

Advances in Molecular Pathology

Date June 10-11-12 2025

Course organized in collaboration with the CTO program of the Utrecht Graduate School of Life Sciences
Location: Str. 2.106 and Str. 2.112, Stratenum Building (UMC Utrecht)

Day 1: Tuesday June 10th

- 9:00 Opening, and introduction into molecular techniques
Clinical Scientist in Molecular Pathology: Dr. A. M. L. Jansen
- 10:00 Coffee/Tea break
- 10:15 Molecular approaches in Melanoma
Pathologist: Dr. W.A.M. Blokk and Clinical Scientist in Molecular Pathology: Dr. A.M.L. Jansen
- 11:15 Targeted therapy in Lung cancer
Pulmonologist: Dr. Wouter de Jong and Clinical Scientist in Molecular Pathology: Dr. N. Solleveld
- 12:15 Lunch break
- 13:15 Liquid biopsies; in lung cancer
Specialist in Laboratory Medicine: Dr. D. van den Broek, AVL-NKI, Amsterdam
- 14:15 Ethical issues: Unsolicited findings and informed consent
Clinical Geneticist: Dr. B. van Nesselrooij
- 15:00 Coffee/Tea break
- 15:15 Neuro Molecular Tumor Board; case discussions
Pathologist: Dr. P. Wesseling and Clinical Scientist in Molecular Pathology: Dr. W.W.J. de Leng
- 16:15 End

Day 2: Wednesday June 11th

- 9:00 Whole genome sequencing in diagnostics
Medical oncologist: Dr. H.H. Nienhuis and Clinical Scientist in Molecular Pathology: Dr. N. Solleveld
- 10:30 Coffee/Tea break
- 10:45 Practical Session; analyzing a whole genome sequencing report
Clinical Scientists in Molecular Pathology: Dr. A. M. L. Jansen + Dr. N Solleveld.
- 12:15 Lunch break
- 13:15 Molecular Tumor Board – Discuss findings from practical session
Clinical Scientist in MP: Dr. A. M. L. Jansen, Pathologist: Dr. F.W.G. Schutgens and Medical Oncologist Dr. H.H. Nienhuis
- 14:15 Molecular Pathology of Paediatric tumors
Pathologist: Dr. L.S. Hiemcke-Jiwa and Clinical Scientist in Mol. Pathology: Dr. L.A. Kester
- 15:15 Coffee/Tea break
- 15:30 Machine Learning and its use in molecular pathology
Clinical Scientist in Molecular Pathology: Dr. L.A. Kester
- 16:30 End

Day 3: Thursday June 12th, other molecular techniques

- 9:00 Molecular aspects of Gastroenterology in relation to therapy + Lynch Syndrome
Medical oncologist: Dr. R. J. Kwakman and Clinical Scientist in Molecular Pathology: Dr. N. Solleveld
- 10:00 Coffee/Tea break
- 10:15 Detection of gene fusions in FFPE; FISH and Archer
Clinical Scientist in Molecular Pathology in training: Dr. Bas van den Berg
- 11:15 RNA sequencing
Clinical Scientist in Molecular Pathology in training: Dr. M. Koudijs
- 12:00 Lunch break
- 13:00 Molecular approaches in Hematology
Clinical laboratory geneticist: Dr. E. Waanders and pathologist: Dr. R. Leguit
- 14:00 Organization of Molecular Diagnostics within the Netherlands
Clinical Scientist in Molecular Pathology: Dr. Wendy de Leng
- 15:00 Course closure and evaluation
Clinical Scientist in Molecular Pathology: Dr. A. M. L. Jansen
- 15:15 End with drinks