

## Oral Program

### Sunday, December 11, 2016

11:00-13:30 **Registration**

13.30-13.40 Welcome and Introduction | *Room:* Auditorium

**13:30-17:15 Session 1: Tumor Metabolism**

*Session Chair:* Diether Lambrechts

13.40-14.30 **Lewis Cantley**, *Weill Cornell, USA*

PI 3-Kinase and Cancer Metabolism **[KEY01]**

14.30-15.00 **Karen H. Vousden**, *The Beatson Institute, UK*

A role for p53 in the adaptation to metabolic stress **[INV01]**

15.00-15.15 **[ST01] Clinical proteomics of invasive breast carcinoma reveals a major role for proline metabolism in imparting drug resistance**

A. Shenoy<sup>\*1</sup>, I. Marin<sup>2</sup>, N. Balint<sup>2</sup>, N. Bossel<sup>3</sup>, G. Peri<sup>2</sup>, A. Pavlovsky<sup>2</sup>, I. Barshack<sup>2</sup>, B. Kaufman<sup>2</sup>, M. Dadiani<sup>2</sup>, T. Geiger<sup>1</sup>

<sup>1</sup>Tel Aviv University, Israel, <sup>2</sup>Sheba Medical Centre, Israel, <sup>3</sup>Weizmann Institute of Science, Israel

**15:15-15:45 Refreshment Break** | *Room:* Minneplein

15:45-16:15 **Nika Danial**, *Dana-Farber Cancer Institute, Harvard USA*

Metabolic heterogeneity in molecular subtypes of diffuse large B cell lymphoma **[INV02]**

16:15-16:45 **Peter Carmeliet**, *VIB, Belgium*

Angiogenesis revisited: Role and (therapeutic) implications of endothelial metabolism **[INV03]**

16:45-17:00 **[ST02] Cancer associated fibroblast focal adhesion kinase regulates tumour metabolism**

F. Demircioglu<sup>\*1</sup>, J. Candido<sup>1</sup>, L. Reynolds<sup>1</sup>, P. Sancho<sup>1</sup>, J. Foster<sup>1</sup>, J. Sosabowski<sup>1</sup>, F. Balkwill<sup>1</sup>, M. Yuneva<sup>2</sup>, K. Hodivala-Dilke<sup>1</sup>

<sup>1</sup>Barts Cancer Institute <sup>2</sup>The Francis Crick Institute, UK

17:00-17:15 **Discussion**

**17.15-18.30 Welcome Drinks Reception** | *Room:* Minneplein

### Monday, December 12, 2016

**08:30-10:00 Session 2: Tumor Heterogeneity**

*Session Chair:* Richard Gilbertson

08:30-09:00 **Elaine Mardis**, *Washington University School of Medicine, USA*

Addressing immune hallmarks: Neoantigen prediction and vaccine design **[INV04]**

09:00-09:30 **Jan Korbel**, *EMBL, Germany*

From genomic variation to molecular mechanism **[INV05]**

09:30-10:00 **Charles W. M. Roberts**, *St. Jude Children's Research Hospital, USA*

SWI/SNF (BAF) complex mutations in cancer **[INV06]**

10:00-10:15 **[ST03] Understanding the mechanisms controlling EMT mediated resistance to therapy**

M. Debaugnies\*, P. Sotiropoulou, C. Blanpain

*Université libre de Bruxelles, Belgium*

**10.15-10.45 Refreshment Break** | *Room:* Minneplein

10:45-11:15 **Charles Swanton**, *The Francis Crick Institute, UK*

TRACERx - Tracking lung cancer evolution through therapy **[INV07]**

11:15-11:30 **[ST04] Therapeutic implications of endothelial heterogeneity and plasticity in glioma**

K. Matsumoto<sup>\*1</sup>, T. Mathivet<sup>1</sup>, F. Stanchi<sup>1</sup>, H. Gerhardt<sup>1,2</sup>, M. Balcer<sup>1</sup>

<sup>1</sup>Vesalius Research Center, Belgium, <sup>2</sup>Max-Delbrück Center for Molecular Medicine in the Helmholtz Association, Germany

11:30-11:45 **Discussion**

**11:45-12:30 Meet the Editors**

**12:30-13:30 Lunch** | *Room:* Minneplein

**13:30-14:30 Poster Session 1**

**14:30-17:45 Session 3: Personalized Cancer Therapy**

**Session Chair: Jean-Christophe Marine**

- 14:30-15:00 **Richard Gilbertson**, *University of Cambridge, UK*  
Multi-organ mapping of cancer risk [INV08]
- 15:00-15:30 **Caroline Robert**, *Institute Gustave Roussy, France*  
Melanoma treatment: A new era of progress and challenges [INV11]
- 15:30-15:45 **[ST05] Fine tuning of pro-metastatic factors by RNA complexes controlled by p62/Sequestosome-1 in melanoma**  
P. Karras<sup>\*1</sup>, E. Riveiro-Falkenbach<sup>2</sup>, D. Megias<sup>1</sup>, J. Muñoz<sup>1</sup>, P. Ortiz-Romero<sup>2</sup>, J.L. Rodríguez-Peralto<sup>2</sup>, M. Soengas<sup>1</sup>  
<sup>1</sup>Spanish National Cancer Research Centre (CNIO), Spain, <sup>2</sup>Hospital Universitario Spain

