

Press release

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Basic information

Name: Sigrid Salling Árnadóttir

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Department of: Clinical Medicine

Main supervisor: Prof. Claus Lindbjerg Andersen

Title of dissertation: Intra- and inter-tumor heterogeneity of colorectal cancer.

Date for defence: 24/06/2019 at 13.00

Place: Department of Molecular Medicine (MOMA), Brendstrupgårdsvej 21A, ground floor, 8200 Aarhus N.

Press release (Danish)

Tarmkræft udviser stor variation både inden for og mellem tumorer.

Tarmkræft er en sygdom med høj dødelighed, hvilket kan skyldes kompleksiteten af tarmkræfttumorer. Denne kompleksitet og variation både inden for og mellem tumorer har været fokus for et nyt ph.d.-projekt fra Aarhus Universitet, Health. Projektet er gennemført af Sigrid Salling Árnadóttir, der forsvarende det d. 24/06.

Når tarmkræfttumorer undersøges i dag, så er resultaterne baseret på én enkelt prøve per tumor. Men de seneste år har det vist sig, at der er stor variation inden for en tumor, hvilket betyder at resultaterne måske havde været anderledes, hvis prøven var taget fra et andet område af tumoren. Dette projekt har fokuseret på at karakterisere denne variation, og undersøge betydningen heraf. Det er gjort ved at sammenligne flere biopsier per tumor og samtidig etablere 3D cellekulturer direkte fra prøverne.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 24/06 kl. 13.00 på Molekylær Medicinsk Afdeling (MOMA), Aarhus Universitet, Brendstrupgårdsvej 21A, 8200 Aarhus. Titlen på projektet er "Intra- and inter-tumor heterogeneity of colorectal cancer". Yderligere oplysninger: Ph.d.-studerende Sigrid Salling Árnadóttir, e-mail: ssar@clin.au.dk, tlf. 20865970.

Bedømmelsesudvalg:

Professor Jan Alsner (Chairman). Department of Experimental Oncology, Aarhus University Hospital, Denmark.

Senior Research Associate, Group Leader Nicholas McGranahan, Department of Oncology, UCL Cancer Institute, University College London, UK.

Professor José Moreira, Department of Drug Design and Pharmacology, Faculty of Health and Medical Sciences, University of Copenhagen, Denmark.

Press release (English)

Intra- and inter-tumor heterogeneity of colorectal cancer.

Colorectal cancer is one of the leading causes of cancer related death. This high mortality may be due to the complexity of the disease, as colorectal cancers are heterogeneous both within and between tumors, which has been the focus of this PhD. The project was carried out by Sigrid Salling Árnadóttir, who is defending her dissertation on 24/06.

Today, analyses of colorectal cancer are based on a single biopsy from the tumor. However, tumors are highly complex and the results may differ depending on the sampling site. The aim of this PhD has been to characterize this heterogeneity within tumors, and to explore how this influence 3D cell cultures derived from primary tumors.

The defence is public and takes place on 24/06 at 13.00 at the Department of Molecular Medicine (MOMA), Aarhus University, Brendstrupgårdsvej 21A, 8200 Aarhus. The title of the project is "Intra- and inter-tumor heterogeneity of colorectal cancer". For more information, please contact PhD student Sigrid Salling Árnadóttir, email: ssar@clin.au.dk, Phone +45 20865970.

Assessment committee:

Professor Jan Alsner – Chairman of the committee and moderator of the defence. Department of Experimental Oncology, Aarhus University Hospital, Denmark.

Senior Research Associate, Group Leader Nicholas McGranahan, Department of Oncology, UCL Cancer Institute, University College London, UK.

Professor José Moreira, Department of Drug Design and Pharmacology, Faculty of Health and Medical Sciences, University of Copenhagen, Denmark

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