February 11th 9 am to Noon, Trustees Room, The Salk Institute

SCHEDULE

9 am-9:15 am  | Introduction to Neuroscience

9:15-10:00 am | Neuroscience Modules
              - Comparative Neuroanatomy
              - Sheep Brain Dissection

10:00-10:15 am | Architecture of the Salk Institute by Margaret Tarampi

10:20-11:45 am | Lab Tours

  Emily Mathews and Nicole Coufal (Gage Lab): Learn how to get a fluorescent protein into a virus into a mouse brain. Participate in a step of the cloning process and view some examples of brain tissue after infection (glowing neurons).

  Hoang Nhan (Callaway Lab): View green fluorescent neurons under the microscope to understand the different shapes and sizes of various types of neurons. Observe a live neuron firing action potentials.

  Martha Bagnell and Aryn Gittis (du Lac Lab): Learn how to use an agarose gel to help genotype mice. View mouse brain tissue slides of different genotypes. Discuss how genotyping works and why it's important.

11:50-12:00 | Closing Discussion in the Courtyard

We would like to thank the following individuals for their help and assistance:

UCSD Neuroscience Graduate Program  | BE WiSE Co-directors Andrea Cook, Ph.D.
Dr. Glen Northcutt for Specimens    | and Patricia S. Winter
The Salk Institute                  | The San Diego Science Alliance
Dr. Sasha du Lac’s Lab              |
Dr. Ed Callaway’s Lab               |
Dr. Fred Gage’s Lab                 |