eu:openscreen

NO | Specialist screening site

University of Oslo – Centre for Molecular Medicine Norway (UiO NCMM)

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„EU-OPENSCREEN connects chemical biology experts across Europe in an exceptional infrastructure. Together with the comprehensive compound library, this opens unique possibilities for our users. We are looking forward to the collaboration.“

At a glance

- Specialized screening site within EU-OPENSCREEN and managing node for the national Research Infrastructure NOR-OPENSCREEN
- Core facility for the University of Oslo and Oslo University Hospital
- Access to the EU-OPENSCREEN European Chemical Biology Library and European Academic Compound Library
- Visiting researchers can develop assays with our team
- Access to a variety of local core facilities like Genomics, Proteomics and Bioinformatics
- Competence in biochemical / cell-based assays and precision medicine

Infrastructure and technical focus

- Laboratory for assay development and transfer
- Large scale, fully automated screening platform for optical readouts (Access Workstation acoustic and classic liquid handling)
- Automated sample preparation for advanced high throughput flow cytometry assays
- Biosafety Level 2 cell culture for primary human cells
- Competence in immunology, characterization of immune cells and intra cellular signaling

Projects past and present

2020 | BioMedData Implementation of FAIR (Findable, Accessible, Interoperable and Reusable) data management / coordinated by ELIXIR Norway Link

2020 | FUCOMED Characterization and utilization of Fucoidan from Seaweed Link

2016 | NOR-OPENSCREEN Managing partner of the national Norwegian RI for Chemical biology and bioprospecting Link

Our science in selected publications

An in vitro assay for biomarker discovery and dose prediction applied to ibrutinib plus venetoclax treatment of CLL
Leukemia (2020), 34, 478–487

Identification of small molecule NPR-B antagonists by high throughput screening — potential use in heart failure
Naunyn-Schmiedeberg's Arch Pharmacol (2014), 387, 5–14

A Cell-Based High-Throughput Assay for Gap Junction Communication Suitable for Assessing Connexin 43–Ezrin Interaction Disruptors Using IncuCyte ZOOM
SLAS Discovery (2017), 22, 77–85

Assay development for the discovery of small-molecule inhibitors of YadA adhesion to collagen
The Cell Surface (2019), 5, 100025

Further info and site-contact

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