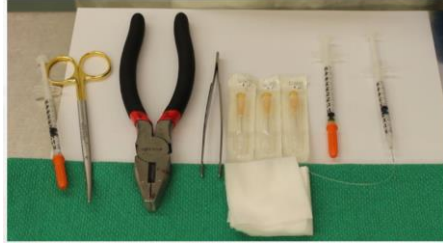


Step 1

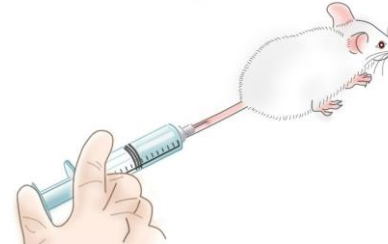


40 min

Procedure preparation

- Setup equipment
- Catheter preparation

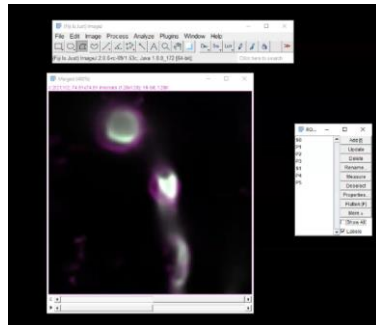
Step 2



15 min

Tail vein injection

Step 3

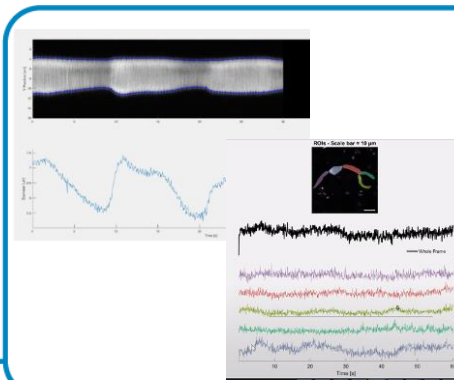


60 min

Data acquisition by two-photon microscopy

- Z-series
- T-series
- Hemodynamics

Step 4



Data Analysis with MATLAB

- Calcium signaling
- Blood flow