

MDC INTERNATIONAL PHD PROGRAM
PROUDLY PRESENTS

BIMSB NEWBIE SYMPOSIUM

NOVEMBER
2025

Venue: BIMSB, large conference room

Date: November 28, 2025

2:00 pm **Welcome**

2:05 - 2:20 pm **Ciarán Donegan** (Ohler lab)

Decoding Gene Regulation from Single-Cell Multimodal Data using Self-Supervised Learning

2:20 - 2:35 pm **Aurora Elhazaz Fernandez** (Mittnenzweig lab)

Zebraperturb: Decoding Signal-to-Fate Decisions

2:35 - 2:50 pm **Katharina Vogt** (Robson lab)

Dissecting TF function in heterochromatin remodeling during limb development

2:50 - 3:05 pm **Sandhya Mani** (Metzger lab)

Development of Somatic Cell Gene Editing Technology and Delivery in Monogenic Disorders with Complex Gene Architecture

3:05 - 3:20 pm break

3:20 - 3:35 pm **Elisa Armbrecht** (Haas lab)

Decoding and harnessing the impact of immune-experience on the spatio-temporal cellular interaction networks underlying bone healing

3:35 - 3:50 pm **Ali Mamivand** (Pombo lab)

Gene Expression Dynamics in Hippocampal PGNs upon Sleep Deprivation

3:50 - 4:05 pm **Joshua Günther** (Rajewsky lab)

Towards an Interpretable Transcriptomics Latent Space