

Center for Stem Cell Biology and Regenerative Medicine

FACS Core Laboratory

FACS コアラボラトリー

| Professor Atsushi Iwama, M.D., Ph.D.

| 教授 博士(医学) 岩間厚志

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 four Cell sorters (SORPAria and 2 AriaIII from BD Biosciences and CytoFLEX SRT from Beckman Coulter). For cell analysis, the FACS Core Laboratory is equipped with four benchtop analyzers (Verse and CantoII from BD Biosciences and CytoFLEX LX and CytoFLEX S from Beckman Coulter).

FCM usage performance in 2024

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 2024.

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.