



MGC AIO Course

## Epigenetic Regulation in Health and Disease

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

May 2-3, 2016, building 1, lecture room 4, LUMC

<b>Monday May 2 – lecture room 4, building 1, LUMC</b>	
9.45-10.15	Registration and coffee
10.15-10.30	Introduction
10.30-11.20	<b>Bas van Steensel</b> (Division of Gene Regulation, NKI): Architecture and dynamics of genome – nuclear lamina interactions
11.20-12.10	<b>Haico van Attikum</b> (Dept. of Human Genetics, LUMC): Chromatin and the DNA damage response
12.10-13.00	<b>Michiel Vermeulen</b> (Radboud UMC, RIMLS): Quantitative mass spectrometry-based proteomics for epigenetics
13.00-14.00	Lunch
14.00-14.50	<b>Lucia Daxinger</b> (Dept. of Human Genetics, LUMC): Repeat silencing in mammals, why should we care?
14.50-15.40	<b>Bas Heijmans</b> (Molecular Epidemiology Section, LUMC): Epigenetics: linking early development with adult disease
15.40-15.55	Break
15.55-16.45	<b>John van Noort</b> (Leiden Institute of Physics, UL): Biophysical aspects of chromatin structure
16.45	Concluding remarks
<b>Tuesday May 3 – lecture room 4, building 1, LUMC</b>	
9.40-10.10	Registration and coffee
10.10-11.00	<b>Wouter de Laat</b> (Hubrecht Institute): Nuclear organization and gene expression
11.00-11.50	<b>Raymond Poot</b> (Dept. of Cell Biology, EUR): Transcription factor networks; their use and how to obtain them
11.50-12.40	<b>Hans van Bokhoven</b> (Dept. of Neurogenetics, UMC St. Radboud): The genetics of cognitive epigenetics
12.40-13.40	Lunch
13.40-14.30	<b>Joost Gribnau</b> (Dept. of Reproduction and Development, EUR): X-inactivation X-plained
14.30-15.20	<b>Fred van Leeuwen</b> (Division of Gene Regulation, NKI): Histone protein turnover and inheritance shape the epigenome
15.20-15.45	Break
15.45-16.35	<b>Reuven Agami</b> (Division of Biological Stress Response, NKI): From enhancer RNAs to functional genomics
16.35	Concluding remarks
16.45	<b>Drinks</b>

### Contact person:

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You are expected on Monday May 2 at 10:00 AM at the Leiden University Medical Center, Albinusdreef 2, 2333 ZA Leiden. Route information can be obtained at <https://www.lumc.nl/over-het-lumc/contact/?setlanguage=English&setcountry=en>.

The LUMC is at less than 5 minutes walking distance from Leiden Central Station. Inside the LUMC main building, please follow the signs to the Boerhaaveplein. From there, a spiral staircase takes you to the first floor, lecture hall J1-C4 (**section J, first floor** – room C4) where coffee/tea is waiting.

