*Center for Stem Cell Biology and Regenerative Medicine*

# FACS Core Laboratory
## FACS コアラボラトリー

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*The FACS Core Laboratory provides high quality, cost-effective and state-of-the-art flow cytometry (FCM) services for internal and external researchers. We offer assistance in the following areas: (1) initial project planning (2) antibody panel design and optimization (3) instrument operation and maintenance (4) data analysis.*

### Instruments at the FACS Core Laboratory

For cell sorting, the FACS Core is equipped with Three BD FACS Aria Cell sorters (SORPAria, Aria, AriaIII) from BD Biosciences. For cell analysis, the FACS Core Laboratory is equipped with four benchtop analyzers (Verse, Calibur, CantoII from BD Biosciences and CytoFLEX LX from Beckman Coulter).

### FCM usage performance in 2022

FCM analysis and sorting is performed either by the FACS Core staff or by trained users. There were about 3,000 cases of FCM use in 2022.

### Seminar and Training

The FACS Core provided training and technical seminars about the theory and practical use of the FCM technology to students, fellows, and principal investigators at IMSUT.