MOLECULAR PATHOLOGY FOR MOLECULAR BIOLOGISTS: CURRENT PRACTICE AND FUTURE OPPORTUNITIES

Monday, 26 and Tuesday, 27 September 2016

The symposium will address current practice and future developments of molecular diagnostics within pathology. Unique insights into the practical application of state-of-the-art molecular diagnostics in pathology laboratories will be presented. The presentations will be interactive with participation of the audience and there will be ample time for discussions. The symposium will focus on the interests of molecular biologists working in pathology molecular diagnostics.

Topics include:

- Current and future application of NGS in routine pathology molecular diagnostics: the Cologne experience.
- Pathology molecular diagnostics: a multidisciplinary approach
- Tumour BRCA testing, germline and somatic diagnostics, ethics
- Quality assurance and EQA
- The French Organization and EQA of molecular Diagnostics
- Molecular tumour profiling
- Bio-informatics
- Liquid biopsies

Organizers of the symposium for molecular biologists:

- Prof. Dr. Els Dequeker, Biomedical Quality Assurance Research Unit, Department of Public Health and Primary Care, KU Leuven-University of Leuven, Leuven, Belgium
- Dr. Marjolijn Ligtenberg, Department of Pathology, Radboud university medical center, Nijmegen, The Netherlands
- Dr. Sabine Merkelbach-Bruse, Institute of Pathology, University Hospital Cologne, Cologne, Germany
- Dr. Jan Sperveslage, Gerhard-Domagk-Institute of Pathology, University Hospital Muenster, Muenster, Germany
- Dr. Winand Dinjens, Department of Pathology, Erasmus MC Cancer Institute, Rotterdam, The Netherlands

REGISTRATION FEES

<table>
<thead>
<tr>
<th>Registration and payment received</th>
<th>by 15 July 2016 EUR</th>
<th>after 15 July 2016 EUR</th>
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<tbody>
<tr>
<td>Two day symposium</td>
<td>150,00</td>
<td>200,00</td>
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Two Day Symposium for Molecular Biologists involved in Molecular Pathology Diagnostics and Research

XXXI International Congress of the IAP and 28th Congress of the ESP
25 – 29 September 2016, Congress-Centrum Ost Koelnmesse, Cologne, Germany

Monday, 26 September 2016

08:30 – 12:00  Current and future application of NGS in routine pathology molecular diagnostics
A look behind the scenes of the Laboratory for Pathology Molecular Diagnostics in Cologne
Sabine Merkelbach-Bruse and colleagues
Tissue collection, tissue selection, DNA/RNA isolation, NGS panels, NGS platforms, data analysis, bio-informatics pipeline, sensitivity, reporting, storage of data, QC/QA/validation, pitfalls, future perspectives
09:30 – 10:30  Break
14:45 – 16:45  NGS molecular diagnostics: A multidisciplinary approach
14:45 – 15:30  Pathology molecular diagnostics: Expansion of the tumour spectrum
David Gonzalez de Castro
15:30 – 16:15  BRCA testing in tumour tissues, including ethical issues
Peter Schirmacher
16:15 – 16:45  Panel discussion/questions: Pathology molecular diagnostic: Different disciplines working together BRCA testing in tumour tissue
17:15 – 19:15  Quality assurance and EQA symposium
Improving quality implementation:
› A multi-stakeholder forum for improving quality in biomarker assessment
› New technologies – how can EQA help
› Important learning curve by participating in EQA schemes
Els Dequeker

Tuesday, 27 September 2016

08:30 – 12:00  Pathology molecular diagnostics state-of-the-art in France
08:30 – 09:00  The French Organization of Oncology Molecular Diagnostics
Frédérique Nowak
09:00 – 09:30  Oncology molecular diagnostic testing and EQA in France
Etienne Rouleau
09:30 – 10:30  Break
10:30 – 11:15  Molecularly targeted therapy based on tumour molecular profiling: SHIVA study
Christophe le Tourneau
11:15 – 12:00  Selected abstracts
14:45 – 16:45  What do you need to know about bio-informatics?
14:45 – 15:25  Bio-informatics experience from the COSMIC data base
David Beare
15:25 – 16:05  Bio-informatics in daily pathology molecular diagnostics practice
Jan Budczies
16:05 – 16:45  Validation of bio-informatic pipelines
Karl Kashofer
17:15 – 19:15  Are liquid biopsies the future?
17:15 – 17:55  High-sensitive detection of EGFR mutations in circulating free tumour DNA
Nicola Normanno
17:55 – 18:35  Monitoring GIST patients by detection of blood derived ctDNA
Ed Schuuring
18:35 – 19:15  ctDNA detection experience, research, diagnostics, validation
Sabine Merkelbach-Bruse