Postdoc position to study Genomic Punctuation in Copenhagen.

Postdoc Positions in Genomic Punctuation
The Marquardt lab at CPSC is offering a postdoc positions starting as early as 1st April 2020.

Summary of lab research focus
The Marquardt lab is interested in the functional significance of non-coding sequences present in genomes. Our primary focus is how lncRNA transcription regulates nearby gene expression (1-5). We are looking for a postdoc for an initial 1-3 year period to join the lab as part of an ERC-funded project to elucidate the effects of long non-coding RNA (lncRNA) transcription on “genomic punctuation” (1-5). The project operates at the interface between the research areas of: epigenetics, RNA biology and RNA polymerase II (RNAPII) transcription.

Summary of postdoc position to study Genomic Punctuation
The postdoc will participate in the genetic dissection gene repression through the act of RNAPII elongation in Arabidopsis (3). We are looking for a new team member knowledgeable and enthusiastic about the identification and molecular characterization of key players involved. We expect to uncover novel connections between chromatin effects on RNAPII elongation and the regulation of transcription start sites within gene bodies.

We are characterizing chromatin signatures associated with gene repression through the act of RNAPII transcription. We welcome enthusiasm and expertise in the generation and analysis genomics data (ChIP-seq, TSS-seq, NET-seq, TIF-seq …). You will be part of our team that aims to identify predictive molecular signatures of “repressive RNAPII transcription” in genomes.

Successful applicants will demonstrate enthusiasm for the research topic, scientific excellence, “can-do-attitude”, proficiency in genomics data analysis and a desire to succeed with the project.

Application: Send CV, Cover letter, list of publications, motivation letter and references in a single .pdf document to Sebastian Marquardt by email.


(3) Nielsen et. al, PloS Gen. 2019; (4) du Mee et al., eLife 2018;