Title of the symposium: Is there a role for web-based neuropsychological testing in the clinic?

Chair:

Asta K Håberg, MD PhD, Professor at Norwegian University of Science and Technology (NTNU)/ St. Olavs Hospital, Norway.

Presenters:

- Kamilla Miskowiak, neuropsychologist, Professor, University of Copenhagen, Denmark: "Is there a role for web-based cognitive testing in affective disorders?"
- Tor Ivar Hansen, neuropsychologist, PhD, St Olav/NTNU, Norway: «Feasibility and results from screening and following somatic and psychiatric patient groups over time with a flexible web-based neuropsychological platform"
- Richard Gershon, Professor, Chief of Outcome and Measurements Science, Department of Medical Social Sciences, Northwestern University Feinberg School of Medicine, USA: "Measurement validity, replicability and standardization between neuropsychological test tools, experience from the NIH toolbox and other national clinical initiatives in the US"

Brief description of symposium:

Over the past decade, web-based cognitive testing using classical as well as novel neuropsychological tests, has been developed and implemented for mapping of neuropsychological profiles in general populations and patient groups, as well as tailored to specific patient groups. Still, the use, reliability, validity, safety, and added value of such testing in the clinic remain largely unexplored. This session includes presentations of the design and implementation of two different web-based neuropsychological test platforms in patient groups. The first presentation focuses on affective disorders and uncovering cognitive impairments and biases in this group of patients while the second presentation centers on neuropsychological testing in somatic and CNS diseases cross - sectionally and over time. The security and measures taken to safeguard the personal data in these web-based systems will be discussed. The third presentation covers considerations regarding neuropsychological measurement methodologies including lessons from the development of the NIH toolbox. The presentations will create a backdrop for a plenary discussion on the feasibility and role of such methodology in neuropsychological practice.