

## **Questions to be addressed**

### ***I. Primary culture of hippocampal neurons***

1. What are the purpose and advantages of culture study against animal study?
2. Compare the primary culture with the cell line culture.
3. Describe the procedure of primary culture of hippocampal neurons.

### ***II. Microcontact printing***

1. What are the advantage and the disadvantage of microcontact printing?
2. Imagine problems that can occur when protein patterns become complex such as SNU logo.
3. Imagine methods that can improve protein transfer from the microstamp onto the substrate.

### ***III. Immunostaining***

1. Explain the principles and the methods of immunostaining.
2. Draw the structure of Fluorescence microscope and explain the principle of it.