



VIRTUAL

International Workshop on Cancer Genetic & Cytogenetic Diagnostics

March 23 to March 25, 2022

The International Workshop on Cancer Genetic & Cytogenetic Diagnostics, is a course focusing on all aspects concerning cancer (cyto)genetics in a diagnostic setting. Basic technical aspects covering conventional karyotyping, methods and principles in fluorescence *in situ* hybridization (FISH), micro-array genomic profiling, QPCR, gene sequencing and new technologies such as Optical Genome Mapping and Whole Genome sequencing will be presented. In addition to the various laboratory techniques there will be presentations regarding quality assessment, ISCN and HGVS nomenclature and genetic abnormalities in various types of leukemias.

Since most presentations start with basic knowledge and end with up-to-date information regarding cancer genetics, this workshop will be of interest for all who are working in the field of cancer (cyto)genetic diagnostics.

ORGANISING COMMITTEE

Marian Stevens-Kroef, Nijmegen (NL)
Eva van den Berg-de Ruiter, Groningen (NL)
Berna Beverloo, Rotterdam (NL)

INFORMATION AND REGISTRATION

The format of the workshop will be virtual. The fee for participation is €100,00.

The organising committee will offer three grants for virtual participation to the workshop. The grants will be awarded to participants with greatest affinity for the field and need for financial support at the discretion of the organising committee.

For registration and more information please visit: www.radboudumc.nl/workshopcancerogenetics





Program

March 23, 2022

- 10:10 **Welcome and opening**
- 10:15 **Karyotyping**
- 11:00 **FISH**
- 11:45 **Array based genomic profiling**
- 12:30 **LUNCH BREAK**
- 14:00 **(Molecular) diagnostics in MPN and CML**
- 14:45 **Molecular diagnostics: gene panel sequencing**
- 15:30 **ISCN and HGVS nomenclature**
- 16:15 **Closure day 1**

Organizing committee
David Betts
Berna Beverloo
Jacqueline Schoumans

Bert van der Reijden
Peter Valk
Ros Hastings

March 24, 2022

- 10:15 **Myelodysplastic syndromes**
- 11:00 **Acute Myeloid Leukemia**
- 11:45 **Acute Lymphoblastic Leukemia**
- 12:30 **LUNCH BREAK**
- 14:00 **Plasma Cell Neoplasms**
- 14:45 **Lymphoma & mature T- and B-cell neoplasms**
- 15:30 **Chronic Lymphocytic Leukemia**
- 16:15 **Closure day 2**

Julie Schanz
Torsten Haferlach
Anthony Moorman

Brian Walker
Arjan Diepstra
Jon Strefford

March 25, 2022

- 10:15 **Genetics in solid tumors**
- 11:00 **NGS cytogenomics of solid tumors**
- 11:45 **Optical Genome Mapping**
- 12:30 **LUNCH BREAK**
- 14:00 **Genetic predisposition of cancer**
- 14:45 **Quality assessment**
- 15:30 **Future perspective in (cyto)genetic diagnostic testing**
- 16:15 **END of workshop and closing remarks**

Sjoerd van Helvert
Bauke Ylstra
Barbera DeWaele

Marjolijn Jongmans
Ros Hastings
Torsten Haferlach

Time zone: Central European Time

