



Centre de Neurosciences Psychiatriques

CNP SEMINARS

ANNOUNCEMENT

Friday, November 19 2021, 11:00 – 12:00

Role of the gut microbiota in the development of alcohol use disorder

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The gut microbiota is composed of a very large number of bacteria, viruses, fungi and yeasts that play an important role in the body, through the production of a series of metabolites (including neurotransmitters), and through an essential role in the barrier function of the gut and the regulation of immunity and stress response. In this lecture I will present, based mainly on human studies but also on preclinical studies, the evidence for a role of the gut microbiota in the development of alcohol use disorder. I will show the first results of trials to test the effects of nutritional approaches to address these deficits.

Invited by Chin.Eap@chuv.ch

Related publications

- Leclercq, Sophie, ... de Timary, Philippe, & Delzenne, Nathalie M. (2020). Gut Microbiota-Induced Changes in β -Hydroxybutyrate Metabolism Are Linked to Altered Sociability and Depression in Alcohol Use Disorder. *Cell reports*, 33, 108238 [1-24].
- Leclercq, Sophie, ... de Timary, Philippe, & Delzenne, Nathalie M. (2014). Intestinal permeability, gut-bacterial dysbiosis, and behavioral markers of alcohol-dependence severity. *Proceedings of the National academy of sciences of the United States of America*, 111(42), E4485-E4493.
- Leclercq, Sophie, ... Delzenne, Nathalie M., & de Timary, Philippe (2012). Role of intestinal permeability and inflammation in the biological and behavioral control of alcohol-dependent subjects. *Brain, Behavior, and Immunity*, 26(6),

CNP - Salle de séminaire, 11C 01 001
Hôpital Psychiatrique de Cery-Site de Cery, CH-1008 Prilly-Lausanne

Link for videoconference

<https://chuv.webex.com/chuv/j.php?MTID=me73633f5ade9b8f0bb5104cac9a7cf9b>