



# 16th International Charles Heidelberger Symposium on Cancer Research

26-28 September 2010  
Coimbra, Portugal

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## SCIENTIFIC PROGRAM

### DAY 1

Sunday, 26 September 2010

09H00–09H30	<b>Opening Ceremony</b> Joseph Landolph (USA), Eliezer Huberman (USA), Maria Carmen Alpoim (Portugal) and Carlos de Oliveira (Portugal)			
09H30–10H30	<b>Opening Lecture</b> Curtis Harris, Laboratory of Human Carcinogenesis, National Cancer Institute, Bethesda, MD, USA <i>Interweaving p53, Innate Immune and MicroRNA Networks in Human Carcinogenesis and Molecular Epidemiology</i>			
10H30–11H00	<b>Coffee Break</b>			
<b>Session 1 – Cancer Etiology and Epidemiology</b>				
Chairmen: Richard Gallagher and Toshio Kuroki				
11H00–11H30	<b>Herman Autrup</b> <ul style="list-style-type: none"><li>· School of Public Health, University of Aarhus, Aarhus, Denmark</li></ul>	<b>Gene-environment Interaction in Cancer Development</b>		
11H30–12H00	<b>Aage Haugen</b> <ul style="list-style-type: none"><li>· Section of Toxicology, National Institute of Occupational Health, Oslo, Norway</li><li>· Institute of Biotechnology, Norwegian University of Science and Technology, Trondheim, Norway</li></ul>	<b>Gene Variants and Lung Cancer Risk</b>		
12H00–12H30	<b>Richard Gallagher</b> <ul style="list-style-type: none"><li>· Cancer Control Research, British Columbia Cancer Agency, Vancouver, BC, Canada</li><li>· School of Population and Public Health, University of British Columbia, Vancouver, BC, Canada</li></ul>	<b>Polychlorinated Biphenyls (PCB), UV Radiation, and Cutaneous Malignant Melanoma</b>		
12H30–14H00	<b>Lunch</b>			
<b>Session 2 – Molecular Carcinogenesis</b>				
Chairmen: Joseph Landolph and Anatoly Zhitkovich				
14H00–14H30	<b>Anatoly Zhitkovich</b> <ul style="list-style-type: none"><li>· Department of Pathology and Laboratory Medicine, Division of Biology and Medicine, Brown University, Providence, RI, USA</li></ul>	<b>Regulation of DNA Damage Responses by Mismatch Repair</b>		
14H30–15H00	<b>Joseph Landolph</b> <ul style="list-style-type: none"><li>· Keck School of Medicine, University of Southern California, Los Angeles, CA, USA</li><li>· School of Pharmacy, University of Southern California, CA, USA</li><li>· USC/Norris Comprehensive Cancer Center, University of Southern California, CA, USA</li></ul>	<b>Insoluble Ni Compound-induced Gene Amplification/Gene Silencing Causes Over-expression of Microtubules/Microfilaments, Cell Shape Changes, and Derepression of Global Gene Expression/<math>Ca^{2+}</math> Gradients, Inducing Morphological/Neoplastic Transformation of 10T1/2 Mouse Embryo Cells</b>		
15H00–15H30	<b>José Manuel Cuevza</b> <ul style="list-style-type: none"><li>· Centro de Biología Molecular "Severo Ochoa", Universidad Autónoma de Madrid, Spain</li><li>· CIBER de Enfermedades Raras, Instituto de Salud Carlos III, Universidad Autónoma de Madrid, Madrid, Spain</li></ul>	<b>The Bioenergetic Signature of Cancer</b>		
15H30–16H00	<b>Coffee Break</b>			
16H00–16H30	<b>Robert Langenbach</b> <ul style="list-style-type: none"><li>· Laboratory of Toxicology and Pharmacology, National Institute of Environmental Health Sciences, National Institutes of Health, Research Triangle Park, NC, USA</li></ul>	<b>Roles of Beta-arrestin1/2 in Prostaglandin-mediated Signaling and Tumor Development</b>		
16H30–17H00	<b>Nam-ho Huh</b> <ul style="list-style-type: none"><li>· Department of Cell Biology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan</li></ul>	<b>PINK1/BRPK1 Inhibits Apoptotic Cell Death and Enhances Cellular Invasiveness Through an Activation of mTORC2 Pathway</b>		
17H00–17H30	<b>Johan Lillehaug</b> <ul style="list-style-type: none"><li>· Department of Molecular Biology, University of Bergen, Bergen, Norway</li></ul>	<b>Receptor for Activated C-Kinase (RACK1) Plays a Central Role in Ras-mediated Signal Transduction</b>		

