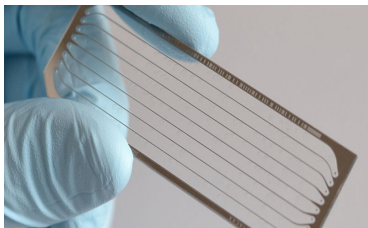




Photo: Nogas1974/CC-BY-SA-4.0 The picture has been mirrored

Bioinformatics - seeing the unseen

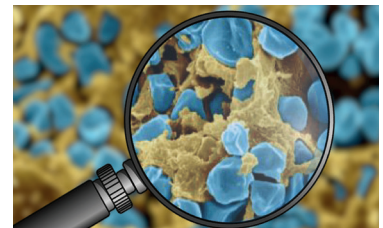
Are you curious about...



...the latest sequencing technologies?



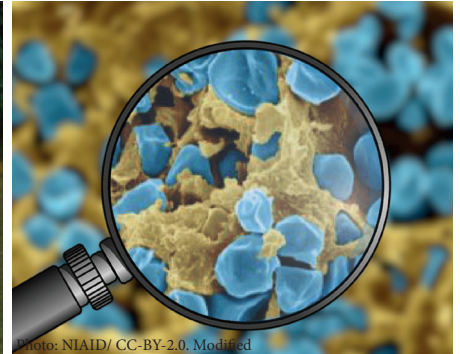
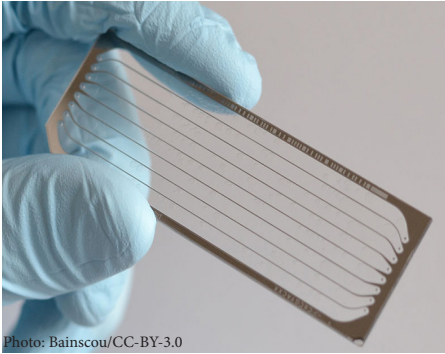
...the species content and source of your samples?



...microbial forensics?

Contact FOI's experts in bioinformatics for a free project consultation

We support you in...



- Handling and interpretation of NGS data
- Marker design and high-throughput genotyping
- Community characterization of complex samples e.g. contaminated water, soil and air samples
- Bayesian methods for data analyses and evidence evaluation
- Statistic design, analysis and interpretation
- Automated pipelines for data analyses

...and offer

- Sequencing with the latest technologies
- Real time on-site sequencing
- Expertise consultation in microbial ecology, microbial epidemiology, and population genetics of microorganisms

Selected publications

Genomic analyses of *Francisella tularensis* strains confirm disease transmission from drinking water sources, Turkey, 2008, 2009 and 2012. Euro Surveill. 2015;20:21136

Scaffolding of a bacterial genome using MinION nanopore sequencing. Sci Rep. 5, 11996, 2015

Chemometrics comes to court : evidence evaluation of chem-bio threat agent attacks. J Chemometr. 2015;29(5):267-276

The SEQanswers wiki: a wiki database of tools for high-throughput sequencing analysis. Nucleic Acids Res. 2012;40:D1313-7

Landscape epidemiology of tularemia outbreaks in Sweden. Emerg Infect Dis. 2009; 15(12):1937-47

A real-time PCR array for hierarchical identification of *Francisella* isolates. PLoS One. 2009;4(12):14

The complete genome sequence of *Francisella tularensis*, the causative agent of tularemia. Nat Genet. 2005;37(2):153-9

www.foi.se/bioinformatics

The commitment to quality and confidentiality is standard professional practice at FOI

For more information, please contact CBRN Defence and Security, Umeå, Sweden
Kerstin Myrtenäs, bioinformatics@foi.se, +46 90 10 68 44

