

CMMC

Annual Retreat

March 02 - 03, 2023

WELCOME



Faculty of Medicine
Faculty of Math.- Natural Sciences

CMMC

CENTER FOR
MOLECULAR MEDICINE
COLOGNE



UNIKLINIK
KÖLN

11:15 - 13:30 a.m. Workshop 2
**Integration and analysis of multiplex
imaging technologies**

Nieves Peltzer and Hien Nguyen- organizers

The development of state-of-the-art imaging technologies to deeply study tissues, biopsies or other biological material has flourished in recent years. Yet, their implementation and analysis remain challenging. In this workshop we will discuss the available technologies, their power and limitations and how to make maximal use of the data. Ultimately, we aim to discuss how to benefit from these technologies and expertise in the Cologne biomedical campus

11:15 - 13:30 a.m. Workshop 2
**Integration and analysis of multiplex
imaging technologies**

Program

11:15 Introduction

Optogenetics

11:20 Bernhard Röck & Ana Garcia Saez, Insitute of Genetics/CECAD

11:30 Discussion

Multicolour imaging

11:40 Astrid Schauss, CECAD

11:50 Discussion

Multiplex RNAscope

12:00 Nasim Biglari, MPI Metabolism

12:10 Discussion

Imaging Mass Cytometry (IMC)

12:20 Daniel Bachurski, Clinic I for Internal Medicine/CIO

12:30 Paul Bröckelmann, Clinic I for Internal Medicine/CIO/MPI Ageing

12:40 Discussion

IMC Analysis

12:50 Nima Abedpour, Department of Translational Genomics

13:00 France Rose & Kasia Bozek, CMMC

13:10 Discussion

13:20 Concluding remarks