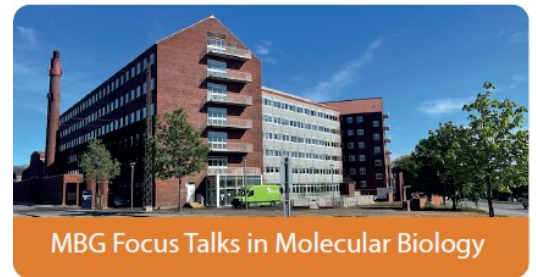


MBG FOCUS TALK

hosted by Torben Heick Jensen



Tuesday 15 August from 11:15-12:00

Venue: 1871-120 MBG Auditorium

By Lea Gregersen

Department of Cellular and Molecular Medicine University of Copenhagen

Title: Co-transcriptional regulation by RNAPII associated factors

Abstract

Accurate mRNA processing is required for correct gene expression. This occurs co-transcriptionally and is dependent on dynamic recruitment of factors to the phosphorylated C-terminal domain (CTD) of RNA polymerase II (RNAPII). These factors are not only important for splicing, but are also crucial for regulation of transcript elongation, transcript cleavage and termination of transcription.

Our work is focused on Serine/Arginine (SR)-related and CTD-associated factors (SCAFs) that are direct binders of the phosphorylated RNAPII CTD, but those function remains inadequately understood. In addition, we study how RNAPII associated factors play a role in the cellular stress response to oxidative stress using genome-wide approaches to profile RNAPII interaction partners, nascent transcription, and RNA processing.

Everyone interested is very welcome to attend.