**DAY 2**  
**Monday, 27 September 2010**

**Session 3 – Tumor Microenvironment and Tumor Cell Biology**

Chairmen: Eliezer Huberman and Filomena Botelho

<b>09H00–09H30</b>	<b>Raghu Kalluri</b> <ul style="list-style-type: none"><li>· Harvard Medical School, Harvard University, Boston, MA, USA</li><li>· Beth Israel Deaconess Medical Center, Boston, MA, USA</li></ul>	<b>The Role of Fibroblasts and Pericytes in Cancer Progression and Metastasis</b>
<b>09H30–10H00</b>	<b>Sérgio Dias</b> <ul style="list-style-type: none"><li>· Centro de Investigação em Patobiologia Molecular (CIPM), Portuguese Institute of Oncology (IPOFG), Lisbon, Portugal</li><li>· Instituto Gulbenkian de Ciência, Lisbon, Portugal</li></ul>	<b>Metabolism and Metastasis: In the Bone Marrow and Beyond</b>
<b>10H00–10H30</b>	<b>Magnus von Knebel Doeberitz</b> <ul style="list-style-type: none"><li>· Department of Applied Tumor Biology, Institute of Pathology, University of Heidelberg, Heidelberg, Germany</li><li>· Clinical Cooperation Unit, Applied Tumor Biology (G105), German Cancer Research Center (DKFZ), Heidelberg, Germany</li></ul>	<b>The Immune Biology of Microsatellite Unstable Cancer</b>
<b>10H30–11H00</b>	<b>Coffee Break</b>	
<b>11H00–11H30</b>	<b>Wei Li</b> <ul style="list-style-type: none"><li>· Department of Dermatology, University of Southern California Keck School of Medicine, Los Angeles, CA, USA</li><li>· USC-Norris Comprehensive Cancer Center, University of Southern California, Los Angeles, CA, USA</li></ul>	<b>Targeting Secreted Heat Shock Protein-90alpha (Hsp90α) to Prevent Breast Cancer Progression</b>
<b>11H30–12H00</b>	<b>Ana Costa-Pereira</b> <ul style="list-style-type: none"><li>· Division of Cancer, Department of Surgery and Cancer, Faculty of Medicine, Imperial College, London, UK</li><li>· Hammersmith Hospital, London, UK</li></ul>	<b>JAKs and STATs in Chemosensitivity</b>
<b>12H00–12H30</b>	<b>Geir Bjørkøy</b> <ul style="list-style-type: none"><li>· AFT, Sør-Trøndelag University College (HiST), Trondheim, Norway</li></ul>	<b>Autophagy Turns Specific: The Discovery of p62 and NBR1 as Autophagy Cargo Receptors</b>
<b>12H30–12H45</b>	<b>Valerie LeBleu</b> <ul style="list-style-type: none"><li>· Champalimaud Cancer Research Center, Lisbon, Portugal</li></ul>	<b>Mechanism Behind Hypoxia Induced Metastasis</b>
<b>12H45–14H00</b>	<b>Lunch</b>	

**Session 4 – Cancer Genetics and Epigenetics**

Chairmen: Johan Lillehaug and Isabel Carreira

<b>14H00–14H30</b>	<b>Joana Paredes</b> <ul style="list-style-type: none"><li>· Cancer Genetics Group, Institute of Molecular Pathology and Immunology of the University of Porto (IPATIMUP), Porto, Portugal</li></ul>	<b>CDH3/P-Cadherin Overexpression in Breast Carcinomas: Its Regulatory Mechanisms, the Role in Cell Invasion, and the Association With Cancer Stem Cell Properties</b>
<b>14H30–15H00</b>	<b>Yoshinori Murakami</b> <ul style="list-style-type: none"><li>· Division of Molecular Pathology, Institute of Medical Science, University of Tokyo, Tokyo, Japan</li></ul>	<b>Spontaneous Development of Lung Adenocarcinoma in the Cadm1 Gene-Deficient Mice</b>
<b>15H00–15H30</b>	<b>Manfred Schwab</b> <ul style="list-style-type: none"><li>· German Cancer Research Center (DKFZ), Heidelberg, Germany</li></ul>	<b>The FRAGILOME Project, a Strategy for the Discovery of New Gene Biomarkers in Cancer</b>
<b>15H30–16H00</b>	<b>Coffee Break</b>	
<b>16H00–16H30</b>	<b>Sergei Kovalenko</b> <ul style="list-style-type: none"><li>· Laboratory of Gene Engineering, Institute of Molecular Biology and Biophysics, Academy of Medical Sciences, Siberian Branch, Novosibirsk, Russia</li><li>· Novosibirsk State University, Novosibirsk, Russia</li></ul>	<b>Gene Amplification in Breast Cancer Cells: Molecular Mechanisms and Possible Prognostic Value</b>
<b>16H30–17H00</b>	<b>Lyudmila Gulyaeva</b> <ul style="list-style-type: none"><li>· Laboratory of Molecular Carcinogenesis, Institute of Molecular Biology and Biophysics, Russian Academy of Medical Sciences, Siberian Division, Novosibirsk, Russia</li><li>· Medical Department, Novosibirsk State University, Novosibirsk, Russia</li></ul>	<b>Molecular Genetic Study of Female Cancers in Novosibirsk, Russia</b>
<b>17H00–17H30</b>	<b>Raquel Seruca</b> <ul style="list-style-type: none"><li>· Cancer Genetics Group, Institute of Molecular Pathology and Immunology of the University of Porto (IPATIMUP), Porto, Portugal</li></ul>	<b>E-Cadherin Mediated Cellular Effects and Molecular Partners. Gastric Cancer as an Invasive Model</b>

