Press release

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Basic information

Name: Rasmus Kold-Christensen Email: rkc@forens.au.dk Phone: +45 2234 1750

Department of: Forensic Medicine

Main supervisor: Mogens Johannsen

Title of dissertation: Development of a ReactELISA Method for Quantifying Methylglyoxal Levels in Plasma and Cell Cultures

Date for defence: 22-10-2019 at (time of day): 13:30 Place: Aarhus Universitetshospital, Palle Juul-Jensens Boulevard 99, Aarhus N, conference room C115-124/126

Press release (Danish)

Udvikling af en ReactELISA Metode til Kvantisering af Methylglyoxal Niveauer i Plasma og Cellekulturer.

Methylglyoxal er en aldersfremmende metabolit af kulhydratmetabolismen, der er involveret i sygdomsudvikling. Der eksisterer kun få teknikker, der er i stand til at måle methylglyoxal, men de har alle visse begrænsninger. Dette projekt handler om udviklingen af en reaktionsbaseret ELISA (ReactELISA) metode til måling af methylglyoxal. En metode som kan bane vejen for en mere udbredt anvendelse af methylglyoxal målinger i forskningen af sygdomsudvikling. Projektet er gennemført af Rasmus Kold-Christensen, der forsvarer det d. 22/10.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 22/10 kl. 13:30 i konferencelokale C115-124/126, Aarhus Universitetshospital, Palle Juul-Jensens Boulevard 99, Aarhus N. Titlen på projektet er ”Development of a ReactELISA Method for Quantifying Methylglyoxal Levels in Plasma and Cell Cultures”. Yderligere oplysninger: Ph.d.-studerende Rasmus Kold-Christensen, e-mail: rkc@forens.au.dk, tlf. +45 2234 1750.

Bedømmelsesudvalg:
Associate professor Rikke Katrine Jentoft Olsen, Institut for Klinisk Medicin, Molekylær Medicinsk Forskningsenhed, Aarhus Universitet.
Associate professor Daniel Globisch, Dept. Medicinal Chemistry, Science for Life Laboratory, Uppsala University.
Professor Christian Adam Olsen, Department of Drug Design and Pharmacology, University of Copenhagen.

Press release (English)

Development of a ReactELISA Method for Quantifying Methylglyoxal Levels in Plasma and Cell Cultures

Methylglyoxal is an age-promoting metabolite of carbohydrate metabolism involved in disease progression. Only a few techniques exist that are capable of measuring methylglyoxal and they all have certain limitations. This project is about the development of a reaction-based ELISA (ReactELISA) method for measuring methylglyoxal paving the way for a more widespread use of methylglyoxal measurements in research of disease progression. The project was carried out by Rasmus Kold-Christensen, who is defending his dissertation on 22/10.

The defence is public and takes place on 22/10 at 13:30 in conference room C115-124/126, Aarhus University Hospital, Palle Juul-Jensens Boulevard 99, Aarhus N. The title of the project is "Development of a ReactELISA Method for Quantifying Methylglyoxal Levels in Plasma and Cell

Cultures". For more information, please contact PhD student Rasmus Kold-Christensen, email: rkc@forens.au.dk, Phone +45 2234 1750.

Assessment committee:
Associate professor Rikke Katrine Jentoft Olsen, Department of Clinical Medicine, Research Unit for Molecular Medicine, Aarhus University.
Associate professor Daniel Globisch, Dept. Medicinal Chemistry, Science for Life Laboratory, Uppsala University.
Professor Christian Adam Olsen, Department of Drug Design and Pharmacology, University of Copenhagen.

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