

1ST NIMSB SYMPOSIUM MEDICAL SYSTEMS BIOLOGY

15TH JANUARY 2025
ITQB AUDITORIUM | OEIRAS

9:00 -12:30

MORNING SESSIONS

- 9:00 **Welcome by António Jacinto**
NIMSB Scientific Director
- 9:30 **Niccolò Areco**
Centre for Genomic Regulation, ES
**REGULATING CHROMATIN THROUGH
ALTERNATIVE SPLICING.**
- 10:00 **Tiago Rito**
The Francis Crick Institute, UK
**SYNTHETIC HUMAN TISSUE DESIGN: TUNING AXIAL
PROGENITORS TO MAKE THE HUMAN BACKBONE.**
- 10:30 **Ilaria Panzeri**
Van Andel Institute, USA
**THE DEVELOPMENTAL ORIGIN OF CANCER
SUSCEPTIBILITY.**

11:00 -11:30

COFFEE-BREAK

- 11:30 **Inês Sequeira**
Queen Mary, UK
**DECODING CELLULAR SYSTEMS: INSIGHTS INTO
REGENERATION, IMMUNITY, AND CANCER
THROUGH SPATIAL AND SINGLE-CELL OMICS.**
- 12:00 **Francesco Gualdrini**
European Institute of Oncology, IT
**DISSECTING CHROMATIN DYNAMICS AND
TRANSPOSABLE ELEMENT ACTIVATION
THROUGH FUNCTIONAL SCREENS AND
INTEGRATIVE COMPUTATIONAL GENOMICS.**

13:00 -14:00

LUNCH

14:00 -17:30

AFTERNOON SESSIONS

- 14:00 **Akanksha Jain**
ETH-Zurich, CH
**HOW MORPHODYNAMICS SHAPE DEVELOPMENT:
FROM EMBRYOS TO ORGANIDS.**
- 14:30 **Sophia Maschalidi**
VIB-UGent Center for Inflammation, BE
**BOOSTING EFFEROCYTOSIS AND MESSAGES FROM
INFLAMMATORY DEATH AID IN TISSUE RECOVERY
AND WOUND HEALING.**
- 15:00 **Bahtiyar Yilmaz**
Inselspital, University of Bern, CH
**EVOLUTIONARY AND ECOLOGICAL DRIVERS OF GUT
MICROBIOTA DIVERSITY AND FUNCTION.**

15:30-16:00

COFFEE-BREAK

- 16:00 **Hagen Tilgner**
Weill Cornell Medicine, USA
**RNA ISOFORMS OF THE CENTRAL NERVOUS SYSTEM
IN DEVELOPMENT AND DISEASES OR SINGLE-CELL
ISOFORMS IN TIME AND SPACE.**
- 16:30 **Mireya Plass Pórtulas**
Bellvitge Institute for Biomedical Research, ES
**POST-TRANSCRIPTIONAL REGULATION AT THE
SINGLE-CELL LEVEL: IMPLICATIONS IN
NEUROGENESIS AND NEURODEGENERATIVE DISEASES.**
- 17:00 **Closing Remarks by Ana Pombo**
MDC representative at NIMSB BoD

17:15

COCKTAIL HOUR