

32nd MGC-SYMPOSIUM

Thursday, 26 September, 2024 – Theater Ins Blau, Leiden

Program

- 8:30 Coffee and Registration
- 9:05 Opening: Joost Gribnau
Chairman: Joost Gribnau and Bob van de Water
- 9:10 **Yuting Wang** (LACDR, UL)
Model secondary neural tube with axial stem cells
- 9:30 **Arina Puchkina** (Developmental Biology, Erasmus MC)
Tracing mouse gonadal progenitors: the path towards an in vitro Sertoli cell differentiation model
- 9:50 **Isabel Schuurmans** (Epidemiology, Erasmus MC)
Genetic susceptibility to neurodevelopmental disorders in association to neonatal DNA methylation
- 10:10 **Maja Vukic** (Human Genetics, LUMC)
Combining long-read and single cell approaches to study DNA methylation signatures in human disease
- 10:30 Coffee/tea
Chairman: Niels Galjart and Ype Elgersma
- 11:00 **Jazmin Taeubert** (Molecular Epidemiology, LUMC)
Adults prenatally exposed to the Dutch Famine exhibit a metabolic signature associated with a broad spectrum of common diseases
- 11:20 **Clara Martinez-Mir** (Anatomy and Embryology, LUMC)
Spatial multi-omics in skeletal muscle
- 11:40 **Tim Allertz** (Cellbiologie, Erasmus MC)
The wave complex is a regulator of growth cone actin dynamics during netrin-mediated axon guidance
- 12:00 **Nina Bakker** (Cell and Chemical Biology, LUMC) - *Best talk at MGC workshop 2024*
The journey of the endosome: transport regulation by microtubule-associated proteins
- 12:20 **Sofia Obolenski** (Dermatology, LUMC)
Resolving the functional spectrum of pathogenic Protection of Telomeres (POT1) alleles via Saturation Genome Editing
- 12:40 Lunch
Chairman: Roland Kanaar and Silvère van der Maarel
- 13:50 **Marco Barazas** (Human Genetics, LUMC)
Creating Mutational Signature Catalogues (MUSIC) for DNA double-strand break repair
- 14:10 **Raviprasad Kuthethur** (Molecular Genetics, Erasmus MC)
Defects in fine-tuning of RAD51 loading and unloading causes homologous recombination deficiency in BRCA2 deficient cells
- 14:30 **Quincy van den Bosch** (Clinical Genetics, Erasmus MC)
Utilizing zebrafish xenografts to study high-risk genes associated with poor prognosis in Uveal Melanoma
- 14:50 **Claire Kramer** (Pathology, LUMC)
The rhythm of carcinogenesis – reconstructing the continuum of copy number high endometrial carcinoma evolution
- 15:10 **Sanne Stefens** (Molecular Genetics, Erasmus MC)
Dietary restriction alleviates vascular aging in DNA repair deficient progeroid Ercc1 Δ /- mice
- 15:30 Coffee/tea
Chairman: Roland Kanaar
- 16:00 **MGC Symposium Keynote Lecture**
Fabrizio d'Adda di Fagnana (IFOM ETS - The AIRC Institute of Molecular Oncology, Milan)
Telomere biology in aging and disease
- 17:00 Drinks at Restaurant Leidse Lente (next door)
- 17:45 Dinner buffet