## Saturday 7 July 2012

### Mühlbock Lecture

**Lgr5 Stem Cells in Self-renewal and Cancer**  
Speaker: H. Clevers (NL)

### ASEICA Lecture

**Micrometastasis Niches, Signals and Pathways**  
Speaker: J. Massagué (USA)

### Symposium: Cancer Genomics

**Genomic Analysis of Human Tumours for Guiding Therapeutic Selection**  
Speaker: C.M. Perou (USA)

**The Genomic Landscapes of Breast Cancer and Their Clinical Relevance**  
Speaker: C. Caldas (United Kingdom)

*Presenter to be selected from best abstract*

**Using Whole Genome Sequencing for Digital Analysis of Tumour Evolution**  
Speaker: E.R. Mardis (USA)

### Symposium: Immunotherapy of Cancer as the Most Personalised Cancer Treatment

**Immunotherapy of High Risk HPV infections**  
Speaker: C.J.M. Melief (The Netherlands)

**Immunogenicity of Cell Death During Chemotherapy: Novel Tools Towards the Personalization of Breast Cancer Treatment**  
Speaker: G. Kroemer (France)

*Presenter to be selected by best abstract*

**Novel Predictors of Response to Tyrosine Kinase Inhibitors: The Paradigm of KIT+ Malignancies and NK Cell Attack**  
Speaker: L. Zitvogel (France)

### Symposium: DNA Damage and Genome Instability

**Unexpected New Insights Into ATM and p53**  
Speaker: M. Kastan (USA)

**The Molecular Basis for Replication-Induced DNA Damage in Early Stages of Cancer Development**  
Speaker: B. Kerem (Israel)

*Presenter to be selected from best abstract*

**DNA Damage and Genomic Instability in Cancer Development: Mechanisms and Opportunities for Targeted Treatment**  
Speaker: J. Bartek (Denmark)

### The Pezcoller Foundation – EACR Cancer Researcher Award Lecture

**From Normal Cells to Cancer Stem Cells, from Transformation Mechanism to Targeted Therapy: a Leukemia Prospective**  
Speaker: C.W. So (UK)

### Opening Ceremony: Opening Lecture and Reception

**Personalised Cancer Treatment**  
Speaker: J. Mendelsohn (USA)

## Sunday 8 July 2012

### Educational Lecture: Sequencing

**Sequence**  
Speaker: H. Yang (China)

### Educational Lecture: How to Make Drugs

**How do we Make Drugs**  
Speaker: J. Yingling (USA)

### Educational Lecture

**How Do We Study Network Pertubations in Clinical Specimens? How do we Select “Drivers” of Malignancies?**  
Speaker: S. Friend (USA)

### Meet the Editor: Inside Nature

**Meet the Editor: Inside Nature**  
Speaker: B. Marte (United Kingdom)
Meet the Expert: Meet the ERC
09:00 - 09:45
Speaker: C.H. Heldin (Sweden)

Meet the Expert: Meet the Pharma Industry
09:00 - 09:45
Speaker: R. Bergström

Symposium: Epigenetics
10:15 - 12:00
Chair: M. Esteller (Spain)
Current Views of the Cancer Epigenome and the Translational Implications
Speaker: S.B. Baylin (USA)
Defining the Functional Cancer Epigenome
Speaker: J.G. Herman (USA)
Presenter to be selected from best abstract
Human Cancer Epigenetics
Speaker: M. Esteller (Spain)

Symposium: Viruses and Cancer
10:15 - 12:00
Chair: D. Lowy (USA)
Hepatitis C Virus: Pathogenesis, Immunology and Intervention
Speaker: C. Rice (USA)
Epstein-Barr Virus: Pathogenesis and Immunobiology
Speaker: A.B. Rickinson (UK)
Presenter to be selected from best abstract
Current and Future Vaccines to Prevent HPV-associated Cancers
Speaker: D. Lowy (USA)

Symposium: Ageing and Cancer
10:15 - 12:00
Chair: M. Serrano (Spain)
Telomeres and Telomerase as Therapeutic Targets for Cancer and Aging
Speaker: M.A. Blasco (Spain)
Mechanisms of Aging and Longevity
Speaker: A. Brunet (USA)
Presenter to be selected from best abstract
Ageing and Cancer: the Somatotropic Link
Speaker: M. Holzenberger (France)

EMBO Lecture
12:15 - 13:00
Cancer Genomics
Speaker: M. Stratton (United Kingdom)

Young Cancer Researcher’s Workshop
13:00 - 14:00
How to be Effective in Applying for Fellowships
Coordinator: To be announced

