

**Program 33<sup>rd</sup> MGC SYMPOSIUM**  
*Tuesday 30 September, 2025 – KINO Rotterdam*

**8:30 Coffee and Registration**

9:05 Opening: Joost Gribnau

*Chairman: Joost Gribnau/ Sjaak Neefjes*

9:10 **Eva Niggli** (Clinical Genetics, EMC)

*Developing targeted therapy for TSC-Associated Epilepsy: From metabolic intervention to Antisense Oligonucleotides*

9:30 **Fu Wei** (Anatomy and Embryology, LUMC)

*Immune Cell Dynamics in Human Adult Ovary: Insights from Single-Cell Spatial Omics Analysis*

9:50 **Ashutosh Choudhury** (Molecular Genetics, EMC)

*Replication Stress-Induced Chromatin Loops Protect Forks and Maintain Genome Stability*

10:10 **Jurjun van der Velde** (LACDR, UL)

*Splicing factor SRSF7 as a critical regulator of breast cancer metastasis*

**10:30 Coffee/tea**

*Chairman: Ype Elgersma / Bob van de Water*

11:00 **Marien van der Stel** (Developmental Biology, EMC)

*Studying Diamond Blackfan Anemia Syndrome in iPSCs: genetic correction of RPS26 haploinsufficiency*

11:20 **Pedro Sant'Anna Barbosa Ferreira** (Molecular Epidemiology, LUMC)

*The Absence of Genetic Risk for Cardiovascular Diseases in Exceptional Survival (Longevity)*

11:40 **Selçuk Yavuz** (OIC, EMC)

*Chromatin organization by cohesin regulates compartmentalization and transcriptional activity of androgen receptors*

12:00 **Mengyuan Li** (Anatomy and Embryology, LUMC) **winner best talk MGC Workshop 2025**

*Engineering Cas12 with an unbiased domain insertion library screening*

12:20 **Josephine van Asbeck** (Clinical Genetics, LUMC)

*The small vessel disease phenotype associated with monoallelic NOTCH3 loss-of-function variants*

**12:40 Lunch**

*Chairman: Niels Geijsen*

13:50 **Sam Leonard** (Epidemiology and Internal Medicine, EMC)

*Immune Signatures of Smoking: Cytokine and Immunoglobulin Dysregulation and Partial Reversibility in a Population-Based Study*

14:10 **Rosan Kuin** (Cell and Chemical Biology, LUMC)

*Determinants of high fidelity DNA synthesis in the world's most deadliest pathogen *Mycobacterium tuberculosis**

14:30 **Héctor Tejeda** (Developmental Biology, EMC)

*Vitamin K-Dependent Matrix Gla Protein Orchestrates Stromal Reprogramming to Fibrosis in Myeloproliferative Neoplasms*

14:50 **Venda Mangkusaputra** (Human Genetics, LUMC)

*Profiling BRCA1-BRCT interactions and their functional relevance at amino acid-resolution*

15:10 **David Häckes** (Molecular Genetics, EMC)

*Persistent and futile DNA repair can lead to severe Cockayne syndrome phenotypes*

**15:30 Coffee/tea**

*Chairman: Joost Gribnau*

16:00 **MGC Symposium Lecture**

**Ana Pombo** (Johns Hopkins University, Baltimore / Max Delbrück Centrum für Molekulare Medizin, Berlin)

*Specialization of 3D genome structure in different cell types and stimulus responses*

**17:00 Drinks**

**17:30 Dinner buffet @ NIKO's Resto**