

**A doctoral student position** in the field of RNA Polymerase II Gene Regulation & RNA biology is open in Barboric laboratory at Biomedicum Helsinki 1, University of Helsinki. Strong background in molecular biology, biochemistry and/or bioinformatics is required. Applications are accepted on continuous basis, but the post will be filled as soon as a competitive candidate is identified.

The position is open in a young laboratory led by Matjaz Barboric, Ph.D. at the Institute of Biomedicine, Department of Biochemistry & Developmental Biology at University of Helsinki, Finland. My research group, which is currently composed of two doctoral students and a postdoctoral fellow, investigates the mechanisms that regulate transcription elongation by RNA polymerase II. This phase in gene transcription has emerged only recently as a major regulatory step in metazoan gene expression. By using biochemistry, molecular biology, genetics and systems biology approaches, we are seeking to understand biological roles of transcription elongation kinases, their function in mRNA synthesis and processing, as well as the significance of RNA polymerase II elongation control in human diseases such as cancer. Moreover, we are investigating the role of coding and non-coding RNA in controlling these processes. Among others, our research efforts are supported currently by the grants from the Academy of Finland, Sigrid Juselius Foundation, University of Helsinki 3-Year Research Grant and The Marsha Rivkin Center for Ovarian Cancer Research, US.

#### Requirements

Are you a creative and independent thinker? Are you ready for the hard work that the Ph.D. requires? Are you a motivated and an outstanding student with a strong academic record who is a quick learner and in a position to put a mark in a competitive field of gene transcription? Have you recently received a Masters degree in molecular biology, biochemistry, bioinformatics or related fields or are you finishing up with such studies? Do you have good spoken and written command in English? If yes, then please send your application including a cover letter, CV, your research interests, and 2-3 letters of reference to [matjaz.barboric@helsinki.fi](mailto:matjaz.barboric@helsinki.fi).

#### Employment conditions

Selected candidates will be offered a grant for 1 year. Upon successful performance review, the students will be offered an employment contract in accordance to the University of Helsinki salary scale system.

For further information, please contact:

Matjaz Barboric, Ph.D.

Principal Investigator

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