# Komaba Analysis Core

## [Open Core Facility for Materials Characterization]

Komaba Analysis Core, Institute of Industrial Science

User Facilities for all scientists in private company, research institute, and University.

Komaba Analysis Core

https://sites.google.com/g.ecc.u-tokyo.ac.jp/iis-materials-core

### What is "Komaba Analysis Core (駒場分析コア)"?

The Komaba Analysis Core has been established in FY2021. New instruments, focused ion beam microscopy (FIB-SEM), confocal microscope, cell sorter, and mass spectrometer, have been installed under a supports from the University of Tokyo Venture Ecosystem (uTIE). The aim of us is accelerations of venture business and scientific research!!

We would contribute to the development of academic researches and the creation of innovation in venture businesses by

supporting research organizations inside and outside the university and private companies (especially venture businesses) through the open facilities.



東京大学生産技術研究所

We are always available for consultation regarding analysis and details of each instrument.

How to use?

- 1. Submit an application form according to the application procedure
- 2. Technical consultation with the person in charge of each equipment and related researchers

Go to the

homepage!

Official

- 3. Make a reservation for the equipment through the equipment manager
- 4. Training and/or use of the equipment
- 5. Payment



**FIB-SEM** 

Thermo fisher Scios2

**Confocal microscope** 

Nikon Biopipeline LIVE



TEM sample preparation and microfabrication by FIB Observation by FE-SEM; elemental composition determination by EDS Dark-field and bright-field image observation by STEM mode 3D multi-modal observation by FIB+SEM



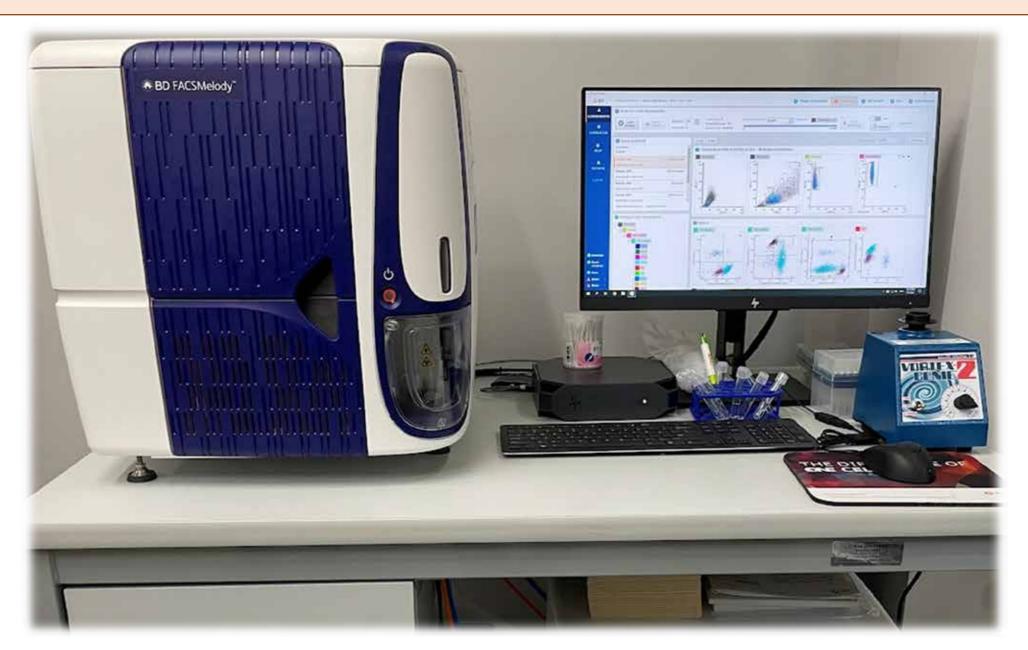
Confocal microscopy Live Imaging High Content Cell Analysis

## **Cell sorter**

BD FACS Melody

Mass spectrometer

JEOL SpiralTOF-plus



Cell Preparation and Analysis Plate Sorting Simple and easy operation



Molecular weight measurement (incl. molecular weight distribution of macromolecules, host-guest complexes) Elemental composition analysis by HR-MS Peptide sequencing by MS/MS measurements

