17:00 – 17:30 **Krasimir Antonov** (Sofia, Bulgaria)
Wilson disease - a diagnostic challenge
- 17:30 – 18:00 **Irina Ivanova** (Varna, Bulgaria)
Shear wave dispersion: do we have new noninvasive methods to study liver injury?
- 18:30 **Official dinner**

Sunday, November 16th 2025

- 09:00 – 09:30 **Sabrina Venditti** (Rome, Italy)
Brain-Liver Axis and disease: a field in need of epigenetic studies
- 09:30 – 10:00 **Veronica Peneva** (Sofia, Bulgaria)
Therapeutic strategies for Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD) and their influence on the liver–brain axis
- 10:00 – 10:30 **Stefka Valcheva-Kuzmanova** (Varna, Bulgaria)
Association between metabolic dysfunction-associated fatty liver disease, insulin resistance and cognitive performance. Effects of Aronia melanocarpa.
- 11:00 – 12:00 **Anton B. Tonchev** (Varna, Bulgaria)
Round table discussion
- 12:00 **Concluding remarks**
- 12:30 **Lunch**