

## *GatorPlus(BLI) Training Checklist*

Application Date:

Reservation Training Date:

Name:

Lab PI:

Affiliation:

Position:

Phone:

E-mail:

**Ligand** (molecule immobilized on the sensor):

Protein     Antibody     DNA     sugar     others \_\_\_\_\_

**Analyte** (molecule in solution):

Protein     Antibody     DNA     sugar     others \_\_\_\_\_

**Sensor:**

SA     AR2G     SSA     others \_\_\_\_\_

**How do you know about the interaction?**

ITC     co-IP     Enzyme Assay     Modeling      $\alpha$  screen     Yeast     others \_\_\_\_\_

### **Training checklist:**

- I have read "GatorPlus(BLI) User's Guideline" and will follow the rules therein.
- M119(E) lectures
- M119(E) hands-on course
- Gator® Plus User Manual.
- Plate positions (96-well, 384-well and Max plates)
- Quick start, assay setup and data analysis in GatorLaunch software:  
Basic set up with/without regeneration – Tabs of "Description", "Basic Parameters", "Plate Set Up", "Assay Steps", "Preview", "Save" and Run Assay
- Data analysis: "Experiment Selection", "Align & Filter", "Reference Set Up", "Binding Fitting" and "Kinetic Analysis" (fitting parameters:  $R_{max}$ ,  $k_a(k_{on})$ ,  $k_d(k_{off})$ ,  $K_A$ ,  $K_D$ )
- Sensor types (Q/A)
- Immobilization: biotinylation and desalting.
- Double-referenced experimental designs.
- Shutdown procedures.
- Reservation procedure
- Data file path and data back up.

Folder D:/Data/\_\_\_\_\_

Manager signature:

I certify that I have received the training sections specified in the training checklist above. My signature also confirms that I have read and understood the materials given prior to the experiments.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_