



## Standard Operating Procedures – Solution Biophysics Lab

The Solution Biophysics Laboratory is a shared resource of the Sealy Center for Structural Biology and Molecular Biophysics (SCSB). All users share responsibility for careful, error-free usage of instruments in the lab. Depending on the instrumentation, usage of this research laboratory can be obtained either as an SCSB certified user or via the staff scientist. All users must be certified by the manager. All usage must be logged and authorized.

### **STEPS AND NOTES FOR AUTHORIZED USAGE:**

1. Complete the SCSB Memorandum of Understanding form and submit it for approval by the Director of the SCSB.
2. Instruments must be reserved for use through the manager.
3. Certain instruments (AUC and MS) are typically operated by the manager (user operation might be granted under some conditions). All other instrumentation is operated by the users, under the manager's supervision, after training and certification by the manager.

### **SUPPLIES:**

#### **SCSB SBL will provide:**

1. Cuvettes for spectroscopic measurements and solutions for cuvette cleaning.
2. Vials and caps for the Biacore T100.
3. Matrices for MS.

#### **User will provide:**

1. Buffers and other specific chemicals required for the project.
2. SPR chips, coupling kits, and other materials specific for the project.

### **SCSB SBL USER RESPONSIBILITIES:**

1. Cancellations must be notified to the manager prior to the expected usage start time.
2. No food or drink allowed in the Solution Biophysics Laboratory.
3. Immediately report equipment malfunctions to Luis Holthauzen. Users are not authorized to attempt to repair equipment.
4. Notify SBL staff if liquid nitrogen tank runs dry or if lab-supplied chemicals/supplies run out.
5. After each use, the user is responsible for keeping work area clean and ready for next user.
6. Gloves must be worn when handling chemicals and spectroscopy cuvettes.
7. All good laboratory practices must be observed.
8. The SBL does not store user's SPR chips. Users must store their own chips appropriately in their own labs.
9. Leftover buffers and user supplies must not be left in the lab. After usage, user has the responsibility of taking away any items he brought to the lab.