

Welcome to a seminar jointly hosted by the SciLifeLab National Genomics Infrastructure and Pixelgen Technologies:

Introducing Molecular Pixelation

Spatial proteomics of single cells by Next Generation Sequencing

We are pleased to invite you to our Spatial Proteomics Seminar

organized together with SNP&SEQ Technology Platform/National Genomics Infrastructure (NGI). We will take you beyond the use of flow cytometry and focal microscopy into the intriguing and dynamic world of the cell-surface proteome of single cells through next-generation sequencing.

Following the seminar, we will serve sandwiches and refreshments.

Date: Wednesday, December 6, 2023

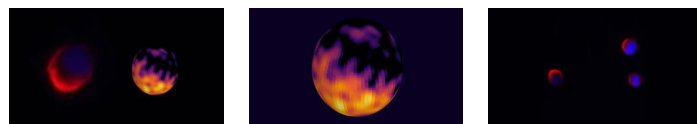
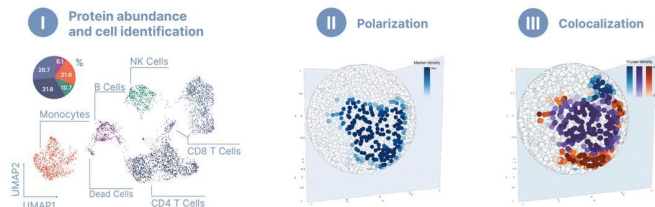
Time: 10:00 to 13:00 CET

Location: SciLifeLab Uppsala (Navet)
Uppsala Biomedicinska Centrum
Husargatan 3, entrance C11,
752 37 Uppsala

Molecular Pixelation

By simultaneously analyzing changes in the dynamic protein architecture of cell membranes across 1000s of single cells, a new chapter has unfolded. This allows us to assess how subtle alterations in the spatial orchestration of proteins impact the immune system, disease outcomes, and responses to treatment.

HALLMARKS OF MOLECULAR PIXELATION



AGENDA

- 10:00 - 10:05 **Welcome**
AnnaLotta Schiller, *Pixelgen*
- 10:05 - 10:35 **Introducing Molecular Pixelation**
Simon Fredriksson, *Pixelgen*
- 10:35 - 10:55 **Mapping individual drug responses using Molecular Pixelation**
Jessica Nordlund, *SciLifeLab, NGI, UU*
- 10:55 - 11:05 **Sequencing single cells at the SciLifeLab National Genomics Infrastructure**
Henrik Gezelius, *SciLifeLab, NGI, UU*
- 11:05 - 11:35 **Panel discussion including Q&A**
Simon, Jessica & Henrik
- 11:35 - 13:00 **Sandwiches & Cake**

The seminar will be accessible in both in-person and virtual formats

Reserve Your Spot

To secure your place for the lunch seminar, register the link to the right, specifying your attendance and lunch preferences. All participants must register including the speakers as well as both in-person and virtual attendees

[Registration](#)

Thanks to the SciLifeLab National Genomics Infrastructure for making this seminar possible



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