

Media release (Danish)

Nye bidrag til forståelsen af MikroRNA regulation af innat immunitet

Maria Primo, PhD student ved Inst. f. Biomedicine, forsvarer sin PhD d. 13/03-2017 med titlen: "Elucidating roles of miRNAs in innate immunity and inflammatory disease".

I sin afhandling undersøger Maria Primo forskellige aspekter af mikroRNA regulation af innat immunitet. MikroRNA er ansvarlige for at regulere proteinsyntese og de mens at spille en rolle i næsten alle cellulære processer. Desuden har adskillige studier vist at inflammatoriske sygdomme er karakteriserede ved disregulerede mikroRNA niveauer. Dette tyder på at mikroRNA kunne spille en rolle i udviklingen af sygdomme eller i forhold til balancering af immunresponser. PhD-projektet bidrager med nye indsigter i mikroRNA regulation i forbindelse med medfødt immunitet, ved at identificere miRNA-382 og miRNA-3135b som spillende en rolle i den negative feedback-mekanisme der regulerer den medfødte immunrespons mod virusinfektion, og ved at foreslå at miRNA-203 spiller en rolle i regulering af de pro-inflammatoriske cytokiner i psoriasis.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 13/03 kl. 13.00 i Merete Barker auditorium, Aarhus Universitet, Bartholins Allé 3, 8000 Aarhus. Titlen på projektet er "Elucidating roles of miRNAs in innate immunity and inflammatory disease". Yderligere oplysninger: Ph.d.-studerende Maria do Nascimento Primo, e-mail: mnascimentoprime@biomed.au.dk, tlf. +44 7463108494.

Media release (English)

New insights of microRNA regulation in innate immunity

Maria Primo, PhD student at the Department of Biomedicine, will defend her PhD dissertation on the 13/03-2017 with the title: "Elucidating roles of miRNAs in innate immunity and inflammatory disease".

In her dissertation, Maria Primo investigated different aspects of microRNA regulation in innate immunity. microRNAs are responsible for regulating protein synthesis and they are considered to play a role in almost every cellular process. Moreover, several studies have shown that inflammatory diseases are characterized by dysregulated microRNA levels, suggesting that microRNAs might play a role in disease development or in balancing immune responses. The PhD project provides new insights of microRNA regulation in innate immunity, by identifying miRNA-382 and miRNA-3135b as part of a negative feedback mechanism to regulate the innate immune response against viral infection, and by proposing a new role for miR-203 in the regulation of pro-inflammatory cytokines in psoriasis, an inflammatory skin disease.

The defence is public and takes place on 13/03 at 13.00 in Merete Barker auditorium, Aarhus University, Bartholins Allé 3, 8000 Aarhus. The title of the project is Elucidating roles of miRNAs in innate immunity and inflammatory disease. For more information, please contact PhD student Maria do Nascimento Primo, email: mnascimentoprime@biomed.au.dk, Phone +44 7463108494.