

# BIOSKILLS LAB 2025

# SBMT 2025

22nd Annual NeuroTech Convention of SBMT

## CEREBROVASCULAR AND SKULLBASE BIOSKILLS LAB



Abilash Haridas, M.D



Sabarish Natarajan, M.D

Organized by



Nirav Patel, M.D



Akitsugu Kawashima, M.D

**Society for Brain Mapping and Therapeutics (SBMT)**  
**Course on Neurosurgical Innovation**  
**Room: External BioSkills Campus (Brain and Spine Observatory)**

**Friday, February 28th | Separate Ticketed Event for non-SBMT Members**  
Cerebrovascular and Skullbase Innovation labs (Cadaver labs)

### Module 1. EC-IC Bypass Module

#### Faculty:

- Abilash Haridas, MD
- Akitsugu Kawashima, MD, Ph.D

#### Course Description:

1. Learn basic concepts of bypass
2. End to side and side to side anastomosis
3. Learn Intraoperative cranial vascular neurosurgery

### Module 3

#### Open Skullbase Approach A (morning)

#### Faculty:

- Nirav Patel, MD
- Sabareesh Natarajan, MD

#### Open Skullbase Approach B (afternoon)

#### Faculty:

- Akitsugu Kawashima, MD
- Abilash Haridas, MD, FAANS

#### Course Description:

Understand normal anatomy  
Understand the trends and pitfalls of open approaches  
Avoidance of pitfalls

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## SPINE BIOSKILLS LAB



Stefano Sinicropi, M.D



Farzad Massoudi, M.D

Organized by



Mike Chen, M.D



Namath Hussain M.D

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Spine Hands-On Workshop (Cadaver demonstration labs)

### Module 3

#### C1 - C2 Fusion

##### Faculty:

- Namath Hussain, MD

### Module 4

#### RJB Navigation Device for Spine Surgery

Course objectives

- 1) Educate spine surgeons with minimally disruptive navigation system, which doesn't CT radiation or bulky equipment
- 2) Provide training how to use the RJB to accurately navigate pedicle screw insertion
- 3) Compare and contrast this system with current technologies

#### Description of the Course

This course will show the RJB navigation system: usage tips and tricks and discuss the advantages and disadvantages of this novel navigation system.

- 1) Indications and off label usage of the RJB navigation system
- 2) How to preoperatively template screws using the RJB template tools
- 3) How to accurately and quickly place pedicle screws using the preoperative template and the RJB navigation device

In 30-60 min demo and have the opportunity to practice using the RJB in cadavers and sawbones models and gain feedback from the attendees.

As I stated in the earlier Email, the pre lab MRI or CT scan of the cadaver is not strictly necessary. If it was going to be done anyway for the other demos then please provide me the scan. If there was no intention to get it done, the RJB demo can be done without one. I will need a l

##### Faculty:

- Shane S Pak, MD, FAAOS

Visit [www.worldbrainmapping.org](http://www.worldbrainmapping.org) for more information.

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### Module 5

#### Transthoracic Approach to Thoracolumbar Spine

##### Faculty:

- Stefano Sinicropi, MD

### Module 6

#### Posterior Approaches to Thoracic and Lumbar Spine

##### Faculty:

- Mike Chen, MD