The NO-Age and NO-AD Seminar Series 003

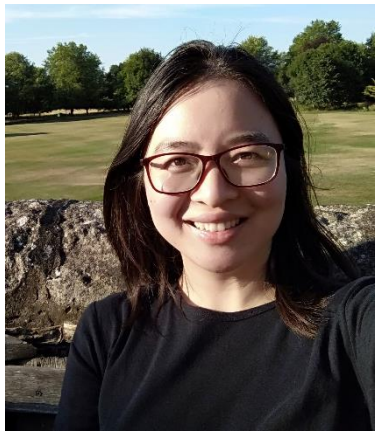
‘Blood Proteomic Biomarkers for Alzheimer's Disease’

by

Dr. Liu Shi
University of Oxford, UK

at

13:30-14:30, Friday 24th April 2020
Ahus S1: Seminarrom S102.014
Akershus University Hospital, 1478, Norway



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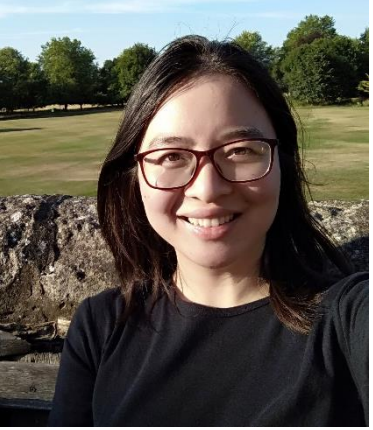

Name: Dr Liu Shi
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Speaker: Dr Liu Shi
Title: Blood Proteomic Biomarkers for Alzheimer's Disease

Abstract:
Alzheimer's disease (AD) is the most common form of dementia, comprising approximately 50–70% of the elderly dementia population. Most clinical trials of potential therapeutic agents have been relatively unsuccessful to date. Blood-based biomarkers are a less-invasive and potentially cost-effective option for selecting participants for such trials, thus increasing the success rate. The talk will present one study using Somascan assay to investigate 4000 proteins in plasma of over 800 subjects, all of whom had amyloid measurement. Furthermore, the talk will discuss the opportunities as well as the main challenges for the development of blood biomarker.

Biography:

Liu Shi is working in the Department of Psychiatry at Oxford University. Her research mainly focuses on identifying and validating blood based biomarkers in Alzheimer's disease, thus aiding for the diagnosis as well as monitoring disease progress of AD. Prior to joining this team, she has completed my PhD in Ecole Centrale de Lyon in France. Her thesis was to develop protein microarray to detect biomarkers of breast cancer, thus for the better management of cancer patients. This followed her MSc in Molecular Biology in Beijing Jiaotong University, China.