INVITED SPEAKERS 2006

Reuven Agami, Amsterdam, The Netherlands
Genetic screens identify cancer-related functions of microRNAs

Anna Akhmanova, Rotterdam, The Netherlands
CLASPing microtubules to the cell cortex

Patrick Aloy, Barcelona, Spain
Structure-based systems biology: modelling interactions and complexes

Haico van Attikum, Basel, Switserland
Chromatin dynamics at a chromosomal DNA double-strand break

Fran Balkwill, London, UK
Inflammation and cancer: the cytokine link

Wolfgang Baumeister, Martinsried, Germany
Mapping molecular landscapes inside cells by cryoelectron tomography

Peter Becker, Munich, Germany
Dosage compensation in flies: the end of generalisations

Derk ten Berge, Stanford, USA
Separate control of cell proliferation and differentiation by Wnt proteins

Wendy Bickmore, Edinburgh, UK
Higher-order chromatin structure of the mammalian genome and its relationship to gene expression

Mary-Ann Bjornsti, Memphis, USA
Mechanisms of resistance to DNA topoisomerase I poisons

Jeanine Boesen, Petten, The Netherlands
Molecular imaging

Xandra Breakefield, Boston, USA
Following a twisted path: from dystonia to the endoplasmic reticulum

Harmen Bussemaker, New York, USA
Sequence-based modeling of gene regulatory circuitry

Michael Clarke, Stanford, USA
Normal stem cells and cancer stem cells: two sides of the same coin

John Condeelis, New York, USA
Discovery and testing of an invasion signature for mammary tumors

Vincent Colot, Paris, France
Studying epigenetic variation and its phenotypic impact in Arabidopsis using epigenomics

Peter Cullen, Bristol, UK
Switching off signalling through the Ras proto-oncogene

Edwin Cuppen, Utrecht, The Netherlands
Generation and characterization of knockout models in zebrafish and rat

Ilan Davis, Edinburgh, UK
Intracellular mRNA transport and anchoring in Drosophila

Haryana Dhillon, Sydney, Australia
Antipodean Haze - cognitive function research

Doug Easton, Cambridge, UK
Finding susceptibility genes for breast cancer

Francois Fagotto, Montreal, Canada
How are different cell types sorted? Insights from the frog embryo

Douglas Fearon, Cambridge, UK
A stem cell-like phase of CD8+ T cell clonal expansion?

Ronald Germain, Bethesda, USA
Building a systems level understanding of adaptive immunity: from molecules to models to movies

Dan Gottschling, Seattle, USA
Loss of heterozygosity in old cells: A model for age-induced cancer

Sergio Grinstein, Toronto, Canada
Rapid remodeling of the plasma membrane during phagocytosis

Frank Grosveld, Rotterdam, The Netherlands
Transcription factor networks and long range interactions

Per Hall, Stockholm, Sweden
Genetic and environmental factors influence the biological behaviour of breast cancer

Peter Hordijk, Amsterdam, The Netherlands
Subcellular targeting of Racı in cell adhesion and directional motility

Eran Hornstein, Rehovot, Israel
miRNAs in invertebrate development

Sandra Jacob, Basel, Switserland
Structural biology contributions to the discovery of nilotinib: overcoming imatinib resistance in CML

Ritsert Jansen, Groningen, The Netherlands
Genetical genomics - a multifactorial perturbation strategy

Peter-Michael Kloetzel, Berlin, Germany
The UPS and immunoproteasomes: Defining a function to be non-functional?

Geert Kops, Utrecht, The Netherlands
Mitotic checkpoint kinases in chromosomal instability and cancer

Rik Korswagen, Utrecht, The Netherlands
Genetic dissection of conserved signal transduction pathways in C. elegans

Eugene Krissinel, Cambridge, UK
Inference of macromolecular assemblies from crystalline state

Philippe Lambin, Maastricht, The Netherlands
Individualized radiation oncology: the example of non small cell lung cancer stage III

Meindert Lamers, Berkeley, USA
Evolution of DNA replication: the crystal structure of E. coli DNA polymerase III

Thomas Look, Boston, USA
Upstream and downstream modifiers of the BCL-2 survival pathway in cancer

Scott Lowe, Cold Spring Harbor, USA
Dissecting the p53 tumor suppressor network

Nicholas Luscombe, Cambridge, UK
Transcription regulation: a genomic network

Hiten Madhani, San Francisco, USA
Gene regulation in Saccharomyces cerevisiae: MAP kinases, histone variants and beyond

Umar Mahmood, Boston, USA
Optical molecular imaging techniques in cancer research

Jan Paul Medema, Leiden, The Netherlands
Apoptotic cell death in cancer

Kim Nasmyth, Oxford, UK
Genome propagation: the chemistry of sister chromatid cohesion and its dissolution at anaphase

Laurence Pearl, London, UK
Structural biology of the HSP90 molecular chaperone system

Petra Peeters, Utrecht, The Netherlands
European prospective investigation into cancer and nutrition: results for breast cancer

Lucas Pelkmans, Zürich, Switserland
Towards systems analysis of endocytosis

Anastassis Perrakis, Amsterdam, The Netherlands
Developing methods for structural biology

Jacques Pouysségur, Nice, France
Hypoxia signaling, angiogenesis and cancer

John Quackenbush, Boston, USA
Learning biology from gene expression profiles

Peter Ravdin, San Antonio, USA
Individualizing adjuvant therapy: classical methods and new possibilities;
adjuvant! online and beyond

Eraz Raz, Göttlingen, Germany
Development and guided migration of primordial germ cells in zebrafish

Dietrich Rebholz-Schuhmann, Cambridge, UK
Towards integration of automated literature analysis into bioinformatics services

Gunter Reuter, Halle, Germany
Histone demethylation and the control of gene silencing in Drosophila

Al Reynolds, Nashville, USA
Novel roles for p120-catenin in Rac-dependent inhibition of Rho

Jeffrey Rosen, Houston, USA
Stem/progenitor cells in the etiology and treatment of breast cancer

Gunter Reuter, Halle, Germany
Histone demethylation and the control of gene silencing in Drosophila

Michael Sharpe, Edinburgh, UK
Can cancer nurses manage depression in cancer outpatients? Results of a randomized efficacy trial of SMaRT oncology depression care

Dirk Schübeler, Basel, Switserland
Epigenetic gene regulation: Insights from chromosomal maps

Martin Schwartz, Charlottesville, USA
Integrins in signal transduction and mechanotransduction

Jerry Shay, Dallas, USA
Aging and cancer: are telomeres and telomerase the connection?

Holger Stark, Gottingen, Germany
3D structure and dynamics of large macromolecular machines determined by single particle cryo-EM

Bas van Steensel, Amsterdam, The Netherlands
Chromatin genomics

John Strouboulis, Rotterdam, The Netherlands
Characterisation of hematopoietic transcription factor complexes by in vivo biotinylation tagging

Hugues de Thé, Paris, France
Modeling PML/RARA leukemogenesis through therapy response

David Tuveson, Philadelphia, USA
Modeling and manipulating ductal pancreatic cancer in mice

Geerten Vuister, Nijmegen, The Netherlands
NMR in structural biology: possibilities, limitations and prospects

Robert Van Waardenburg, Memphis, USA
Distinct functional domains of Ubc9 dictate cell survival and resistance to genotoxic stress