

Facility infrastructure and available equipment

Protein production and purification

- Focus on ***E.coli* protein expression** – several host strains available
- **7 ÄKTA™ purification units** – ÄKTA™ prime, ÄKTA™ FPLC, ÄKTA™ purifier, ÄKTA™ pure
- Temperatur controlled sample handling

Protein characterization

- Physicochemical
 - **DLS** (dynamic light scattering) – Viscotek DLS802
 - **CD** (circular dichroism) – Jasco J-815 spectropolarimeter / PTC-423S Peltier-type cell holder
 - **FTIR** (Fourier Transformed Infrared spectroscopy) – Bruker Confocheck
 - **AAA** (amino acid analysis) –
 - **Mass spectrometry** – ThermoFisher Q Exactive Orbitrap, Dionex Ultimate 3000 HPLC
 - Ligand binding studies
 - Degradome assay
- Immunological
 - ELISA, RBL (human / mouse)
 - FAB assay
 - Antigen uptake, dendritic cell assays
 - Pre-clinical evaluation in animal models