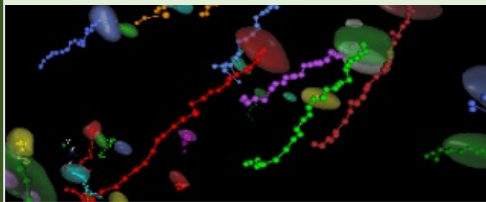
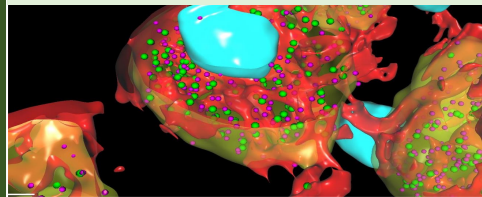


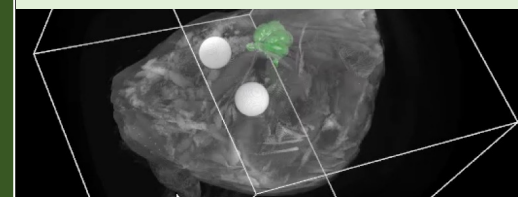
3D Object Tracking



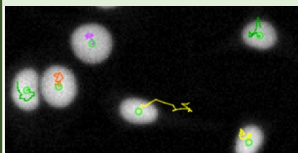
Radically simplified segmentation



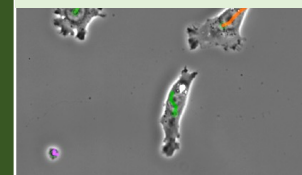
CT Image Segmentation



Cell, Nuclei..Detection



Phase Cell Tracking



AI-based Image Analysis Software for microscopes, **AIVIA Workshop**

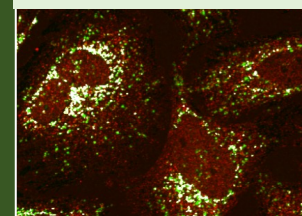
When you acquire an image with a microscope, it is simply a collection of pixels. Let's use the image analysis software Aivia to detect the required area and perform quantitative analysis!

"Detection" is made easily because it is equipped with AI technology.

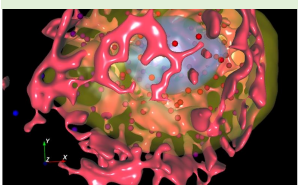
[What you can do with AIVIA....]

- ✓ 2D/3D, Fluorescence, Phase, CT, EM images applicable.
- ✓ <Counting> Detect and count objects in 2D/3D image
- ✓ <Tracking> Detect and tracking objects in 2D/3D timelapse image
- ✓ <Colocalization> Detect colocalized area among 2 ch image
- ✓ <Cell Analysis> Detect and analyze Intra-Cell objects
- ✓ <Neuron analysis> Detect and analyze soma, dendrite spine.
- ✓ <Pixel Classifier> Train AI with hand painting, then detect required area
- ✓ <Object Classifier> Automatically classify detected objects with AI

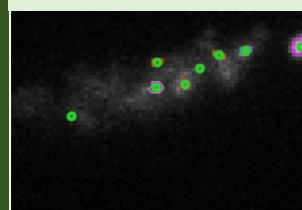
Colocalization



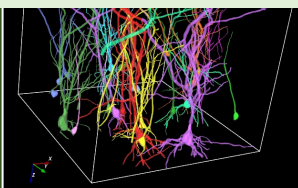
2D/3D Cell Analysis



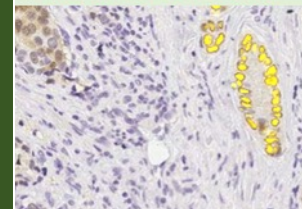
Calcium Oscillation



3D Neuron Tracing



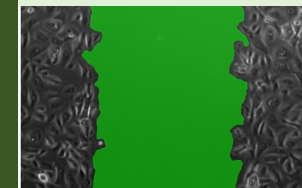
Brightfield Segmentation



Neurite Outgrowth



Wound Healing



Instructor : Yoshiro Oikawa (Seikotec co.)

Schedule:

Thursday May 18

10:00- 11:00 General Introduction

13:00-17:00 Onsite Analysis for those who request it.

Friday, May 19

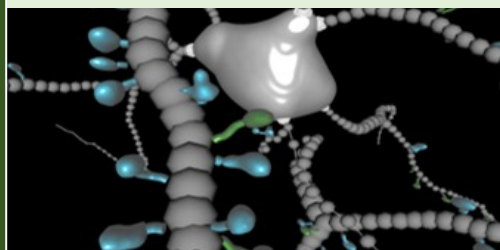
10:00-17:00 Onsite Analysis for those who request it.

Venue: OIST Lab4 L4F14

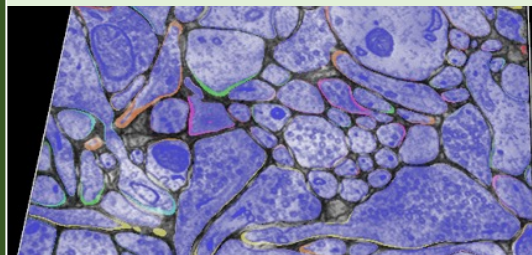
Contact : img-request@oist.jp ask Shinya for details

Onsite Analysis require reservation! Bring your own images!

3D Neuron / Spine Tracing



3D EM Segmentation



Single Molecule Tracking

