



Workshop on Cultivation and Maintenance of Neural Stem Cell Line and Differentiation Toward Specific Neural Subtype

This workshop would introduce the participants to:

- Basics of neural stem cells (NSCS)
- Applications of NSCS from different sources
- Signaling pathways which are responsible for neuroectoderm specification and various neuronal subtype commitments
- Adult neural stem cell isolation from adult brain
- Culture media preparation for different NSCS lines cultivation
- NSCS lines cultivation and proliferation
- NSCS cryopreservation
- NSCS derived pluripotent stem cells specification and cell line generation methods

This workshop is suitable for graduates and students of all academic levels in biology, paramedical, and medical fields. A previous knowledge on principles for animal and human pluripotent stem cell cultivation is required.