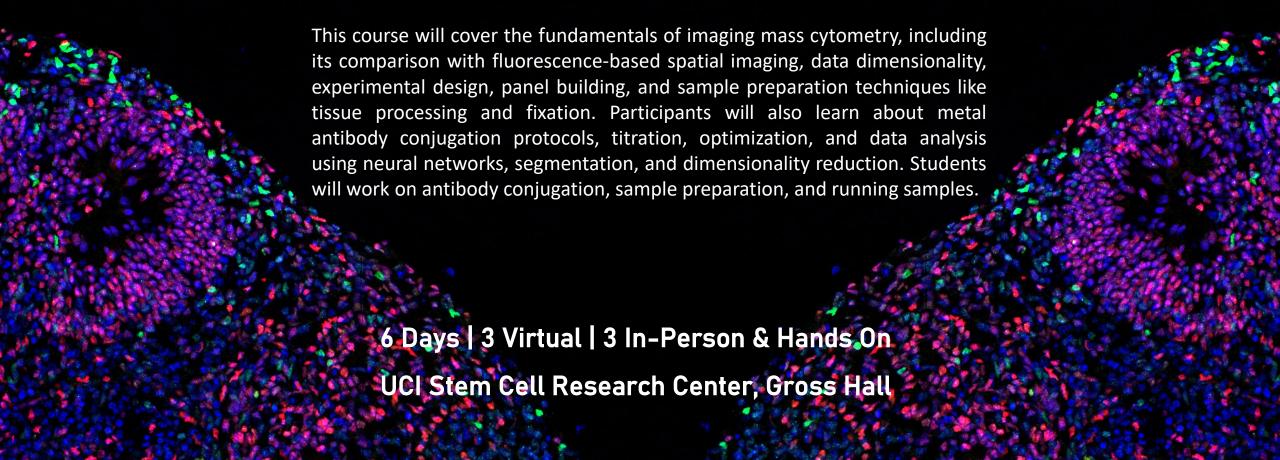


## Stem Cell Research Center CIRM Short Course: Imaging Mass Cytometry





## Stem Cell Research Center CIRM Short Course: Mass Cytometry

This course focuses on foundational concepts, with lectures covering technical aspects of mass cytometry, its comparison to fluorescence-based cytometry, experimental design, data dimensionality, and panel building. Participants will learn about sample preparation techniques for surface and intracellular targets, as well as metal antibody conjugation protocols, titration, validation, and optimization. Students will engage in practical experience, followed by basic data analysis using tools like Cell Profiler, HistoCat, and advanced free software packages.

6 Days - 3 Virtual | 14 Hours In-Person | 24 Hours Hands-On UCI Stem Cell Research Center, Gross Hall



## Stem Cell Research Center CIRM Short Course: 3D Bioprinting

The course will include didactic lectures, research talks demonstrating the applications of the techniques covered and hands-on experimental components/demos. The equipment to be covered include Digital Light Processing (DLP), Bioprinting, and PRIMO-based micropatterning.

3 Day Course | Aug 11-13, 2025

UCI Stem Cell Research Center, Gross Hall