

# Surface Plasmon Resonance: Central Facility

Registration: To avail the SPR facility at the Department of Biosciences & Bioengineering, IIT Bombay.

Registration is absolutely essential.

## **Registration Process:**

### **I) Internal Users:**

User within IIT Bombay can apply from <http://drona.ircc.iitb.ac.in>. The form should be completely filled and all the sample details must be provided in the requisition form. Users are requested to be present at the time of analysis on the allotted appointment date/time.

### **II) External Users:**

Any query related to registration or analysis should be emailed to [spr.bios@iitb.ac.in](mailto:spr.bios@iitb.ac.in). After registration, you will get an appointment for the experiment.

### **Academic Institutions:**

You may come in-person or send the filled-in registration form with a letter from the Head/Guide on your College/Institute Original Letter Head for registration stating that the analysis is for research purpose to qualify for academic concession. The letter should be addressed to Prof-In-Charge Prof. Sanjeeva Srivastava, SPR Facility, Biosciences and Bioengineering Department, IIT Bombay, Powai, Mumbai-400076.

### **Industry& Non- Government Agencies:**

You may come in-person or send the filled-in registration form with a letter from your organization for registration. The letter should be addressed to Prof-In-Charge Prof. Sanjeeva Srivastava, SPR Facility, Biosciences and Bioengineering Department, IIT Bombay, Powai, Mumbai-400076.

You are requested to mention in your request letter that “We agree to acknowledge the Surface Plasmon Resonance (SPR) Central Facility of IIT Bombay when the data from the SPR lab is used in our papers/reports/thesis”.

The information on such acknowledgements with appropriate reference should be communicated to SPR facility via email [spr.bios@iitb.ac.in](mailto:spr.bios@iitb.ac.in). Kindly send the complete publication reference (Journal name/volume number/names of the authors/date of issue of the publication etc.).

## Charges for External Users

(Exclusive of service charges at prevailing rates)

Sr. No.	Type of Sample	Type of Assay	Charges (Rs.) per assay	
			Academic/Research Institution	Industry
1.	Protein-Protein interaction	Binding (For testing 3-4 concentrations of single sample)	2400	5600
2.	Protein-Protein Interaction	Kinetics (Using 6-8 concentrations of single sample)	3000	6000
3.	Protein-Small Molecule Interaction	Binding (For testing 3-4 concentrations of single sample)	3200	8600
4.	Protein-Small Molecule Interaction	Kinetics (Using 6-8 concentrations of single sample)	5000	11000

\* Number of cycles/concentrations to be tested can be increased as per experimental requirements.

\* Extra maintenance charges will be added depending on the number of samples.

\* Sensor chip cost is variable depending on the type of chip being used.

\* Cost and experimental details for other types of assays can be discussed as per requirement.

**Payment:** The final amount will only be finalized after discussion based on the experimental set-up. Payment should be made in advance by a Demand Draft (DD) drawn in favour of "The Registrar, IIT Bombay, P and C Account". The same should be sent to Prof. Sanjeeva Srivastava, Convener, SPR Facility, Department of Biosciences & Bioengineering, IIT Bombay, Powai, Mumbai - 400076, along with the Request Letter and Registration Form.

**Appointment:** The users will be informed about their date and time-slot by email. If the day and time-slot is not suitable for you, an email request should be sent immediately for an alternate slot.

**Sample Submission:** Samples to be analyzed should be brought along on the date of your appointment for your sample analysis.

**Results:** After the sample analysis is complete, the results will be sent by email.

### GENERAL INSTRUCTIONS TO THE USERS

The experimental data provided is only for research/development purposes. These cannot be used as certificates in legal disputes.

Sample size for the experiment will be decided during the experimental discussion.

Samples will not be analyzed till the payment is received.