

# NSF

## NEUROMICS SUPPORT FACILITY



Core facility UAntwerp  
Active in Health & Environment (Agriculture)

NSF brings together unique, research-based knowledge and high-end technology for DNA and RNA sequencing. By sequencing, DNA/RNA abnormalities associated with complex diseases can be detected. Dr. Mojca Strazisar, Expert Technologist and team leader at NSF, explains what companies can contact them for:

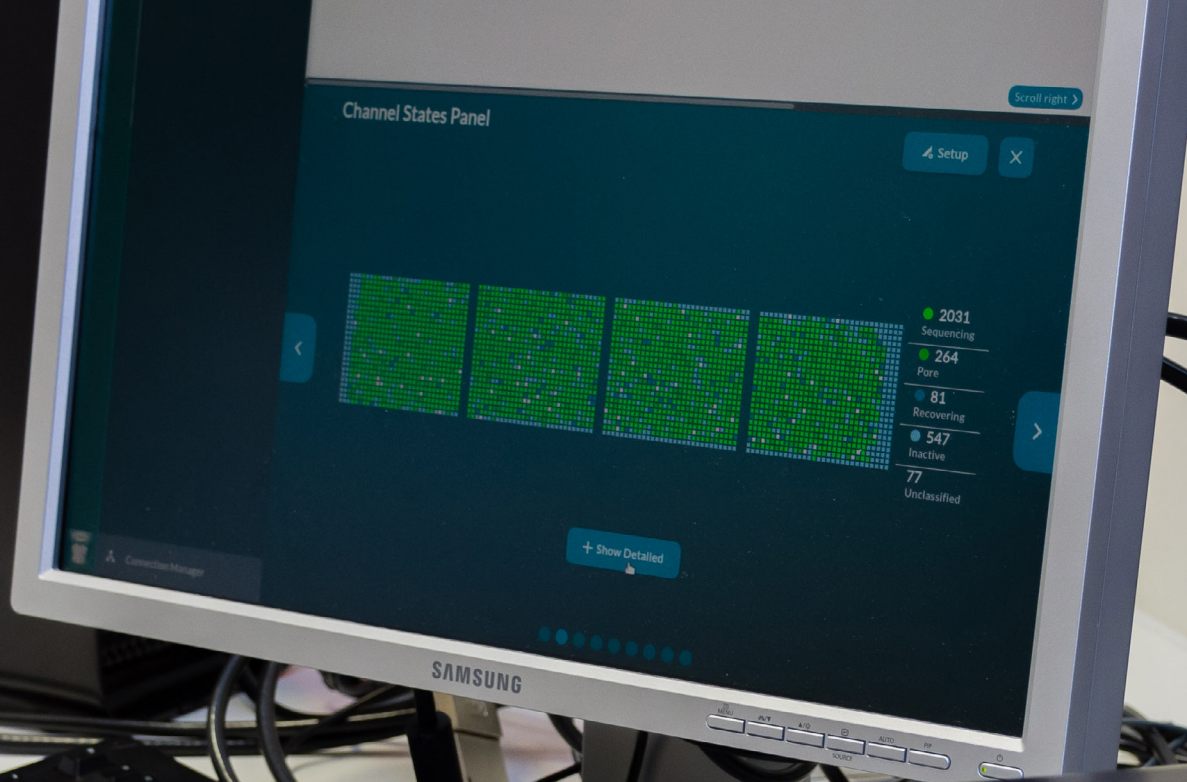
“You can, of course, turn to NSF for traditional sequencing services (Sanger), but the focus is mainly on innovative, project-based collaborations related to ‘long read sequencing’. This new technology makes it possible to study very long and repetitive pieces of DNA, which were previously difficult to analyze, more rapidly and cheaply. At NSF, we have the unique expertise this requires.

Additional services that we offer include sample preparation, sample processing and quality control. If applicable, we also provide a standard data analysis along with the digital data delivery. We are mostly supporting life sciences and medical research fields but also servicing the agricultural sector. Our customers range from spin-offs to biotech companies and hospitals.

Advanced technology, knowledge and a modern scientific approach are at the core of all we provide. By working with our customers on groundbreaking projects and realizing new developments, we are constantly challenging ourselves and continually expanding our own knowledge. Finally, you expect flexibility, clear communication and transparency in combination with fast service.”

► By collaborating with our customers on groundbreaking projects and realizing new developments, we are constantly challenging ourselves and continually expanding our own knowledge.

**Interested in setting up an innovative project together with NSF? Please contact Dr. Mojca Strazisar for the concrete possibilities.**



► Smooth communication, amazing turnaround times, good collaboration and technology expertise, and good flexibility in terms of workflows and platforms available.

Quote from Sciensano

Nanopore sequencing platform

## NSF is ...

Sequencing · NGS · Nanopore · ONT · DNA · RNA · Analytics ·  
Disruptive Technologies · Service · Research

## Collaboration is possible through...

Co-development / joint research · Contract research · Service contracts

## Unique features of our equipment

NSF has advanced and even disruptive technologies and equipment that make it possible to perform various sequencing applications for customers.

- Sanger sequencing - high throughput ABI 3730 XL
- Oxford Nanopore Technologies Sequencing platforms

We also use high-quality equipment for additional services:

- Quality Control - Fragment Analyzer, Qubit, DropSense
- Sample manipulation - Liquid handling for purification, pooling and sorting (Beckman Coulter), Fragmentation equipment (Diagenode)

## Research groups and expertise

NSF is a core facility of the University of Antwerp, but it is also a competence center within the Center for Molecular Neurology (CMN) of the Flemish Institute for Biotechnology (VIB). Thanks to this embedding in the VIB, links can easily be made to other available expertise and services.

Within UAntwerp, there is close collaboration with, among others, the Department of Biomedical Sciences, the Medical Microbiology Laboratory, the Center for Medical Genetics, the Department of Biology and the University Hospital.



### Contact NSF

Dr. Mojca Strazisar  
Campus Drie Eiken  
[gsf@uantwerpen.be](mailto:gsf@uantwerpen.be)  
[www.neuromicssupportfacility.be](http://www.neuromicssupportfacility.be)  
[uantwerpen.vib.be/group/NeuromicsSupportFacility](http://uantwerpen.vib.be/group/NeuromicsSupportFacility)