

# The NO-Age and NO-AD Seminar Series ## 39

**'AI-Mind - Intelligent digital tools for screening of brain connectivity and dementia risk estimation in people affected by mild cognitive impairment'**

*by*

**Prof. Dr. Ira Haraldsen,**

Division of Clinical Neuroscience, Oslo University Hospital, Norway

*at*

14:00-15:15 (CET), Monday, 28<sup>th</sup> June 2021

Registration ahead

[https://uio.zoom.us/webinar/register/WN\\_iZ6K\\_VoCT7KVOXYss\\_gUeg](https://uio.zoom.us/webinar/register/WN_iZ6K_VoCT7KVOXYss_gUeg)

Organizers:

Evandro F. Fang (UiO), Jon Storm-Mathisen (UiO), Lene Juel Rasmussen (KU), W.Y. Chan (CUHK)

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**Speaker: Dr. Ira Haraldsen, MD, PhD**

**Title: AI-Mind - Intelligent digital tools for screening of brain connectivity and dementia risk estimation in people affected by mild cognitive impairment.**

**Abstract:**

Every 3 seconds someone in the world develops dementia. There are over 50 million people worldwide living with dementia and by 2030 this figure is expected to reach 82 million. Besides time-consuming patient investigations with low discriminative power for dementia risk, current treatment options focus on late symptom management. AI-Mind, an EU-funded H2020 project on screening brain connectivity and dementia risk estimation in people affected by Mild Cognitive Impairment (MCI), will open the door to extending the 'dementia-free' period by offering proper diagnosis and early intervention. Over 5 years, AI-Mind will develop two artificial intelligence-based digital tools that will identify dysfunctional brain networks and will assess dementia risk. Personalised patient reports will be generated, which may potentially open new windows for intervention possibilities. The AI-Mind consortium comprises medical experts and opinion leaders on dementia, international experts in brain signal analysis and computer science, SMEs and academic spin-off companies, patient and professional stakeholders and health technology assessment experts.

**Biography:**

Dr. Ira Ronit Hebold Haraldsen, MD PhD, Neurology and Psychiatry. Adm. expertise of clinical department- and research group leadership. Research background in neuroendocrinology, neurobiology of ageing, and translational innovation project management. She is the PI of AI-Mind (project No. 964220), a 14 million Euro Research and Innovation Action (RIA) H2020-SC1-BHC-06-2020 project. Dr. Haraldsen has a proven track record in heading, participating and stimulating several national and EU projects (ENIGI 2007-2017,) Glasgow-Oslo Sheep Study, Cost actions BM1105. and BM1303. She is leading the Cognitive Health Research group (CoHR) at OUS which has published only during the last 3 years more than 60 papers.

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