



Postdoc to study the functional consequences of long non-coding RNA (lncRNA) transcription in the Marquardt lab at the CPSC.

Postdoctoral Fellowship to study Divergent lncRNA Transcription

18 AUGUST 2015

[Copenhagen Plant Science Centre](#) (CPSC) at the Department of Plant and Environmental Sciences, Faculty of Science at University of Copenhagen is seeking a postdoc commencing 1st November 2015 or as soon as possible thereafter. The position is funded for 2 years with the possibility of extension by a Hallas-Møller Investigator Award to Sebastian Marquardt.

SEBASTIAN MARQUARDT
ASSISTANT PROFESSOR
THORVALDSENSVEJ 40, T237
DK-1871
FREDERIKSBERG C

CPSC is new initiative to promote excellent training opportunities in a modern research environment in the heart of Copenhagen.

DIR +45 35331305

sebastian.marquardt@plen.ku.dk

Project description

The Marquardt lab is interested in understanding the functional significance of abundant yet mysterious non-coding sequences present in genomes. Our lab focuses on three research areas related to this question:

<http://cpsc.ku.dk/meet-the-scientists-page/sebastian-marquardts-group/>

- [Divergent lncRNA Transcription \(1\)](#)
- [Functional Consequences of Non-Coding Transcription \(2, 3\)](#)
- [Transcription Kinetics in Environmental Interactions \(4\)](#)

REF: ASM

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/>

We are seeking an enthusiastic candidate familiar with high-throughput approaches, ideally with relevant research background. Please apply via the Copenhagen University job portal, where you can also find further information and application requirements:

Postdoc position: <http://employment.ku.dk/faculty/?show=758542>

Deadline: 15th September 2015.

- (1) Marquardt et al. *Cell*. 2014
- (2) Marquardt et al. *Mol Cell*. 2014
- (3) *Liu, *Marquardt, et al. *Science*. 2010 * Joint first authors
- (4) Hazelbaker, Marquardt, et al. *Mol Cell*. 2013

