**Expertise in NMR Structural Biology - (a)** protein uniform, selective and/or specific labelling in $^{13}C$, $^{15}N$, $^{2}H$ for advanced studies of high molecular weight biomolecules or complexes with NMR (SEE-STRUCT module),
**(b)**
NMR application specialists, for conformational dynamics studies of proteins and NMR-driven drug design efforts, set up of projection spectroscopy applications and data analysis
**(c)**
analysis of NMR data and protein structure determination,
**(d)**
NMR studies of paramagnetic metalloproteins,
**(e)**
screening with NMR spectroscopy the properties of the produced recombinant proteins (folding, solubility, stability, aggregation state, etc.), in order to increase the success rate in crystallization trials,
**(f)**
training of existed UPAT research staff in non-standard protocols for protein expression, isolation and/or labelling not currently available in UPAT and in Greek academia.

**Expertise in Protein Crystallography and modelling** – **(a)** crystal structure determination, and experience in drug design (SEE-STRUCT module),
**(b)**
experience in crystallization trials, crystallization screening conditions, and set up of the crystallization robot (sitting-drop vapour-diffusion crystallization experiments),
**(c)**
analysis of the NMR data concerning the experimental conditions and the suitability of proteins for crystallization trials,
**(d)**
experience in computational biology, biomolecular modeling (homology modeling & docking simulations), data mining and analysis.

**Expertise in data acquisition/integration, database development and curation expert** – set up of an integrated platform for the collection of the data from the collaborating groups; three individual databases for each one of the SEE-PROT, SEE-STRUCT, and SEE-PHARM modules facilitating the biological data modelling, handling and integration for relational (SQL-based) databases and related applications, requirement gathering, database design/data modelling and statistical analysis. Application of data handling standards for the data generated and also implement or guide the new data curation pipelines and tools.