

Press release

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Basic information

Name: Dorte Tranberg Hansen

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Department of: Biomedicine

Main supervisor: Associate professor Tove Christensen, PhD, DrMedSci

Title of dissertation: Retroviral Neuropathogenesis

Date for defence: Friday October 30th 2020 at (time of day): 15.00-17.00 Place: Zoom

Press release (Danish)

Retroviral neuropatogenese

Multipel sklerose (MS) er en demyeliniserende, neuro-inflammatorisk sygdom i centralnervesystemet med en kompleks og endnu uafklaret ætiologi. Humane endogene retrovirus (HERVs) er sekvenser i det humane genom, som oprindeligt stammer fra retrovirus, og som kan dateres millioner af år tilbage i evolutionshistorien. HERV sekvenser og HERV-kodede proteiner er associerede med MS. Med en dybdegående gennemgang af den tilgængelige litteratur forsøger projektet at belyse den mulige involvering af HERV-kodede Env proteiner i MS neuropatogenesen med et særligt fokus på HERV-H/F Env. Ved anvendelse af in silico analyser trækkes paralleller til Env proteiner med kendt neuropatogent potentiale. Analyserne er sammenfattet i et nyt ph.d.-projekt fra Aarhus Universitet, Health. Projektet er gennemført af Dorte Tranberg Hansen, der forsvare det d. 30/10-2020.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 30/10-2020 kl. 15.00. På grund af corona-restriktioner er antallet af fysiske deltagere begrænset, og er kun muligt ved aftale med den ph.d.-studerende. Det er også muligt at deltage virtuelt på Zoom, og link tilsendes gerne ved kontakt til Dorte Tranberg Hansen.

Titlen på projektet er "Retroviral Neuropathogenesis". Yderligere oplysninger: Ph.d.-studerende Dorte Tranberg Hansen, e-mail: dtha@kb.dk, tlf. 5167 1331.

Bedømmelsesudvalg:

Professor Marianne Hokland MD DrMedSci- chairman and moderator of the defence
Institut for Biomedicin, Aarhus Universitet, Denmark

Professor Oluf Andersen MD DMSc
Institut for Neuroscience og Fysiologi, Göteborg Universitet
Sahlgrenska University Hospital, Göteborg, Sverige

Chief Physician Inge Panum MD PhD MPA
Klinisk Mikrobiologisk Afd., Hvidovre Hospital, Hvidovre, Denmark

Press release (English)

Retroviral Neuropathogenesis

Multiple sclerosis (MS) is a demyelinating, neuro-inflammatory disease of the central nervous system with a complex and yet unresolved aetiology. Human endogenous retroviruses (HERVs) are remnants in the human genome from ancient retroviruses dating back millions of years in the evolution. HERVs and HERV-encoded proteins are associated with MS. With a comprehensive dissection of the current literature, the project attempts to clarify the potential involvement of HERV-encoded Env proteins in the neuropathogenesis of MS with a particular focus on HERV-H/F Env. Using in silico analyses,

parallels are drawn to Env proteins with known neuropathogenic potentials. The observations are summed up and discussed in a new PhD project from Aarhus University, Health. The project was carried out by Dorte Tranberg Hansen, who is defending her dissertation on 30/10-2020.

The defence is public and takes place on October 30th 2020 at 15.00. Because of the current corona-restrictions, the number of participants at the physical defence is limited and participation is therefore only possible upon agreement with the PhD-student. Virtual participation on Zoom is also possible, and the link is readily available upon contact with Dorte Tranberg Hansen. The title of the project is "Retroviral Neuropathogenesis". For more information, please contact PhD student Dorte Tranberg Hansen, email: dtha@kb.dk, phone +45 5167 1331.

Assessment committee:

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