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Ph.d.-stipendiat
Afdeling for Retsgenetik
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Kort præsentation

Current research

Population and Forensic genetic applications of mtDNA

Research description

The use of mtDNA in forensic genetics has proven to be an important tool in the analysis of trace samples where nuclear DNA is often degraded and/or present in low amounts. However, the interpretation and reporting of mtDNA still faces challenges, particularly regarding inclusion/exclusion scenarios in inclusive cases, and concerning reporting heteroplasmy. With the emergence of massively parallel sequencing, the threshold for detecting and reporting mtDNA heteroplasmy are changing and becoming more sensitive. More data are needed to evaluate and determine new standards for forensic casework. Furthermore, the somatic mutation rates in different human tissues must be explored to improve the interpretation of forensic evidence.

Ansættelse

Ph.d.-stipendiat

Afdeling for Retsgenetik
København Ø, Danmark
1 jun. 2023 → nu

Tidligere erhvervs erfaring

03/2023 - 05/2023	Research Assistant in Forensic Genetics, University of Copenhagen, Department of Forensic Medicine
01/2022 - 08/2022	Postgraduate intern in Genetics, University of Leicester, Department of Genetics and Genome Biology
06/2021 - 07/2021	Research Assistant in Epigenetics, Erasmus MC, Department of Genetic Identification
02/2021 - 06/2021	Undergraduate Intern in Epigenetics, Erasmus MC, Department of Genetic Identification
09/2019 - 01/2020	Intern Forensic Investigations, Dutch Police

Kvalifikationer

Molecular Genetics, MSc., University of Leicester
sep. 2021 → sep. 2022
Dimissionsdato: 20 jan. 2023

Forensic Science, BSc., Amsterdam University of Applied Sciences
sep. 2017 → jun. 2021
Dimissionsdato: 8 jul. 2021

Aktiviteter

A Comprehensive Analysis of Whole Mitogenome Heteroplasmy Patterns in Different Forensic Tissues
Claessens, Floor Anna Josephine (Oplægsholder)
19 jun. 2024

Priser

Moses Schanfield Young Investigator Award

Claessens, Floor Anna Josephine (Modtager), jun. 2024

Priser og certifikater

1. GE Healthcare Prize 2023, awarded by The University of Leicester.
2. Best graduating student 2020/2021, awarded by The Chartered Society of Forensic Sciences

Sprogfærdigheder

Hollandsk: modersmål

Engelsk: fuldt kompetent

Tysk: grundlæggende færdigheder

Dansk: grundlæggende færdigheder