

Expertise in Molecular Biology and Biochemistry – (a) design and conduct protein expression and various protein purification experiments and perform complete biophysical characterization in SEE-PROT module,

(b)
assistance and advice is offered for the selection of the proper cell-based expression system,

(c)
production of large amounts of protein, which will be subsequently used for NMR and X-ray crystallization attempts

(d)
the application of molecular biology protocols to eukaryotic and prokaryotic expression systems.

Collaboration with crystallographers and the NMR specialists (SEE-STRUCT) and integration of the protein production with the screening of bioactive compounds against protein targets and SEE-PHARM module. Expertise in crystallization assays of multi-domain proteins and biomolecular complexes.