

## Short Read Sequencing: New Milestones at the GTF

Dear users,

We are pleased to share a few highlights from the Lausanne Genomic Technologies Facility regarding recent developments in **short read sequencing**.

### AT A GLANCE

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**First in Europe:** The GTF is the first laboratory in Europe to reach **500 sequencing runs** on the AVITI platform.



**Growing Expertise:** Our AVITI know-how keeps expanding — from optimised library prep to advanced troubleshooting for every project type.



**AVITI24 Upgrade:** Our sequencer has been upgraded to AVITI24, offering higher throughput and on-instrument single-cell omics workflows.



**Pricing:** We provide customers with transparent, flexible and competitive pricing, and reliable service delivery.



**Local service:** We deliver fast, secure sequencing solutions while remaining firmly committed to the research community we serve.

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### FIRST IN EUROPE

## 500 AVITI Runs at the GTF

We are proud to announce that the GTF is the **first laboratory in the EMEA zone** (Europe Middle East & Africa) to reach **500 sequencing runs** on a single AVITI instrument. This milestone reflects both our strong user community and the deep technical expertise of the GTF sequencing team.



The GTF team celebrating 500 AVITI runs — first in the EMEA.

## 📌 GROWING EXPERTISE

### Our Expertise with AVITI Keeps Growing

Over the past months, our team has significantly expanded its know-how on AVITI sequencing. Here's how we can support your projects:

#### EXPERTISE & ADVANCED TROUBLESHOOTING

**Optimised sequencing of difficult libraries** — We have contributed to improving protocols for challenging and low-input libraries, increasing robustness and data quality.

**Tricky pools: no problem** — We fine-tune your pooling strategy to match your exact needs, ensuring balanced representation and optimal outputs.

**Advanced troubleshooting** — We provide personalised support before *and* after sequencing, including in-depth post-run analysis.

**Comprehensive Library Preparation Portfolio** — We offer preparation of *all* standard library types, including RNA-seq, single-cell RNA-seq, whole-genome and exome sequencing, targeted sequencing, metagenomics, and more.

#### SUPPORT FOR LIBRARY PREPARATION

We can assist you in preparing your libraries for short read sequencing (AVITI, Illumina) — or manage the entire process for you. This includes the **ICON PCR workflow**, which improves performance for low-input or complex libraries.

## ⚙️ NEW UPGRADE

### AVITI Has Evolved: Introducing the AVITI24

Our AVITI sequencer has recently undergone a major upgrade, transitioning to **AVITI24** and unlocking new capabilities:



#### Higher Throughput

Higher sequencing output, resulting in a **lower cost per GB** for your projects.



#### On-Instrument Single-Cell

On-instrument single-cell omics workflows for **more integrated** experimental setups.



AVITI24: combining Next Gen Sequencing with Teton CytoProfiling for integrated single-cell workflows.

#### PRICING

### Flexible, Competitive & Stable

#### From 100M reads

Starting at close to **CHF 200** — ideal for small projects or single-cell QC runs.

#### Up to 25B reads

Highly **competitive prices** across all read volumes. Free spike-ins for test runs.

#### Stable year-round

Sequence exactly when you need — **no seasonal price fluctuations**.

#### SNSF / ERC compliant

Fully compliant with grant requirements.

#### LOCAL SERVICE

### Fast, Secure & Community-Focused

Working with the GTF means keeping your data — and your science — close to home:

✓ Your samples and data stay **within UNIL**

- ✓ **Hassle-free logistics**, with no need to ship samples outside Switzerland
- ✓ **Fast turnaround: 2–4 weeks**
- ✓ **Express sequencing** also possible for urgent projects
- ✓ Local developments designed for the **UNIL & CHUV community**
- ✓ User friendly sample **Dropbox** for Agora/Biopôle/CHUV customers

### Ready to start your next sequencing project?

Feel free to reach out — we're here to help you from library preparation to data delivery.

Contact us: [contactGTF@unil.ch](mailto:contactGTF@unil.ch)

For more information, visit our website: <https://wp.unil.ch/gtf>

**Unil.**  
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