



CDDF IMMUNOTHERAPY TECHNOLOGY FORUM

IMMUNO BIOMARKER DEVELOPMENT IN THE PERIPHERAL BLOOD

VIENNA, AUSTRIA 7–8 DECEMBER 2015

PROGRAMME



Day 1 Monday 07th December 2015

- 13:30 **Welcome and Introduction: a clinical point of view**
Heinz Zwierzina (University of Innsbruck – CDDF Chairman, Austria)

SESSION 1: PRECLINICAL BIOMARKER DEVELOPMENT

*Session chairs: Barbara Seliger (Martin Luther University, Germany)
Industry chair to be announced*

- 13:50 **Challenges of the development of IVDs**
Hans-Dieter Zucht (Protagen AG, Germany)
- 14:10 **3D cell co-culture technologies**
Arno Amann (University of Innsbruck, Austria)
- 14:30 **Humanised mouse model for immune biomarkers development**
Annika Wulf-Goldenberg (Experimentelle Pharmakologie & Onkologie Berlin-Buch GmbH, Germany)
- 14:50 **Plasma protein profiling using recombinant antibody microarrays**
Carl Borrebaeck (Lund University, Sweden)
- 15:10  **Round Table**
- 15:30  Break

SESSION 2: FROM BIOPSY TO PERIPHERAL BLOOD

*Session chairs: Serafino Pantano (Novartis, Switzerland)
Hans Hendriks (Hendriks Pharmaceutical Consulting, The Netherlands)*

- 16:00 **Keynote Lecture: Are blood based biomarkers the key to select for efficient cancer immunotherapies?**
Michael Cannarile (Roche Diagnostics GmbH, Germany)
- 16:30 **Circulating DNA**
Alberto Bardelli (University of Torino, Italy)
- 16:50 **Mutational analysis for decision making for immunotherapy**
Diether Lambrechts (University of Leuven, Belgium)
- 17:10 **Pharmacometabolomics of breast cancer patients receiving adjuvant endocrine therapy**
Herbert Oberacher (Institute of Legal Medicine and Core Facility Metabolomics, Austria)
- 17:30  **Round Table: pros and cons of PB assays**
- 18:00 End of First Day 1
- 19:00  Networking Dinner (Hilton Danube - Waterfront Kitchen)

Day 2 Tuesday 08th December 2015

SESSION 3 : INDIVIDUALIZED DIAGNOSTICS

Session chairs: Marnix Bosch (Northwest Biotherapeutics, USA)

Heinz Zwierzina (University of Innsbruck, Austria)

- 08:00 **Keynote Lecture: Individualized diagnostics (i.e “molecular typing”) versus subgroup analysis**
Jim Garrett (Novartis, USA)
- 08:30 **Non-invasive imaging of immunotherapy: correlation with peripheral and tissue based biomarkers**
Tapan Nayak (Roche, Switzerland)
- 08:50 **Liquid biopsy for the detection of EGFR mutation status - an EMA approved assay**
Michael Kazinski (Qiagen, Germany)
- 09:10 **Circulating DNA and tumour heterogeneity**
Charlie Massie (CRUK Cambridge Institute, UK)
- 09:30 **Diagnostic and prognostic potential of serum miRNAs**
Heidi Schwarzenbach (University Medical Center Hamburg-Eppendorf, Germany)
- 09:50 **From cancer epigenetics to epigenetic immunotherapy of cancer**
Michele Maio (University Hospital of Siena, Italy)
- 10:10  Break

SESSION 3 : INDIVIDUALIZED DIAGNOSTICS (continued...)

Session chairs: Kevin Lye (Northwest Biotherapeutics, USA)

Michele Maio (University Hospital of Siena, Italy)

- 10:40 **Cytokine responsiveness of CD8+ T cells is a reproducible biomarker for the clinical efficacy of dendritic cell vaccination in glioblastoma patients**
Robert Prins (UCLA, USA)
- 11:00 **Multicolour immunofluorescence**
Bjoern Wendik (PerkinElmer, Germany)
- 11:20 **Proteomics**
Richard Hockett (Biosesix, USA)
- 11:40 **Exosomes and cell-free DNA as a platform for biomarker development**
Daniel Enderle (Exosome Diagnostics GmbH, Germany)
- 12:00 **Wrap up and future activities**
Meeting chairs
- 12:20  Lunch

Aim of the workshop

To investigate on upcoming biomarker technologies for application in the peripheral blood that are in the process of development and validation.

The initiative aims to:

- Involve both research carried out by industry and academic centres to bring together a critical mass of centres/companies involved in biomarker research.
- Involve upcoming technologies with the potential to replace repeated biopsies
- Do retrospective analysis with the goal to define prospective/ predictive markers.

Meeting Chairs

- Michele Maio (University Hospital of Siena, Italy)
- Stefan J. Scherer (Novartis, USA)
- Barbara Seliger (Martin Luther University, Germany)
- Heinz Zwierzina (University of Innsbruck, Austria)
- **Scientific Coordinator:** Hans Hendriks (Hendriks Pharmaceutical Consulting, The Netherlands)

Venue

Hotel Hilton Waterfront Danube
Handelskai 269
1020 Wien, Austria

www.cddf.org