**15:45-16:15 Refreshment break | Room: Minneplein**

- 16:15-16:45 **Alberto Bardelli**, *University of Torino, Italy*  
Tumor evolution as a therapeutic target [INV10]
- 16:45-17:15 **Louis Staudt**, *NIH/NCI, USA*  
Therapy of lymphoma inspired by functional and structural genomics [INV09]
- 17:15-17:30 **[ST06] Quadruple vertical targeting of an oncogenic pathway as a treatment strategy to prevent drug resistance.**  
J.M. Fernandes Neto\*, R. Bernards  
*Netherlands Cancer Institute, The Netherlands*
- 17:30-17:45 **Discussion**

**19:00-22:00 Meet the Speakers Dinner (ticket required)****Tuesday, December 13, 2016****08:45-12:00 Session 4: Metastasis & Tumor Microenvironment****Session Chair: Cédric Blanpain**

- 08:45-09:15 **Johanna Joyce**, *UNIL/LICR, Switzerland*  
Deciphering mechanisms of resistance to microenvironment-targeted therapies [INV12]
- 09:15-09:45 **David Lyden**, *Weill Cornell, USA*  
Tumor exosomes determine organotropic metastasis [INV13]
- 09:45-10:00 **[ST07] Genetic reconstitution of metastatic colorectal cancer in immunocompetent mice**  
D.V.F. Tauriello<sup>\*1</sup>, S. Palomo-Ponce<sup>1</sup>, M. Iglesias<sup>2</sup>, D. Stork<sup>1</sup>, J. Badia-Ramentol<sup>1</sup>, C. Stephan-Otto Attolini<sup>1</sup>, E.I. Rivas<sup>1</sup>, M. Sevillano<sup>1</sup>, X. Hernando<sup>1,3</sup>, A. Calon<sup>1</sup> et al  
<sup>1</sup>Institute for Research in Biomedicine Barcelona, Spain, <sup>2</sup>Hospital del Mar Research Institute, Spain, <sup>3</sup>ICREA, Spain

**10:00-10:30 Refreshment Break | Room: Minneplein**

- 10:30-11:00 **Angela Nieto**, *Instituto de Neurociencias CSIC-UMH, Spain*  
The control of epithelial plasticity and the EMT type [INV14]
- 11:00-11:30 **Andreas Trumpp**, *DKFZ, Germany*  
TCYP3A5 mediates basal and acquired therapy resistance in different subtypes of pancreatic ductal adenocarcinoma [INV15]
- 11:30-11:45 **[ST08] Macrophages promote pancreatic cancer metastasis by forming a hospitable metastatic niche**  
S.R. Nielsen<sup>1</sup>, T. Sakai<sup>1</sup>, Y.S. Kim<sup>1</sup>, D. Engle<sup>2</sup>, D. Palmer<sup>1</sup>, J.H. Ko<sup>4</sup>, D. Tuveson<sup>2</sup>, E. Hirsch<sup>3</sup>, A. Mielgo<sup>1</sup>, M.C. Schmid<sup>\*1</sup>  
<sup>1</sup>University of Liverpool, UK, <sup>2</sup>Cold Spring Harbor Laboratory, USA, <sup>3</sup>Univeristy of Torino, Italy, <sup>4</sup>Korea University of Science and Technology, Republic of Korea
- 11:45-12:00 **Discussion**

**12:00-13:00 Lunch | Room: Minneplein****13:00-14:00 Poster Session 2****14:00-15:45 Session 5: Tumor Immunology & Immunotherapy****Session Chair: Johanna Joyce**

- 14:00-14:30 **Padmanee Sharma**, *University of Texas M. D. Anderson Cancer Center, USA*  
TBC [INV16]
- 14:30-15:00 **Jeffrey W. Pollard**, *University of Edinburgh, UK*  
TBC [INV17]

- 15:00-15:15 **[ST09] Ccl5 and cxcl9 chemokines cooperate to orchestrate cd8<sup>+</sup> t-cell engraftment in tumors**  
 D. Dangaj\*<sup>1,2</sup>, P. Duttagupta<sup>2</sup>, P. Foukas<sup>1</sup>, M. Bruand<sup>1</sup>, H. Ramay<sup>3</sup>, J. Duraiswamy<sup>1</sup>, L. Kandalaf<sup>1,2</sup>, L. Zhang<sup>1</sup>, M. Delorenzi<sup>3</sup>, G. Coukos<sup>1,2</sup> et al  
<sup>1</sup>Ludwig Institute for Cancer Research, Switzerland, <sup>2</sup>University of Pennsylvania School of Medicine, USA, <sup>3</sup>Swiss Institute of Bioinformatics, Switzerland, <sup>4</sup>University of Helsinki, Finland

**15:15-15:45 Refreshment Break | Room: Minneplein**

- 15:45-16:15 **Ton Schumacher, Netherlands Cancer Institute/Antoni van Leeuwenhoek, The Netherlands**  
 T cell recognition and tumor resistance in human cancer **[INV18]**

- 16:15-16:30 **[ST10] Checkpoint blockade immunotherapy reshapes the high-dimensional heterogeneity of intratumoral neoantigen-specific CD8<sup>+</sup> T cells**  
 M. Fehlings\*<sup>1</sup>, Y. Simoni<sup>1</sup>, H. Leong Penny<sup>1</sup>, E. Becht<sup>1</sup>, M.M. Gubin<sup>2</sup>, J.P. Ward<sup>2</sup>, S.C. Wong<sup>1</sup>, R.D. Schreiber<sup>2</sup>, E.W. Newell<sup>1</sup>  
<sup>1</sup>Agency for Science, Technology and Research (A\*STAR), Singapore, <sup>2</sup>Washington University School of Medicine, USA

- 16:30-17:20 **Laurence Zitvogel, Gustave Roussy, France**  
 Cancer and Microbiota: immunity is the link **[KEY02]**

**17:20-17:30 Closing Remarks**