



## Workshop on Tools for DNA sequencing and resequencing in diagnostics

14<sup>th</sup> of January 2010  
Harnack-Haus, Berlin, Germany

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### Session I – Introduction

|                  |                                     |                      |
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| 8.30am - 9.00am  | Arrival and Registration            |                      |
| 9.00am - 9.15am  | “Welcome and table rond”            |                      |
| 9.15am - 9.30am  | “The <b>READNA</b> Consortium”      | <b>Ivo Gut</b>       |
| 9.30am - 9.45am  | “The <b>EuroGentest</b> Consortium” | <b>Gert Matthijs</b> |
| 9.45am - 10.00am | “The <b>TECHGENE</b> Consortium”    | <b>Hans Scheffer</b> |

### Session II – Sequencing Technologies

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|-------------------|-------------------------------------------------------------------------------------------------|--------------------------|
| 10.00am - 10.15am | “Introducing the Illumina HiSeq 2000 - highest accuracy and throughput for clinical sequencing” | <b>Abizar Lakdawalla</b> |
| 10.15am - 10.30am | “Human resequencing using the 454 sequencing technology”                                        | <b>Marcus Droege</b>     |
| 10.30am - 10.45am | “ <b>SOLiD</b> -Sequencing: The right answer the first time - why accuracy matters”             | <b>Roland Wicki</b>      |
| 10.45am - 11.00am | “The 3rd Generation: Towards Really Useful Sequencing Technology”                               | <b>Kalim Mir</b>         |
| 11.00am - 11.30am | <b>Coffee</b>                                                                                   |                          |

### **Session III – Diagnostic Needs and Technologies**

- 11.30am - 11.45am “Biomolecules and predictive value” **Ivo Gut**
- 11.45am - 12.00pm “Next-generation sequencing in an academic medical hospital” **Johan den Dunnen**
- 12.00pm - 12.15pm “Clonal sequencing technologies: considerations for diagnostic service delivery” **Chris Mattocks**
- 12.15pm - 12.30pm “Interpretation of sequencing results by clinicians: example of cystic fibrosis” **Milan Macek**
- 12.30pm - 13.00pm *Discussion*
- 13.00pm - 14.00pm **Lunch**

### **Session IV – Upstream/Downstream Technologies**

- 14.00pm - 14.15pm “Target enrichment using selector probes” **Olle Ericsson-Mats Nilsson**
- 14.15pm - 14.30pm “Employing Multiplexed Target Enrichment for HT-Molecular Profiling” **Markus Beier-Andre Franke**
- 14.30pm - 14.45pm “Mass spectrometry tools for classification and identification of bacteria” **Sascha Sauer**
- 14.45pm - 15.00pm “Array-DASH: A Method for Mendelian Gene Resequencing, Pathogen Identification, Cancer Profiling, and Non-Invasive Prenatal Diagnostics” **Anthony Brookes**
- 15.00pm - 15.15pm *Discussion*
- 15.15pm - 15.45pm **Coffee**

### **Session V – Wrap Up**

- 15.45pm - 16.00pm “Towards routine clinical application of sequencing, perspectives from a global healthcare company” **Pieter van der Zaag**
- 16.00pm - 17.00pm *Discussion/End*
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