International Workshop on Cancer Genetic & Cytogenetic Diagnostics

March 20 to March 22, 2019
Radboud University Medical Center, Nijmegen, The Netherlands

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), microarray genomic profiling, MLPA, QPCR, gene sequencing and next generation sequencing will be presented. In addition to the various laboratory techniques there will be presentations regarding quality assessment and genetic abnormalities in various types of leukemia’s and solid cancers. The presentations will be interspersed with practical exercises with the ISCN 2016 system for chromosome aberrations and interpretation of cases. In addition, participants will have the opportunity to present their own observations and cytogenetic findings which are difficult to interpret.

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.

INVITED SPEAKERS
Torsten Haferlach, Munich (D)  
Anthony Moorman , Newcastle (UK)  
Illja Diets, Nijmegen (NL)  
Julie Schanz, Göttingen (D)  
Katrina Rack, Oxford (UK)  
Joop Jansen, Nijmegen (NL)

Bauke Ylstra, Amsterdam (NL)  
Arjan Diepstra, Groningen (NL)  
Brian Walker, Sutton (USA)  
Jon Strefford, Southampton (UK)  
Peter Valk, Rotterdam (NL)  
Ad Geurts van Kessel, Nijmegen (NL)  
Bertil Johansson, Lund (S)  
Jacqueline Schoumans, Lausanne (CH)  
Bert van der Reijden, Nijmegen (NL)  
David Betts, Dublin (I)

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

INFORMATION AND REGISTRATION
The fee of €500,00 (reduced fee of €350,00 for technicians/trainees) includes drinks, lunches, all course materials and two conference dinners. The organising committee will offer three grants, which include the registration fee, travel expenses and accommodation. The grants will be awarded to participants who are most in need of financial support at the discretion of the organising committee.

Further information and registration: www.radboudumc.nl/workshopcancergenetics
Program

March 20, 2019

9:00 Welcome
9:10 Chronic Myelogenous Leukemia and MPN Ad Geurts van Kessel
10:00 Myelodysplastic syndromes Julie Schanz
10:50 BREAK
11:20 Karyotyping David Betts
12:10 Acute Myeloid Leukemia Bertil Johansson
13:00 LUNCH (including booth visit and lunch presentation)
14:20 FISH Berna Beverloo
15:10 Acute Lymphoblastic Leukemia Anthony Moorman
16:00 BREAK
16:20 Cytogenetic nomenclature and practical exercises with ISCN Marian Stevens-Kroef
17:30 END
18:30 Conference dinner; restaurant “De Hemel”

March 21, 2019

9:00 Array based genomic profiling Jacqueline Schoumans
9:50 Solid tumors David Betts
10:40 BREAK
11:10 NGS cytogenomics of solid tumors Bauke Ylstra
12:00 Molecular diagnostics (MLPA, QPCR) Bert van der Reijden
12:50 LUNCH (including booth visit and lunch presentation)
14:10 NGS: gene panel sequencing and data interpretation Peter Valk
15:10 Chronic Lymphocytic Lymphoma Jon Strefford
16:00 END
16:45 Guided city walk
19:00 Conference dinner at “Pannenkoekenboot”

March 22, 2019

9:00 Lymphoma & other mature T- and B-cell neoplasms Arjan Diepstra
9:50 Plasma Cell Neoplasms Brian Walker
10:40 BREAK
11:10 Genetic predisposition of cancer Illja Diets
12:00 Quality Assessment Katrina Rack
12:50 LUNCH (including booth visit and lunch presentation)
13:50 Practical exercises in integration of diagnostic analyses Eva van den Berg
14:50 Genetic analysis of Clonal evolution Joop Jansen
15:10 Future perspective in (cyto)genetic diagnostic testing Torsten Haferlach
16:10 END