

INVITED SPEAKERS 2005

Kirill Alexandrov, Germany

Using semi-synthetic proteins for structural and functional studies of vesicular transport mechanisms

Robin Allshire, UK

RNA interference and silent chromatin formation

John Armstrong, Ireland

Overview of advanced radiation technology for lung cancer

Denise Barlow, Austria

Imprinting and gene silencing – distinct events for imprinted genes?

Brigitta Baumert, The Netherlands

Millimeters do count. Methodological and clinical investigations of intra-cranial stereotactic radiotherapy

Stephen Baylin, USA

Epigenetics and cancer

Alexander Bershadsky, Israel

Coordinated regulation of the actin cytoskeleton and microtubules by formin homology protein mDiar

Roderick Beijersbergen, The Netherlands

The NKI Robotis and Screening Center: The future is today!

Jos Beijnen, The Netherlands

The role of the pharmacist in the cancer institute NKI-AVL

Thomas Blankenstein, Germany

Tumor rejection: Transplanted versus primary tumors

Giacomo Cavalli, France

Polycomb and nuclear compartmentalization in the fruit fly

Elena Conti, Germany

Molecular mechanisms of eukaryotic mRNA surveillance

Patrick Cramer, Germany

The mRNA transcription cycle

Laura Dawson, Canada

Technological innovations in liver cancer radiotherapy

Gerald De Haan, The Netherlands

Gene networks in hematopoietic stem cells

Jose De Pereda, Spain

Structural basis of the interaction between integrin $\alpha6\beta4$ and plectin at hemidesmosomes

John Diffley, UK

Regulation of DNA replication in yeast and human cells

Christophe Echeverri, Germany

From genomes to pathways to molecules: the art of genome-wide RNAi

Carl Figdor, The Netherlands

Organization of cell surface receptors in microdomains at the submicron level; structure-function relationship

Peter Fraser, UK

Higher-order chromatin structure and nuclear organization of transcription

Ian Ganley, USA

Genes predictive of response in organ preservation chemoradiotherapy in Laryngopharyngeal Cancer

George Garinis, The Netherlands

Impairment of genome maintenance impinges on the IGF-1/insulin pathway

Susan Gasser, Switzerland

Nuclear subcompartments and dynamics: regulation gene expression

Doug Green, USA

Mitochondria and apoptosis: a dance of death

Bruce Haughey, USA

Tongue transplantation: experimental results and clinical prospects

Michael Hauptmann, USA

Formaldehyde & Cancer: Current evidence and future perspectives

Steven Henikoff, USA

Assembly of variant H₃ histones into chromatin

George Iliakis, Germany

Repair of DNA double strand breaks in cells of higher eukaryotes

Richard Janssen, The Netherlands

Biology calls the targets

Rudolf Kaaks, France

Overweight, obesity and cancer: epidemiological evidence and proposed mechanisms

Maranke Koster, USA

The role of p63 in skin morphogenesis

Tony Kouzarides, UK

Chromatin modifications and their function

Willy Krek, Switzerland
The G1 signaling network and cancer

Guido Lammering, The Netherlands
The epidermal growth factor receptor (EGFR) - Family members as targets to improve the radiosensitivity of human malignant solid tumors

David Largaespada, USA
Forward and reverse genetics in the mouse using the Sleeping Beauty transposon system

Arnold Levine, USA
A single nucleotide polymorphism in the HDM-2 gene regulates the p53 apoptotic response and influences the age of onset of cancers in humans

Jiri Lukas, Denmark
The cell cycle response to DNA damage: Molecular pathways and their dynamics in live cell nuclei

Michael Mancini, USA
Single cell analyses of nuclear receptor function

Eric Miska, UK
MicroRNAs - beyond the hype. Functional roles in *C. elegans* development and human cancer

Tom Misteli, USA
Dynamics in chromatin structure and function

Jürg Müller, Germany
Transcriptional regulation by PcG and trxG proteins

Steven Narod, Canada
Studies in prevention of hereditary breast and ovarian cancer

Klaus Pantel, Germany
Identification and genetic characterization of micrometastases in breast cancer

Richard Pauptit, UK
Structural Biology at AstraZeneca

Daniel Peeper, The Netherlands
Exploiting senescence and anoikis: functional cloning of tumor and metastasis genes

Norbert Perrimon, USA
Functional genomics in *Drosophila* in the era of RNAi

Carlo Petosa, France
Structural insights into CRM1-mediated nuclear export

Ronald Plasterk, The Netherlands
miRNAs in animal development

Pablo Radicella, France
DNA repair and genetic variability in *Helicobacter pylori*

Ed Roos, The Netherlands
Chemokine receptors on carcinoma cells: crucial role in metastasis

Manuel Serrano, Spain
Tumor suppression by the p16/Rb and ARF/p53 pathways

Margaret Shipp, USA
Molecular Heterogeneity of Large B-Cell Lymphoma: Identification of Rational Therapeutic Targets

Randi Syljuåsen, Denmark
DNA damage induced cell cycle checkpoints and radiosensitivity

Maries Van den Broek, Switzerland
Resting dendritic cells induce peripheral CD8+ T cell tolerance through PD-1 and CTLA-4

Sander Van den Heuvel, The Netherlands
Genetics, genomics and proteomics in *C. elegans* to study developmental control of cell division

Jan Van Deursen, USA
Role of aneuploidy in cancer and ageing

Marcel Van Herk, The Netherlands
Image-guided radiotherapy

Marco Van Vulpen, The Netherlands
Optimizing prostate radiotherapy; the UMC approach

Peter Verrijzer, The Netherlands
Chromatin regulation in development and disease

Jon Yewdell, USA
How to succeed in Science

Jaap Verweij, The Netherlands
Cinderella and other scientific fairytales

Brad Wouters, The Netherlands
Cellular adaptation to hypoxia is mediated by control of mRNA translation