



DNA Replication

At the heart of cell fate decisions and cancer development

20-21 November 2024 - NKI Amsterdam, The Netherlands
Room PBA

REGISTRATION

www.nki.nl/news-events/calendar/dna-replication-at-the-heart-of-cell-fate-decisions-and-cancer-development/

POSTER OPPORTUNITIES

30th October 2024 - Contact t.sixma@nki.nl

PROMOTED BY
RepliFate



DNA replication

At the heart of cell fate decisions and cancer development

Wednesday, November 20 2024

- 9.00-9.10 Opening
- 9.10-9.35 **María Elena Torres-Padilla (Helmholtz, Munich)**
Emergence and regulation of replication timing during mammalian development
- 9.40-10.05 **Philippe Pasero (CNRS, Montpellier)**
Cellular responses to replication stress, from stalled forks to inflammation
- 10.10-10.35 **Fred van Leeuwen (NKI, Amsterdam)**
Delineating chromatin rewiring during stress by locus-specific chromatin proteome decoding
- 10.40-10.55 **Marco Barazas (LUMC, Leiden)**
Mutational signature catalogue (MUSIC) of DNA double-strand break repair
- 11.00-11.30 Coffee
- 11.30-11.55 **Julien Duxin (UCPH, Copenhagen)**
Mechanisms of DNA damage bypass
- 12.00-12.25 **Titia Sixma (NKI, Amsterdam)**
Ubiquitin chain trimming regulation in replication and repair
- 12.30-12.40 **Sidrit Uruci (LUMC, Leiden)**
CFAP20 salvages arrested RNAPII from the path of co-directional replisomes
- 12.45-12.55 **Puck Knipscheer (Hubrecht Institute, Utrecht)**
Polymerase Kappa acts in the repair of aldehyde-Induced DNA Interstrand crosslinks
- 13.00-14.00 Lunch
- 14.00-14.25 **Bert Klebl (LDC, Dortmund)**
Lead Discovery Center – Paving the way for innovative medicines
- 14.30-14.55 **Heinz Jacobs (NKI, Amsterdam)**
DNA damage tolerance in physiology and cancer therapy
- 15.00-15.25 **Nitika Taneja (ErasmusMC, Rotterdam)**
Stressed replication bubbles organized into 3-D chromatin loops, coated with heterochromatin and anchored with CTCF for fork protection
- 15.30-15.40 **Sarah Moser (NKI, Amsterdam)**
NASP modulates histone turnover to drive PARP inhibitor resistance
- 15.45-15.55 **Bärbel Lorenz (Lumicks, Amsterdam)**
Accessing the single-molecule level of DNA replication, DNA repair and chromatin organization via a versatile biochemistry platform
- 16.00-18.30 Posters with tea, soft drinks in Tiffany's
- 18.30 Buffet with drinks in Tiffany's

DNA replication

At the heart of cell fate decisions and cancer development

Thursday, November 21 2024

- 9.00-9.25 **Sylvie Noordermeer (LUMC, Leiden)**
Novel approaches to understanding BRCA1's function in DNA double strand break repair
- 9.30- 9.55 **Francesca Mattioli (Hubrecht Institute, Utrecht)**
Mechanism of chromatin assembly during DNA replication
- 10.00-10.25 **Zoi Lygerou (University of Patras, Patras)**
DNA replication licensing aberrations drive replication stress and genomic instability
- 10.30-10.40 **Jolanthe Lingeman (LUMC, Leiden)**
Koolen-de Vries syndrome: A replication-associated disorder?
- 10.45-11.15 Coffee
- 11.15-11.40 **Lorenza Penengo (UZH, Zurich)**
Role of the interferon pathway in DNA replication and genome integrity
- 11.45-12.10 **Jacqueline Jacobs (NKI, Amsterdam)**
Genome stability maintenance at telomeres and stalled replication forks: emerging roles of MAD2L2
- 12.15-12.40 **Emilio Lecona (CBMSO-CSIC, Madrid)**
Exploring the role of VCP/p97 in the control of DNA replication dynamics
- 12.45-13.45 Lunch
- 13.45-14.10 **Matthias Altmeyer (UZH, Zurich)**
Cellular responses to genotoxic stress across the cell cycle
- 14.15-14.40 **María Gómez (CBMSO-CSIC, Madrid)**
Coordination between DNA replication and transcription elongation rates: a requirement for cell plasticity?
- 14.45-15.10 **Juan Méndez (CNIO, Madrid)**
Alleviating replication stress via re-priming of DNA synthesis
- 15.15 Tea and departure

