

Annual Scientific meeting

8 January 2016

Conference Centre De Driehoek, Willemsplantsoen 1c, 3511 LA Utrecht

08.30-09.00 Registration and coffee

09.00-09.05 Opening remarks (session chair: Edwin Cuppen)

09:05-09.20 Liqin Wang (Bernards): A therapeutic intervention based on a vulnerability of drug resistant BRAF mutant melanoma

09:20-09:35 Robin van Geel (Schellens) - Treatment strategies in advanced BRAFm and KRASm colorectal cancer

09:35-09:50 Sasha de Henau (Burgering): Cellular polarization as a model to study spatiotemporal redox regulation

09:50-10:05 Jarno Drost (Clevers): Modelling colorectal cancer in human intestinal organoids

10:05-10:20 Francis Blokzijl (Cuppen): Mutational patterns in human adult stem cells

10:20-10:35 Anna Ressa (Heck): High-throughput (phospho-) proteomics and transcriptomics in colon cancer: an integrated approach to new therapy

10:35-10:50 Evert Bosdriesz (Wessels): Unraveling signaling crosstalk in colorectal cancer, a multi-omics approach

10:50- 11:10 Coffee break

session chair: Puck Knipscheer

11:10-11:25 Marcel Smid (Martens) - Specific mutational signatures impact the immune response in luminal breast cancer

11:25-11:40 Jan Paul Medema: Subtyping colon cancer PDXs

11:40-11:55 Hugo Snippert (Bos): Life and death in patient-derived cancer organoids

11:55-12.10 Martijn Koppens (Van Lohuizen): Great variety between human colorectal cancer organoids in response to EZH2 inhibition

12:10-12:25 Nick Beije (Sleijfer) - Optimal treatment sequence in castration-resistant prostate cancer driven by AR-V7 determination in circulating tumor cells

12:25-13:30 *Lunch*

session chair: Michiel Vermeulen

13:30-13:45 Peter ten Dijke - Regulation of TGF-beta receptor signaling in breast cancer

13:45-14:00 Dylan Mooijman (Van Oudenaarden): Single Cell Hydroxymethylation Reveals Extensive Chromosome-wide Heterogeneity and allows for Lineage Reconstruction

14:00-14:15 Arianna Fumagalli (Van Rheenen): Orthotopic transplantation of tumor organoids as new tool to study colorectal cancer progression in vivo

14:15-14:30 Hannes Lans (Wim Vermeulen): Oxaliplatin-induced DNA damage response

14:30-14:45 Stefano Annunziato (Jonkers): Rapid in vivo testing of tumor suppressors in ILC by CRISPR-Cas9 mediated somatic gene editing

14:45-15:00 Nannette Jelluma (Kops): The impact of different levels of chromosomal instability on cancer

15:00-15:20 *Tea Break*

session chair: Lodewyk Wessels

15:20-15:35 Joppe Nieuwenhuis (Brummelkamp): Regulators of Histone Acylation

15:35-15:50 Jonne Raaijmakers (René Medema): Dissecting the spindle assembly checkpoint using haploid genetics in human cells

15:50-16:05 Rik Lindeboom (M. Vermeulen): A systems biology approach to investigate cell fate in intestinal organoids

16:05-16:20 Krijn Dijkstra (Voest): Exploiting tumor organoids for immunotherapy in colorectal cancer

16:20-16:35 Pavlo Grytsenko (Friedl): p120-catenin dependent glioma-cell networks sustain diffuse brain infiltration

16:35-16:45 Bastiaan Evers (Bernards): Comparison of CRISPR, CRISPRi and shRNA technologies for high throughput screens

16:45 Drinks

17.30- 18.30 CGC group leader meeting (academiegebouw).

AIO's and **Postdocs** of the participating groups are particularly invited to join.

The capacity of the room is limited to 120 participants, so please register online on the CGC.nl website www.cancergenomics.nl