

カロリンスカ研究所で、  
給与を得ながら博士号取得を目指しませんか？

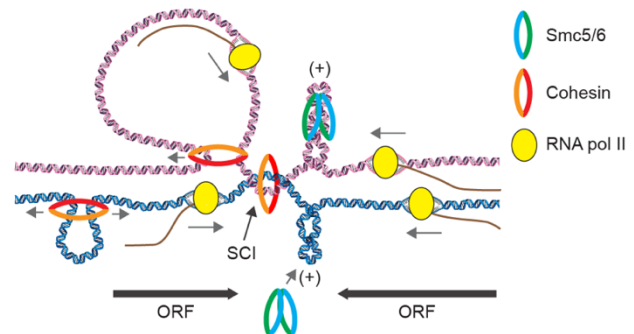
概要 : 4年間の博士課程学生 (給与あり)  
研究機関 : スウェーデン・カロリンスカ研究所 (Karolinska Institutet)  
研究内容 : 染色体の三次元構造に関する研究  
お問い合わせ : Dr. Kristian Jeppsson (kristian.jeppsson@ki.se)まで

### Doctoral course position with competitive salary available

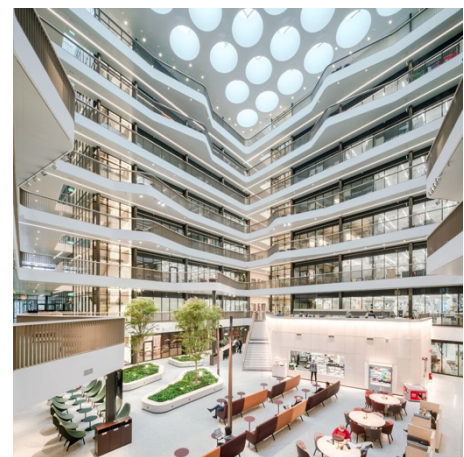
Are you interested in studying DNA topology and chromosome folding at the Karolinska Institutet in Sweden during your doctoral course?

A four-year paid doctoral course position at the Karolinska Institutet in Sweden will become available under the supervision of Dr. Kristian Jeppsson (Dept. of Cell and Molecular Biology, Karolinska Institutet and the Institute for Quantitative Biosciences, The University of Tokyo).

Our research aims to understand how the Structural Maintenance of Chromosomes protein complexes shape the three-dimensional structure of chromosomes, and builds on our two publications showing that Smc5/6 is a DNA loop-extruder *in vitro* (Pradhan et al. *Nature*, 2023), and is recruited to positively supercoiled DNA in cells (Jeppsson et al. *Molecular Cell*, 2024).



You will learn how to perform and develop state-of-the-art next-generation sequencing techniques to explore the mechanisms of chromosome folding. The research and education will take place on KI's Solna campus in Biomedicum, a brand-new and interdisciplinary research center with advanced laboratories and modern facilities designed to promote research and collaboration, providing a creative and inspiring environment full of expertise and curiosity. You will be employed by the Karolinska Institutet on a doctoral studentship which means that you receive a contractual salary. You will also have access to our modern gym for free and receive reimbursements for medical care.



The ideal candidate is highly motivated, enthusiastic and curious about solving mysteries within basic research. The candidate should hold a relevant master's degree.

**What:** A four-year doctoral course position with full salary is offered.

**Where:** The Karolinska Institutet in Sweden.

**Application details:** Please e-mail Dr. Kristian Jeppsson for further details [kristian.jeppsson@ki.se](mailto:kristian.jeppsson@ki.se)

Sincerely, Kristian Jeppsson