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Kort præsentation

Omdrejningspunktet for mine forskningsinteresser er neurodegenerative- og neuroudviklings sygdomme. I min gruppe implementerer vi inducerede pluripotente celler (iPSC) fra mennesker og dyr for at forstå sygdomsmekanismer, der fører til neurodegenerative og neuroudviklings sygdomme.

Forskningen i humane iPSC-modeller for neurodegenerative sygdomme omfatter Alzheimers sygdom (AD), Frontotemporal demens (FTD) og glaukom. Desuden arbejder vi med iPSC fra hunde for at forstå fællestræk og forskelle mellem menneskelig AD og hundens kognitive tilbagegang kaldet kognitiv dysfunktions syndrom (KDS) eller hunde demens.

Vores forskning i neuroudviklings sygdomme er fokuseret på at implementere humane iPSC-modeller for epilepsi og skizofreni.

Dernæst arbejder vi udover med hunde-iPSC også med svine- og abe-iPSC. Formålet med at etablere disse in vitro iPSC-modeller og ved at kombinere disse med organoide modeller, er at erstatte og raffinere behovet for in vivo-dyremodeller.

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Ansættelse

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Publikationer

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Aktiviteter

Microglia specific sex differences and their impact in Alzheimer's disease

Freude, Kristine (Andet)

8 maj 2024

Application of CRISPR/Cas9 in modelling neurodegenerative diseases

Freude, Kristine (Andet)

2 maj 2024

Deciphering the sex specific neuroinflammatory component in Alzheimer's disease

Freude, Kristine (Andet)

30 apr. 2024

SUND Neuroscience Event

Freude, Kristine (Deltager)

30 apr. 2024

Deciphering the sex specific neuroinflammatory component in Alzheimer's disease

Freude, Kristine (Andet)

4 apr. 2024

Trønderbrain Research Seminar 2024

Freude, Kristine (Deltager)

4 apr. 2024 → 5 apr. 2024

DEVELOPNOID Annual meeting 19th to 20th of March 2024

Freude, Kristine (Deltager) & Mohamed, Fadumo Abdullahi (Deltager)

19 mar. 2024 → 20 mar. 2024

Gene editing

Freude, Kristine (Andet)

19 mar. 2024

(AD/PD 2024) INTERNATIONAL CONFERENCE ON ALZHEIMER'S AND PARKINSON'S DISEASES AND RELATED NEUROLOGICAL DISORDERS

Freude, Kristine (Deltager) & Tao, Ruixin (Deltager)

5 mar. 2024 → 9 mar. 2024

Neuroimmunology Research Society Denmark (NIRS-DK) Conference 2024

Freude, Kristine (Deltager)

4 mar. 2024

iPSC Models to Decipher Glia Mediated Inflammatory Responses in Neurodegenerative Diseases

Freude, Kristine (Andet)

4 mar. 2024

Biology of Aging and lifestyle

Jensen, Lars Jørn (Deltager) & Freude, Kristine (Deltager)

31 mar. 2022

Induced pluripotent stem cell models for neurodegenerative diseases

Freude, Kristine (Andet)

31 mar. 2022

Priser

Alzheimer Forskningsfonden Forskerpris

Freude, Kristine (Modtager), 2020

Presse/medie

Kort Sagt: "The hope and the hype of stem cells" - by Kristine Freude

Kristine Freude

10/03/2016

1 Mediebidrag

Medicin mod demens: Ingen ved, om kvinder får gavn af det

Kristine Freude

01/06/2023

1 Mediebidrag

Minihjerner af stamceller skal løse Alzheimergåden

Kristine Freude & Henriette Haukedal

23/10/2020

1 Mediebidrag

Musene med to fædre

Kristine Freude

09/03/2023

1 Mediebidrag