



## **5<sup>th</sup> International workshop on Cancer Genetic & Cytogenetic Diagnostics** **March 23 to March 25, 2017** **Radboud university medical center, Nijmegen, The Netherlands**

This course will focus on all aspects concerning cancer genetics and cancer cytogenetics in a diagnostic setting. Basic technical aspects covering conventional karyotyping, methods and principles in fluorescence *in situ* hybridization (FISH), micro-array 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 leukaemia's and solid cancers. The presentations will be interspersed with practical exercises with the ISCN 2016 system for chromosome aberrations, interpretation of cases, and use of databases. Participants will have the opportunity to present their own observations and cytogenetic findings which are difficult to interpret. Since most presentations starts with basic knowledge and ends with most up to date information regarding cancer genetics, this workshop will be of interest for who are working in the field of cancer (cyto)genetic diagnostics.

### **INVITED SPEAKERS**

Torsten Haferlach, Munich  
Anthony Moorman , Newcastle  
Annet Simons, Nijmegen  
Marjolijn Jongmans, Nijmegen  
Julie Schanz, Göttingen

Bauke Ylstra, Amsterdam  
Philip Kluin, Groningen  
Ros Hastings, Oxford  
Brian Walker, Little Rock  
Jon Strefford, Southampton  
Aniek de Graaf, Nijmegen

Ad Geurts van Kessel, Nijmegen  
Bertil Johansson, Lund  
Jacqueline Schoumans, Lausanne  
Bert van der Reijden, Nijmegen  
David Betts, Dublin

### **ORGANISING COMMITTEE**

Marian Stevens-Kroef, Nijmegen  
Eva van den Berg, Groningen  
Berna Beverloo, Rotterdam

### **INFORMATION AND REGISTRATION**

The fee of €500,00 includes the drinks, lunches and two dinners during the workshop , all course materials and two conference dinners. The organising committee will offer three grants, which includes the registration fee but excludes travel expenses and accommodation. The grants will be awarded to participants who are most in need of financial support.

Further information and registration:  
[www.paoheyendael.nl/cancergenetics2017](http://www.paoheyendael.nl/cancergenetics2017)



# Program

## March 23, 2017

9:00	Welcome	
9:10	Chronic Myelogenous Leukemia	Ad Geurts van Kessel
10:00	Myelodysplastic syndromes	Julie Schanz
10:50	BREAK	
11:20	Karyotyping	Ros Hastings
12:10	FISH	Berna Beverloo
13:00	LUNCH + booth visit	
14:15	Cytogenetic nomenclature and practical exercises with ISCN	Annet Simons
15:20	BREAK	
15:50	Acute Myeloid Leukemia	Bertil Johansson
16:40	Acute Lymphoblastic Leukemia	Anthony Moorman
17:30	End and Conference dinner	

## March 24, 2017

9:00	Array based genomic profiling	Jacqueline Schoumans
9:40	Molecular diagnostics (MLPA, QPCR)	Bert van der Reijden
10:20	NGS and use of gene panels in daily practice	Aniek de Graaf
10:50	BREAK	
11:20	Karyotyping and FISH of solid tumor	David Betts
12:10	NGS cytogenomics of solid tumors	Bauke Ylstra
13:00	LUNCH + booth visit	
14:20	Genetic predisposition of cancer	Marjolijn Jongmans
15:10	Chronic Lymphocytic Lymphoma	Jon Strefford
16:00	Break and Guided city walk	
18:30	Conference dinner	

## March 25, 2017

9:00	Lymphoma	Philip Kluin
9:50	Plasma Cell Neoplasms	Brian Walker
10:40	BREAK	
11:10	Practical exercises in cases and database use	
12:40	LUNCH	
13:40	Quality Assessment	Ros Hastings
14:30	Integration of diagnostic analysis	Torsten Haferlach
15:20	BREAK	
15:50	New Technologies in tumor genetics	Torsten Haferlach
16:40	END	