2013-2014 Molecular Therapeutics Core Service Charges

Initial consultation with investigators is free.

The following are minimum fees based on “normal” services. The ease of protein purification can vary greatly. If greater effort is required for the project, charges will be based on the time, resources and complexity after consultation with the investigator.

(1a) Pilot Recombinant Protein production (1–2mg/ml)

- a. De novo expression vector construction, PCR, sequence verification $500
- b. Expression of recombinant protein in bacterial host $200
- c. Expression of recombinant protein in mammalian host $500
- d. Isolation and purification of recombinant protein $600

Appropriate quality control is included in all services

(1b) Large-scale protein production (5–10mg/ml)

Price will depend on protein yield and choice of host.

(2) Biophysical characterization

- a. Protein-ligand interaction using Biacore $75/hour
- b. Protein-ligand interaction using ITC $75/hour
- c. Protein stability at different temperatures using DSC $75/hour
- d. Protein aggregation/oligomerization analysis $50/hour

(3) Molecular modeling and drug design:

- a. De novo drug design $800/quarter
- b. Development and analysis of molecular models $40/hour

X-ray crystallographic service fee: Crystallographic service is highly dependent on the nature of the study, and there are no standard fees to compare to. Most institutions have adopted a cost-basis based on the extent of usage. In line with other facilities, such as City of Hope and UCLA, the structural core has adopted a three-tier system for fees for crystallographic studies that takes into account the variability in the time it takes to successfully obtain structures.

1. **Pilot study**
   Crystallization and exploratory diffraction studies to estimate crystal quality $500/quarter

2. **Simple solutions**
   Additional $1,000/quarter
   Collect diffraction data and determine structure using molecular replacement and model refinement; includes structure analysis

3. **Full service (complex projects)**
   Additional $4,500/quarter
   Heavy atom search, data collection at high-energy source, structure determination by MAD/SAD/MIR/SIR, refinement, structure analysis