**DAY 3**  
**Tuesday, 28 September 2010**  
**Session 5 – Translational Cancer Medicine**

Chairmen: Karl-Heinrich Link and Raquel Seruca

<b>09H00–09H30</b>	<b>Karl-Heinrich Link</b> <ul style="list-style-type: none"> <li>· Surgical Center and Asklepios Tumor Treatment Center Rhein-Main (ATC), Asklepios Paulinen Klinik (APK), Wiesbaden, Germany</li> </ul>	<b>Quality Control in Colon and Rectal Cancer Surgery</b>
<b>09H30–10H00</b>	<b>Kevin Brindle</b> <ul style="list-style-type: none"> <li>· Department of Biochemistry, University of Cambridge, UK</li> <li>· Cancer Research UK, Cambridge Research Institute, Cambridge, UK</li> </ul>	<b>Detecting Tumour Responses to Treatment Using Hyperpolarized <sup>13</sup>C Magnetic Resonance Spectroscopic Imaging</b>
<b>10H00–10H30</b>	<b>Marko Kornmann</b> <ul style="list-style-type: none"> <li>· Hospital for General, Visceral and Transplantation Surgery, Ulm University, Ulm, Germany</li> </ul>	<b>Tumor-tailored Treatment of Colorectal Cancer: From Bench to Bedside?</b>
<b>10H30–11H00</b>	<b>Coffee Break</b>	
<b>11H00–11H30</b>	<b>João Nuno Moreira</b> <ul style="list-style-type: none"> <li>· Faculty of Pharmacy, University of Coimbra, Coimbra, Portugal</li> <li>· Centre for Neurosciences and Cell Biology, Coimbra, Portugal</li> </ul>	<b>Targeting Non-viral Vectors to Tumor Cells and the Tumor Microenvironment</b>
<b>11H30–12H00</b>	<b>Ludger Staib</b> <ul style="list-style-type: none"> <li>· Department of General and Visceral Surgery, Klinikum Esslingen, Esslingen, Germany</li> </ul>	<b>Adjuvant Therapy in Colorectal Cancer – Studies of the FOGT Group</b>
<b>12H00–12H30</b>	<b>Carlos Caldas</b> <ul style="list-style-type: none"> <li>· Department of Oncology, University of Cambridge, Cambridge, UK</li> <li>· Cambridge Experimental Cancer Medicine Centre, Cambridge, UK</li> <li>· Cancer Research UK, Cambridge Research Institute, Cambridge Breast Cancer Research Unit, Cambridge, UK</li> <li>· NIHR Cambridge Biomedical Research Centre, Cambridge, UK</li> </ul>	<b>'Omic' Landscapes of Breast Cancer – The End of the Beginning</b>
<b>12H30–13H00</b>	<b>Ananda M. Chakrabarty</b> <ul style="list-style-type: none"> <li>· Department of Microbiology &amp; Immunology, University of Illinois College of Medicine, Chicago, IL, USA</li> </ul>	<b>Bacterial Anticancer Weapons: A Promising Tool to Fight Cancer</b>
<b>13H00–13H30</b>	<b>Closing Ceremony</b> <b>Joseph Landolph (USA) and Eliezer Huberman (USA),</b>	
<b>13H30–14H00</b>	<b>Satellite Workshop: New TaqMan® Protein Expression Assays by Real-Time PCR (Bioportugal/Applied Biosystems)</b>	
<b>13H30–14H30</b>	<b>Lunch</b>	
<b>Afternoon</b>	<b>Half-day Tour</b>	