

fNIRS Training Course

Boston University / Massachusetts General Hospital

Oct 19th – 29th, 2020

DAY 1 – October 19th Monday

10:00 am – 12:00 pm ET

NIRS introduction – LECTURE (pre-recorded)

Discussion of pre-recorded NIRS lecture.

fNIRS overview – LECTURE

Computer testing

DAY 2 – October 20th Tuesday

10:00 am – 11:30 am ET

Data analysis – Basic steps demonstrated with Homer3 – HANDS-ON

DAY 3 – October 21st Wednesday

10:00 am – 12:00 pm ET

Short separation regression and GLM – LECTURE AND HANDS-ON

DAY 4 – October 22nd Thursday

10:00 am – 12:00 pm ET

Motion Artifacts – LECTURE AND HANDS-ON

Homework Assignment (Mirror Neuron dataset)

DAY 5 – October 26th Monday

10:00 am – 12:00 pm ET

Homework – DISCUSSION

GLM with tCCA – LECTURE

DAY 6 – October 27th Tuesday

10:00 am – 12:00 pm ET

Atlas Guided Analysis – LECTURE

Using subject's own anatomy – HANDS-ON

DAY 7 – October 28th Wednesday

10:00 am – 12:00 pm ET

Probe design: software – LECTURE

Probe design – HANDS-ON

Probe repeatability and comparison with target design – HANDS-ON

DAY 8 – October 29th Thursday

10:00 am – 12:00 pm ET

Image Reconstruction – HANDS-ON