Magnetic Resonance Spectroscopy Affinity Group Seminar Series presents

Findings From $^1$H MRS Studies on the Effects of Alcohol Abuse and Dependence as Well as Detoxification and Sobriety on the Brain

Gabriele Ende, PhD
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Department of Neuroimaging
Director of Imaging Core Facility
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The goal of Dr. Ende’s research is to find multimodal imaging biomarkers for psychiatric disorders. Her group investigates relationships between in vivo-detectable neurometabolites and other imaging modalities, including neuron function, functional connectivity, and cognitive performance in humans and rodents. They are especially interested in associations between imaging endpoints and symptoms independent of diagnostic classification. Their translational animal models are geared towards discovering imaging endophenotypes and the development of novel medications. Ongoing projects include: Developing novel brain MRI and MRS methods; imaging of pain processing in Borderline Personality Disorder, including arterial cerebral blood flow and MR spectroscopic imaging of glutamate and GABA; imaging of emotional processing and neurofeedback training for Borderline Personality Disorder; and novel fMRI methods in animals, including awake-state fMRI, (DREADD)-fMRI, and optogenetic (og)-fMRI.

This presentation will summarize Dr. Ende’s MRS findings on Alcohol Use Disorder over the last two decades and provide an overview of the field. The question to what extent comorbidities and other substance misuse cause significant changes compared to "pure" alcohol misuse will be discussed.

Wednesday, March 23, 2022 1:00 PM-2 PM PST

All are welcome, registration required (click link):
https://uclahs.zoom.us/meeting/register/tJcrdOusrT8oGNZoeZqm3PcKfL0Np29dl3V3

After registering, you will receive a confirmation email with information about joining the meeting.

Hosted by Joseph O’Neill, PhD, UCLA Semel Child & Adolescent Psychiatry, UCLA BRI
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