**IFDM2002-3001 InFLAMES Flow Cytometry Practical Training**

**Timing:** 26.04.2022 - 29.04.2022

**Registration:** 25.03.2022 - 08.04.2022

**ECTS Credits:** 1

**Assessment scale:** Pass/Fail

**Assessment criteria:** Participation in training, prerequisite lectures

**Objectives:** This is the practical training portion of the InFLAMES Flow Cytometry training course. Please note that the completion of the course IFDM2004 InFLAMES Flow Cytometry Lectures is a requirement for the participation and completion of this course!

The course will introduce the basic principles of flow cytometry. No prior knowledge of flow cytometry is assumed. Participants will learn how to prepare and analyze samples for flow cytometry and will be trained to use a flow cytometer.

**Prerequisites:** IFDM2004-3001 InFLAMES Flow Cytometry Lectures

**Content and schedule:** Course will introduce the basic principles of flow cytometry. There will be a strong emphasis on practical applications. Practical training 11h.

**Practical class:**

**Day 1 (~4 hours):**

Groups 1 and 2: Practical introduction to flow cytometry equipment

Groups 3 and 4: Preparing a sample for flow cytometry analysis (sample preparation, antibody staining)

**Day 2 (~4 hours):**

Groups 1 and 2: Preparing a sample for flow cytometry analysis (sample preparation, antibody staining)

Groups 3 and 4: Practical introduction to flow cytometry equipment

**Day 3 (~4 hours)**

FACS running in groups

**Day 4 (~3 hours)**

Practical class overview and wrap-up