

# SUMMER SCHOOL | Aug 12-16, 2024

## Applied Deep Learning in Bioinformatics

Location: UCPH Frederiksberg Campus

This course is an opportunity for you to learn and get hands on experience with data science techniques and how to apply these beyond the topics of CRISPR and network biology. The format will consist of an approximately equal mix of lectures and hands-on exercises. The four-day summer school will be followed by a symposium day, Aug 16, 2024.

**Who can register?** - MSc students, PhDs and postdocs who are already comfortable in programming (max capacity 30)

**Price** – the course is free, as it is supported by the CRISPRnet project granted by the Novo Nordisk Foundation

**Stipends** – a handful of stipends will be handed out to cover travel and accommodation costs for talented applicants, who could otherwise not afford to participate

### LECTURERS

Sampo Pyysalo, University of Turku  
Arne Elofsson, Stockholm University  
Simon Rasmussen, University of Copenhagen  
Stefano Roncelli, University of Copenhagen  
Christian Anthon, University of Copenhagen  
Jan Gorodkin, University of Copenhagen  
Lars Juhl Jensen, University of Copenhagen



### The summer school will cover the following topics:



- ✓ Text-mining & Transformers
- ✓ Language models for biological sequences
- ✓ Variational autoencoders
- ✓ Graphs & networks
- ✓ Practical Applications

### Application Deadline

**June 6, 2024**

For more information and  
registration go to:  
<https://bit.ly/3StRrOh>



### Course Directors

Jan Gorodkin, Professor, IVH,  
University of Copenhagen  
&

Lars Juhl Jensen, Professor, CPR,  
University of Copenhagen,