OECI Lecture: Cancer Systems Biology
14:30 - 15:15
Systems Approaches to Cancer and Other Diseases
Speaker: L. Hood (USA)

Anthony Dipple Carcinogenesis Award Lecture
15:15 - 16:00
Causes and Consequences of microRNA Dysregulation in Cancer
Speaker: C. Croce (USA)

The Susan G Komen® for the Cure Supported Symposium: Susceptibility Genes
17:30 - 19:15
Chair: B. Ponder (United Kingdom)
The COGS (Collaborative Oncological Gene-environment Study): Progress and Results
Speaker: D. Easton (United Kingdom)
The Search for Rare Variants That Contribute to Cancer Susceptibility
Speaker: F. Lesueur (France)
Presenter to be selected from best abstract
Clinical Applications of GWAS Data: Lessons from Breast and Prostate Cancer
Speaker: B. Ponder (United Kingdom)

Symposium: Inflammation and Microenvironment
17:30 - 19:15
Chair: M. Karin (USA)
Targeting Cytokine Networks in Malignancy
Speaker: F. Balkwill (United Kingdom)
Tumour Promoting Macrophages and Immune Cells
Speaker: A. Mantovani (Italy)
Presenter to be selected from best abstract
Control of Tumour Progression and Metastasis by Lymphocyte-Produced Cytokines
Speaker: M. Karin (USA)

Symposium: Cell Death / Autophagy
17:30 - 19:15
Chair: S. Cory (Australia)
Autophagy and Cancer
Speaker: E.P. White (USA)
Regulation of Inflammation and Cell-Death Through Interactions of RHoM-domain Protein Kinases With Caspase-8
Speaker: D. Wallach (Israel)
Presenter to be selected from best abstract
Regulation of Apoptosis by the Bcl-2 Family
Speaker: S. Cory (Australia)

Monday 9 July 2012

Educational Lecture: Bioinformatics
08:00 - 08:50
Speaker: P. Bork (Germany)

Educational Lecture: Statistical Challenges in the Development of Reliable and Clinically Meaningful Biomarkers
08:00 - 08:50
Speaker: L. McShane (USA)
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00 - 08:50</td>
<td>Educational Lecture: The use of Metabolomics to Discover Novel Metabolic Networks and new Targets for Cancer Treatment</td>
</tr>
<tr>
<td>09:00 - 09:45</td>
<td>Meet the Expert: How to Organise Cancer Research</td>
</tr>
<tr>
<td>09:00 - 09:45</td>
<td>Meet the Expert: Functional Imaging</td>
</tr>
<tr>
<td>09:00 - 09:45</td>
<td>Meet the Expert: Nutrition and Cancer Prevention - World Cancer Research Fund (WCRF)</td>
</tr>
<tr>
<td>10:15 - 12:00</td>
<td>Symposium: Mouse Models</td>
</tr>
<tr>
<td>10:15 - 12:00</td>
<td>Symposium: Stem Cells</td>
</tr>
<tr>
<td>10:15 - 12:00</td>
<td>Symposium: Molecular Insights into Invasion and Drug Resistance</td>
</tr>
<tr>
<td>12:15 - 13:00</td>
<td>FEBS Lecture: Targeted Cancer Therapy Development</td>
</tr>
<tr>
<td>13:00 - 14:00</td>
<td>Young Cancer Researcher’s Workshop</td>
</tr>
<tr>
<td>14:30 - 15:15</td>
<td>Ramon Areces Foundation Lecture</td>
</tr>
<tr>
<td>15:15 - 16:00</td>
<td>Carcinogenesis Young Investigator’s Award Lecture</td>
</tr>
<tr>
<td>17:30 - 19:15</td>
<td>Symposium: Targeted therapies / Signalling Pathways</td>
</tr>
<tr>
<td>17:30 - 19:15</td>
<td>Symposium: Angiogenesis</td>
</tr>
<tr>
<td>17:30 - 19:15</td>
<td>Symposium: Tumour Metabolism</td>
</tr>
</tbody>
</table>

