



MGC PhD-candidate course

## Epigenetic Regulation in Health and Disease

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

July 2-3, 2026, Leiden University Medical Center, Leiden

| Thursday July 2 – Lecture Hall 2 - LUMC |                                                                                                  |
|-----------------------------------------|--------------------------------------------------------------------------------------------------|
| 9.00-9.15                               | Introduction                                                                                     |
| 9.15-10.00                              | <b>John van Noort</b> (UL): Biophysical aspects of chromatin structure                           |
| 10.00-10.45                             | <b>Lucia Daxinger</b> (LUMC): Epigenetic gatekeepers of immune cell identity                     |
| 10:45-11:00                             | Break                                                                                            |
| 11.00-11.45                             | <b>Raymond Poot</b> (EMC): Transcriptional regulation in human variation and disease             |
| 11:45-12:30                             | <b>Fred van Leeuwen</b> (NKI): Targeting histone methylation in cancer and tumor immunology      |
| 12:30-13:30                             | Lunch                                                                                            |
| 13.30-14.15                             | <b>Tineke Lenstra</b> (NKI): Understanding transcription: one molecule at a time                 |
| 14.15-15.00                             | <b>Haico van Attikum</b> (LUMC): Chromatin and the DNA damage response                           |
| 15:00-15:15                             | Break                                                                                            |
| 15:15-16:00                             | <b>Bas van Steensel</b> (NKI): Architecture and dynamics of genome – nuclear lamina interactions |
|                                         |                                                                                                  |
| Friday July 3 – Lecture Hall 2 - LUMC   |                                                                                                  |
| 9:15-10:00                              | <b>Tuncay Baubec</b> (UU): Exploring chromatin landscapes through engineered reader proteins     |
| 10.00-10.45                             | <b>Francesca Mattioli</b> (Hubrecht): Mechanisms of epigenome inheritance                        |
| 10:45-11:00                             | Break                                                                                            |
| 11.00-11.45                             | <b>Bas Heijmans</b> (LUMC): Genetics: a gateway to understanding epigenetics                     |
| 11.45-12.30                             | <b>Joost Gribnau</b> (EMC): X-inactivation X-plained                                             |
| 12.30-13.30                             | Lunch                                                                                            |
| 13:30-14:15                             | <b>Jop Kind</b> (Hubrecht): Single-cell multiplexed epigenetics                                  |
| 14.15-15.00                             | <b>Ralph Stadhouders</b> (EMC): Nuclear organisation, gene expression and cell fate              |
| 15:00-15:15                             | Break                                                                                            |
| 15:15-16:00                             | <b>Benjamin Rowland</b> (NKI): Genome control by SMC complexes                                   |
| 16:00-16:15                             | Concluding remarks                                                                               |
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