

31st MGC-SYMPOSIUM

Thursday, 7 September, 2023 - KINO, Rotterdam

Program

- 8:45 Coffee and Registration
- 9.10 Opening: Joost Gribnau
Chairman: Joost Gribnau, Niels Galjart
- 9.10 **Aditya Mhaskar** (Developmental Biology, Erasmus MC)
DMC1 mediated homologous recombination repair in mouse ES cells
- 9.30 **Diantha Terlouw** (Clinical Genetics / Pathology, LUMC)
APC mosaicism: prevalence, consequences and underlying causes
- 9:50 **Birol Cabukusta** (Cell and Chemical Biology, LUMC)
Lipid Exchanges Between Organelles at Membrane Contact Sites
- 10.10 **Woutje Berdowski** (Clinical Genetics, Erasmus MC) Best talk at the MGC PhD workshop, Liege, 5-8 June, 2023
TMEM106B modulates myelination by regulating TFEB pathway via lysosomal positioning in oligodendrocytes
- 10:30 Coffee/tea
Chairman: Roland Kanaar
- 11.00 **Marjolein van Sluis** (Molecular Genetics, Erasmus MC)
Transcription-coupled DNA-Protein Crosslink repair by CSB and CRL4CSA-mediated degradation
- 11:20 **Emiel van Genderen** (Celbiology, Erasmus MC)
Growth factors independently control pluripotent state transitions and morphogenesis
- 11.40 **Jorik Bot** (Anatomy en Embryology, LUMC)
CRISPR-Cas13, a specific cell selection tool
- 12.00 **Joyce Wolf van der Meer** (Biochemistry, Erasmus MC)
The involvement of deubiquitinase USP7 in neurodevelopment and disease
- 12.20 **Yixin Luo** (Dermatology, LUMC)
Genetically engineered mouse models of cutaneous lymphomas: from pathogenesis to therapeutic intervention
- 12.40 Lunch
Chairman: Ype Elgersma, Bob van de Water
- 13.50 **Elena Daoutsali** (Human Genetics, LUMC)
Brain organoids as models of neurodegenerative and neurodevelopmental disorders
- 14.10 **Maria Alves** (Pediatric Surgery and Clinical Genetics, Erasmus MC)
Human enteric glia diversity in health and disease: new avenues for the treatment of Hirschsprung disease.
- 14.30 **Lukas Wijaya** (LACDR, UL)
Gene networks-based mechanistic assessment of drug-induced organ toxicity: a focus on liver and kidney
- 14.50 **Pooja Mandaviya** (Epidemiology, Erasmus MC)
Metabolome-wide Association Study of Depression and Anxiety: A meta-analysis between the Tulsa-1000 and Rotterdam Studies
- 15.10 **Dr. Arwin Ralf** (Genetic Identification, Erasmus MC)
Warming up the cold cases: familial searching in forensic genetics.
- 15.30 Coffee/tea
Chairman: Niels Galjart
- 16.00 **MGC Symposium Lecture**
Yves Barral (Institute of Biochemistry, ETH Zürich)
Protecting the eukaryotic cell against exogenous DNA and how this shapes the genome
- 17.00 Drinks
- 17.45 Dinner buffet