

# Single-Cell and Spatial Biology

# Umeå

April 20th  
Umeå Universitet

Eukaryotic Single Cell Analysis  
Microbial Single Cell Analysis  
Spatial Transcriptomics  
Spatial Proteomics

## A DAY FULL OF SINGLE CELLS

- From 9:00 to 16:00
- Fika provided
- UB333, Floor 3
- Universitetsbiblioteket

## REGISTRATION FORM



[bit.ly/SC\\_Spatial\\_Seminar\\_2023](https://bit.ly/SC_Spatial_Seminar_2023)



MORE INFO:  
[support@ngisweden.se](mailto:support@ngisweden.se)

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# **Single-Cell and Spatial Biology Seminar**

**Thursday, April 20th 2023, Umeå**

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## **Session 1: Single-Cell Analysis Methods and Facilities**

**9:00 - 9:05**      **Introduction to the event**

*Kristina Benevides, Project Coordinator - NGL*

**9:05 - 9:35**      **Overview of Eukaryotic Single Cell RNAseq**

*Anja Mezger, Head of Applications Development - NGL*

### **10X Genomics protocols**

- o Protocols offered and workflow
- o Sample requirements and tips

### **SmartSeq3**

- o Protocols offered and workflow
- o Sample requirements and tips

**9:35 - 10:00**      **Microbial Single-Cell Facility**

*Henrik Gezelius, Acting Head at NGL-Single Cell Genomics - Uppsala*

- o Protocols offered
- o Sample requirements and tips

## **Break**

**10:20 - 10:40**      **Data analysis**

*Anastasios Glaros, Bioinformatician - NGL*

**10:40 - 11:30**      **Q&A**

**11:30 - 13:00 - Lunch break**

## Session 2: Spatial Analysis at the SB platform

**13:00 - 13:05**    **Introduction to the session**

*Renuka Kudva, Project Coordinator - NGI*

**13:05 - 13:15**    **Spatial Biology Platform overview**

*Anja Mezger, Head of Applications Development - NGI*

**13:15 - 13:30**    **FF - Spatially Resolved Transcriptomics**

*Xesús Abalo, Project Coordinator - NGI*

- o    Tissue Optimisation
- o    Sample requirements and tips
- o    H&E or IF + ST

**13:30 - 13:50**    **FFPE - Spatially Resolved Transcriptomics**

*Jörg Bachmann, Research Engineer - NGI*

- o    Tissue Adhesion
- o    CytAssist
- o    Sample requirements and tips; 11x11 mm

### Break

**14:10 - 14:30**    **Spatial Proteomics**

*Carolina Oses, Researcher, Spatial Proteomic Unit - SciLifeLab*

- o    Protocols offered
- o    Sample requirements and tips

**14:30 - 14:45**    **Data analysis**

*TBA , NBIS*

**14:45 - 15:30**    **Q&A**

## Concluding remarks