



Core Facility for Flow Cytometry (CFFC) and Mesoscale Discovery (MSD) invites you to a workshop



Learn about the Mesoscale multiplex immunoassay platform that has recently been installed in the new CFFC facilities. The platform offers solutions ranging from validated assays for clinical biomarkers to open platform assays allowing you to create your own multiplex or singleplex assays in multiple species.

Seminar title: Multiplex Electrochemiluminescent Biomarker Assays for Translational Research

Speaker: Esben Poulsen, Application Scientist, Mesoscale Discovery

Location: Room 7.15.92 (15th floor in the Maersk Tower), Blegdamsvej 3B, 2200, København N

Registration: [Sign up for the workshop](#) and/or run your own samples. You are also welcome to ask any questions.

Day 1, Wednesday January 31 (Presentations)

- 09:00-09:45 Seminar: Introduction to MSD
- 10:00-11:00 User presentations: To be announced
- 11:00-12:00 MSD Best practices
- 12:00-13:00 Lunch (sign up by January 29th for a free lunch)
- 13:00-14:00 Optional: Software Workshop

Day 2, Thursday February 1 (Sample analysis)

- 9:00-15:00 Analysis of samples in the lab
- Purchase an assay and run your own samples with our application scientist.
We have slots for running 4 studies in parallel.

Mesoscale advantages

- Multiplex – up to 10 assays in 25µl sample
- Compatible with difficult sample matrices
- Simple and short protocols
- High precision – low CV's
- High sensitivity – typically below 1pg/ml
- 3-5 logs dynamic range – avoid repeat dilutions

Applications

- Inflammation, Metabolism, Toxicology, Neurodegeneration, Cardiovascular etc.
- Cell Signaling/oncology
- Immunogenicity/ Isotyping
- Open platform – ELISA conversion
- Human, mouse, rat, NHP, canine

