



BROKERAGE FOR HEALTH

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session (edit)



Opportunities at SINTEF biotechnology and nanomedicine

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HEALTH-NCP-NET 2.0 project is funded by the European Commission

Molecular Biology Strain development



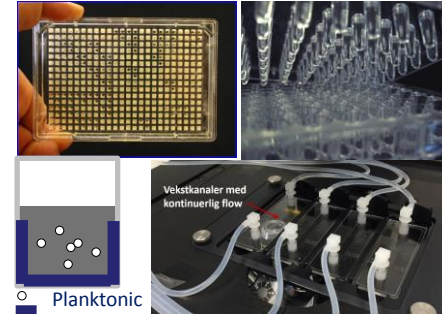
DNA-sequencing (Illumina, Minion), ddPCR, Robot for DNA-prep, new lab with all necessary instrumentation

Laboratory- and pilot scale fermentation



MP2-labs microreactor system, 40 laboratory scale fermentors, 50- and 300-L pilot-scale fermentors. Small and pilot scale DSP-equipment

Antimicrobial assays



Growth inhibition assays, simple and advanced biofilm/planktonic assay, kinetic biofilm assays

Relevant calls

SC1-DTH-09-2019	Scaling up the univocal identification of medicinal products
SC1-BHC-30-2019	Towards risk-based screening strategies for non-communicable diseases
SC1-BHC-13-2019	Mining big data for early detection of infectious disease threats driven by climate change and other factors
SC1-BHC-14-2019	Stratified host-directed approaches to improve prevention, treatment and/or cure of infectious diseases

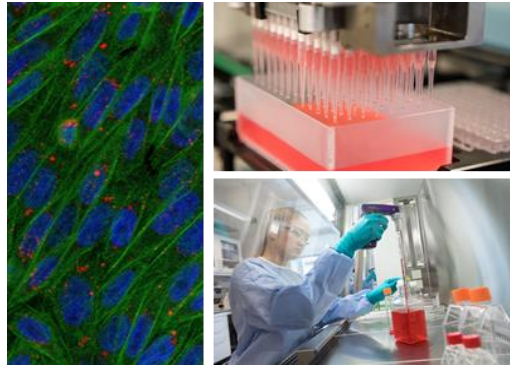
Automatic lab processes, high-throughput assays, high-content imaging and tissue engineering

High throughput Screening facility



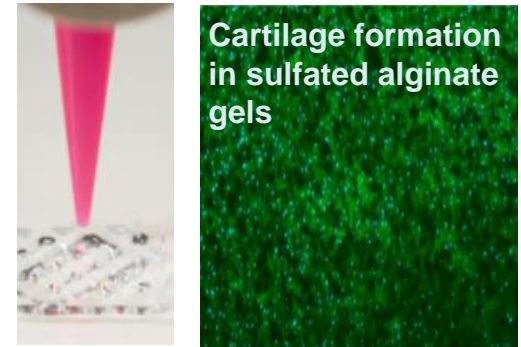
4 robotic systems for High throughput screening. Robot for colony picking.. Fluorescence-activated cell sorting (FACS).

In vitro assays and high-content imaging



High throughput screening for *in vitro* efficacy and toxicity in various cells (e.g. cancer cells, normal cells bacteria). Cellular uptake by flow cytometry and CLSM, high-content confocal imaging

3D bioprinting and tissue engineering



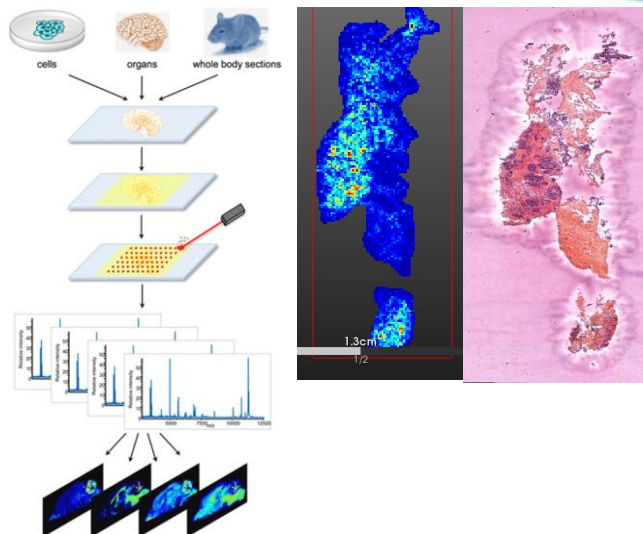
High throughput screening for *in vitro* efficacy and toxicity in various cells (e.g. cancer cells, normal cells bacteria). Cellular uptake by flow cytometry and CLSM

Relevant calls

SC1-BHC-01-2019	Understanding causative mechanisms in co- and multimorbidities combining mental- and non-mental disorders
SC1-BHC-02-2019	Systems approaches for the discovery of combinatorial therapies for complex disorders
SC1-HCO-01-2018-2019-2020	Actions in support of the international consortium for personalized medicine
SC1-BHC-07-2019	Regenerative medicine : from new insights to new applications
SC1-BHC-31-2019	Pilot actions to build the foundations of a human cell atlas

Advanced mass spectrometry facilities specializing in metabolites, proteomics and an analysis of tissue sections

Mass Spectrometry laboratory



26 instruments (GC-MS, GC-MS/MS, LC-SQ, LC-QQQ, LC-Q-TOF, FT-ICR, FFF, ICP-MS/MS, rapid fire)

MS analyses for small molecules, large molecules and nanoparticles; MS imaging of inorganic elements and organic components in tissue cross sections and material surfaces; proteomics and high-throughput MS detection.

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Contact details

Thank you!

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