Speaker: E. Gottlieb (United Kingdom)  
Speaker: A. Levitzki (Israel)  
Speaker: N. Jones (United Kingdom)  
Speaker: M. Schwaiger (Germany)  
Speaker: M. Wiseman (United Kingdom)  
Chair: M. Barbacid (Spain)  
Chair: A. Trumpp (Switzerland)  
Chair: A. Trumpp (Switzerland)  
Chair: D.A. Haber (USA)  
Chair: A. Levitzki (Isreal)  
Chair: M. Barbacid (Spain)  
Chair: K. Alitalo (Finland)  
Chair: T.W. Mak (Canada)  
Speaker: G.I. Evan (United Kingdom)  
Speaker: J. Jonkers (The Netherlands)  
Speaker: M. Harris (United Kingdom)  
Speaker: A.L. Harris (United Kingdom)  
Presenter to be selected from best abstract  
Presenter to be selected from best abstract  
Presenter to be selected from best abstract  
Presenter to be selected from best abstract  
Presenter to be selected from best abstract  
Presenter to be selected from best abstract  
Presenter to be selected from best abstract  
Presenter to be selected from best abstract  
Presenter to be selected from best abstract  
Presenter to be selected from best abstract  
Presenter to be selected from best abstract  
Presenter to be selected from best abstract  
Presenter to be selected from best abstract  
Title: To be confirmed  
Targeting JAK-STAT Signalling for Cancer Therapy  
Targeting the Immune System to Cancer  
Mechanisms of Resistance to Anti-VEGF Treatment - New Therapeutic Strategies  
Anti-angiogenesis: Novel Strategies  
Targeting Multiple Endothelial Growth Factor Pathways  
Roles of p53 in the Control of Metabolic Pathways  
Profiling Metabolism for Cancer Biomarker Discovery  
Exploiting Cancer Cell Metabolism: Can it be Done?
**Tuesday 10 July 2012**

**Educational Lecture: Proteomics Technology**
08:00 - 08:50
Mass Spectrometric Strategies for Protein Biomarker Discovery and Validation
Speaker: R. Aebersold (Switzerland)

**Educational Lecture: The A-Z of Clinical Trials**
08:00 - 08:50
The A-Z of Clinical Trials - Clinical Trial Design Incorporating Efficacy, Translational and Biomarker Endpoints
Speaker: E.A. Eisenhauer (Canada)

**Educational Lecture: Immunotherapy**
08:00 - 08:50
Cancer Immunotherapy: Strategies for Enhancing its Activity in Cancer Patients
Speaker: F. Belardelli (Italy)

**Meet the Expert: Molecular Diagnostic**
09:00 - 09:45
Molecular Diagnostics in Breast Cancer: Getting Beyond ER, PR, HER2 and Proliferation
Speaker: J. Reis-Filho (United Kingdom)

**Meet the Expert: Biobanking**
09:00 - 09:45
Speaker: P.H.J. Riegman (the Netherlands)

**Meet the Expert: Systems Biology in Cancer**
09:00 - 09:45
Speaker: Y. Yarden (Israel)

**FEBS Molecular Oncology Supported Symposium: Personalised Medicine**
10:15 - 12:00
Chair: T. Tursz (France)
Interrogating the Genome to Find Mechanisms of Drug Resistance in Cancer
Speaker: R. Bernards (The Netherlands)
New Targeted Agents in Development for Cancer Treatment
Speaker: J.C. Soria (France)

**Symposium: Melanoma, an Example of Translational Research**
10:15 - 12:00
Chair: R. Marais (United Kingdom)
The Basics of Melanoma Cell Signalling
Speaker: R. Marais (United Kingdom)
Treating metastatic melanoma with the BRAF inhibitor vemurafenib and mechanisms of resistance
Speaker: P. Chapman (USA)

**Symposium: Metastases and EMT**
10:15 - 12:00
Chair: J. Thiery (Singapore)
MicroRNAs, EMT and Cancer Stem Cells
Speaker: T. Brabletz (Germany)
Regulation of Epithelial Plasticity and Metastasis of Breast Carcinoma by Lysyl Oxidase-like 2 (LOXL2)
Speaker: A. Cano (Spain)

**Closing Session**
12:00 - 12:15
Closing Remarks
Poster Awards
EACR-22 Highlights

**Mike Price Gold Medal Award Lecture**
12:15 - 13:15
The Future of Personalised Medicine
Speaker: J. Baselga (USA)

**Pre-Congress Symposia**
Prior to the start of the EACR Congress on Saturday afternoon, there will be a choice of two pre-congress symposia for interested participants.

**Translational Research in Early Clinical Drug Development**
Seve Ballesteros Foundation Symposium on Brain Cancer
There is no additional registration fee to attend a symposium and we hope that you will find that the choice of special conferences will add extra interest and value to your EACR congress experience.

Please register for the symposium you wish to attend on the special EACR-22 congress website:

[http://eacr22.eacr.org](http://eacr22.eacr.org)

**More information**
For more information on the programme, an A-Z list of all speakers and Pubmed/research links, visit the special congress website: [http://eacr22.eacr.org](http://eacr22.eacr.org)