

This is to certify that

Antonia Kalushkova

has successfully taken part in

## ChIP-seq data analysis

Held in Stockholm, 07-09 November 2018

The course consisted of lectures, computer exercises and group discussions. The following topics were covered:

- Quality controls of raw sequencing reads
- Reads trimming and filtering
- Alignment to the reference genome
- Peak-independent quality metrics
- Peak calling
- Peak-dependent quality metrics and visualization
- Differential binding analysis
- Common downstream functional analysis

Examination:

Presence during all the lectures and computer/practical exercises

Arranged by:

National Bioinformatics Infrastructure Sweden (NBIS) & Science for Life Laboratory (SciLifeLab)

*Stockholm, 09 November 2018*

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