



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

PhD-fellowship #1: Divergent lncRNA Transcription
PhD-fellowship #2: Functional Characterization of Plant lncRNA

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 candidate for a 3-year PhD-scholarship commencing 1st November 2015 or as soon as possible thereafter. The position is funded by a Hallas-Møller Investigator Award to Sebastian Marquardt.

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

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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 two candidates enthusiastic about this research area, ideally with relevant research background. Please apply via the Copenhagen University job portal, where you can also find further information and requirements:

PhD-fellowship #1: <http://employment.ku.dk/phd/?show=759517>

PhD-fellowship #2: <http://employment.ku.dk/phd/?show=759607>

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

