Ph.D.-fellowship to study the functional consequences of long non-coding RNA (IncRNA) transcription in the Marquardt lab at the CPSC.

Ph.D. Fellow in Non-coding Transcription

Copenhagen Plant Science Centre (CPSC) at the University of Copenhagen is offering a 3-year Ph.D.-fellowship commencing 1st September 2017 or as soon as possible thereafter. CPSC is a new initiative to promote excellent training opportunities in a modern research environment in the heart of Copenhagen. The position is funded by a Hallas-Møller Investigator Award to Sebastian Marquardt.

http://novonordiskfonden.dk/en/content/hallas-m%C3%B8ller-scholarship-denmark

Project description

The Marquardt lab is interested in the functional significance of abundant yet mysterious non-coding sequences present in genomes. http://cpsc.ku.dk/meet-the-scientists-page/sebastian-marquardts-group/. Our preliminary data support a Ph.D. position in any of these three focus areas within non-coding transcription research:

- Divergent IncRNA Transcription (1)
- Functional Consequences of Non-Coding Transcription (2, 3)
- Transcription Kinetics in Environmental Interactions (4)

Please specify in your Cover Letter what attracts you for a Ph.D. in any of these focus areas. Our lab employs cutting edge budding yeast technology to identify the molecular mechanisms controlling transcription of non-coding sequences. The knowledge of non-coding transcription mechanisms helps us to study the functional roles of non-coding transcription. For example, we disrupt non-coding transcription in Arabidopsis to identify roles of non-coding transcription in plant environmental responses. http://cpsc.ku.dk/meet-the-scientists-page/sebastian-marquardts-group/

A successful candidate will be enthusiastic about the general research area, ideally with relevant research background. Please apply via the Copenhagen University job portal, where you can also find further information and requirements:

http://jobportal.ku.dk/alle-opslag/?show=904540

Deadline: 15th June 2017.

(2) Marquardt et al. Mol Cell. 2014
(4) Hazelbaker, Marquardt, et al. Mol Cell. 2013