



MGC AIO Course

## Epigenetic Regulation in Health and Disease

Organisers: Prof. dr. Haico van Attikum, Dr. Raymond Poot, Dr. Lucia Daxinger

June 16-18, 2021, online via Zoom

<b>Wednesday June 16</b>	
13.00-13.15	Introduction
13.15-14.00	<b>Joost Gribnau</b> (Dept. of Reproduction and Development, EUR): X-inactivation explained
14.00-14.45	<b>Michiel Vermeulen</b> (Radboud UMC, RIMLS): Deciphering gene expression regulation in health and disease using integrative omics approaches
14:45-15:00	Break
15.00-15.45	<b>Raymond Poot</b> (Dept. of Cell Biology, EUR): Transcription factor networks; their use and how to obtain them
15:45-16:30	<b>Lucia Daxinger</b> (Dept. of Human Genetics, LUMC): Repeat silencing in mammals, why should we care?
<b>Thursday June 17</b>	
13.00-13.45	<b>Bas van Steensel</b> (Division of Gene Regulation, NKI): Architecture and dynamics of genome – nuclear lamina interactions
13.45-14.30	<b>Marianne Rots</b> (Department of Pathology and Medical Biology, UMC Groningen): The curable epigenome
14.30-14.45	Break
14:45-15:30	<b>Haico van Attikum</b> (Dept. of Human Genetics, LUMC): Chromatin and the DNA damage response
15.30-16.15	<b>John van Noort</b> (Leiden Institute of Physics, UL): Biophysical aspects of chromatin structure
<b>Friday June 18</b>	
13.00-13.45	<b>Fred van Leeuwen</b> (Division of Gene Regulation, NKI): Histone protein turnover and inheritance shape the epigenome
13.45-14.30	<b>Alexander van Oudenaarden</b> (Hubrecht Institute): single-cell approaches to study transcription networks
14.30-14.45	Break
14:45-15:30	<b>Francesca Mattioli</b> (Hubrecht Institute): Chromatin dynamics during DNA replication
15.30-16.15	<b>Ralph Stadhouders</b> (Centre for Genomic Regulation, EUR): Nuclear organisation, gene expression and cell fate
16.15-16.30	Concluding remarks

### Contact person:

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