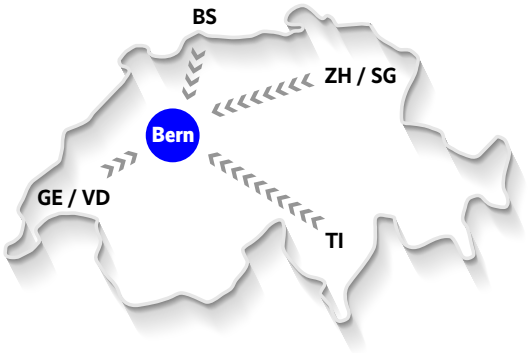
About the Seminar

Join our free seminar and learn about new tools to isolate nuclei from tissues or to render your tissue samples transparent and ready for 3D imaging. See how to gently sort delicate cells by flow or how to isolate clonally expanded cells based on imaging.

Further we are going to talk about the impact of genetic signatures identified by DNA sequencing of single cells or their functional proteome and we expose you to the merFISH technology. A day full of valuable information on latest developments towards the power of precious cells, making your trip to Bern rewarding.



Who should attend?

We would like to invite everyone interested in new aspects of life science research. You will enjoy a unique opportunity to interact with your colleagues, the speakers and with fellow researchers from academic and industrial institutions.

Registration

Your participation is **free of charge**. In order to register for the seminar, simply send us an email (**seminar@bucher.ch**) or give us a call (**phone 061 269 1111**). Alternatively you can register online at **www.bucher.ch**

We will confirm your registration with detailed information and exact location of this exciting event.

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Invitation

Bucher Biotec AG • Viaduktstrasse 42 • 4051 Basel • Phone 061 269 1111 • www.bucher.ch

Invitation to our Seminar Day on

My Precious Sample

Essential Tools for Scientists in Academia and Industry

- DNA & RNA from FFPE Samples
- Consistent Nuclei Isolation
- Organoid Isolation
- Spatial Multi-omics
- Microfluidic Cell Sorting
- Single Cell DNA Seq
- Tissue Clearing
- Cell Culture under Hypoxia and Pressure
- Exosome Characterization

New and Exciting Tools and Technologies

Seminar Day in **Bern** • **May 11th 2023**

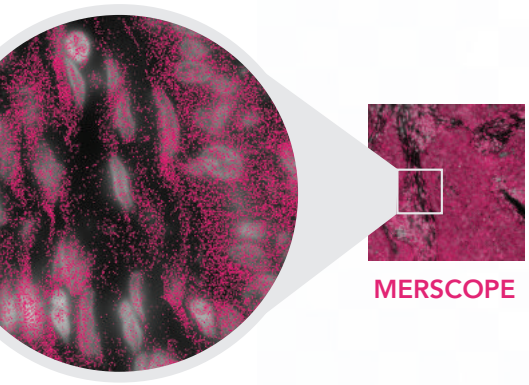
My Precious Sample – Essential Tools for Scientists in Academia and Industry

How to get the maximum out of your precious samples

Working in a lab, we constantly have to overcome obstacles. In some cases, the very base of scientific work, the samples, become one of the difficulties due to their rarity. But why are rare samples so critical?

- **Collection and recovery of rare and precious samples is often difficult and the samples may be irreplaceable.**
- **Scientific breakthroughs can be achieved by optimizing the use of rare samples.**
- **Costs can be saved by efficient use of rare samples.**
- **Future research can benefit from generation of high-quality data from precious samples.**

Along those lines, it is essential to get the maximum out of rare and precious biological samples.



Spatial plot of all transcripts from 295 common genes overlaid on DAPI images. Spot color and transparency is matched between paired images for each zoom level and the datasets for MERSCOPE.

Join our free seminar and learn about newest tools to isolate single cells, nuclei or DNA & RNA from rare and challenging samples.

Come and see cutting-edge multi-omics platforms that highly efficiently analyze single tissue-sections or single cells. We will showcase how modern cell isolation systems can help you minimize sample loss.

A day full of valuable information on latest developments to get most out of your precious samples, making your trip to Bern most rewarding.

Bucher Biotec AG is proud to represent some of the most advanced manufacturers of highly innovative life science research instruments.

Coffee breaks and lunch will allow you to interact with colleagues, the speakers and with fellow researchers from academic and industrial institutions.

The seminar will start at 9:00am and will end at 4:00pm approx.

Seminar Talks & Guest Presentations

- **Welcome & Introduction**
  Georg Kienzle, PhD, Bucher Biotec AG
- **My precious FFPE sample: Simple, Automated, Charge-based DNA and RNA Extraction**
  Michael Colombo, MSc., Application Scientist, Bucher Biotec AG
- **Consistent and fast hands-off tissue dissociation: From tissue to nuclei in 10 minutes**
  Vadim Saratov, PhD, Application Scientist, Bucher Biotec AG
- **The CellRaft AIR – A Novel System Enabling Organoid, Imaging, Identification, and Isolation**
  Megan Harrison, PhD, Field Application Scientist, Cell Microsystems
- **Exploring the Spatial Dimension with MERSCOPE:**
  Highly Sensitive and Accurate *in situ* Single-cell Spatial Genomics
  George Emanuel, PhD, Founding Member, Vizgen
- **Microfluidic Cell Sorting Improves Cell Health and Survival in Cell Line Development**
  Michal Bonar, PhD, Distribution Support Manager EMEA, NanoCellect
- **Make the hidden visible.**
  X-Clarity will give you insights to your precious tissue without sectionings
  Luisa Spisak, PhD, Product Line Manager, Bucher Biotec AG
- **Unravel the secrets of genome in a unique approach:**
  Measure single nucleotide variation (SNV), copy number variation (CNV), and protein data in single-cell resolution
  Matteo Cattaneo, PhD, Field Application Scientist, Mission Bio
- **Hypoxia and Pressure for precious Stem Cells. Enhanced Reprogramming and Improved Differentiation & Maturation**
  Georg Kienzle, PhD, Director Sales and Support, Bucher Biotec AG
- **Get to know the character of your EVs and exsomes with Leprechaun**
  Luisa Spisak, PhD, Product Line Manager, Bucher Biotec AG
- Closing Remarks and Discussion

GET INSPIRED at our Seminar Day on **May 11th 2023** in Bern