

INVITED SPEAKERS 2010

Genevieve Almouzni, Paris, France

Non-coding RNA and pericentric heterochromatin in mouse cells

Allan Balmain, San Francisco, USA

Systems genetics analysis of inflammation and cancer susceptibility in mouse models

Alberto Bardelli, Candiolo, Italy

Cancer mutations and targeted therapies in cells, mice and patients

Yves Barral, Zurich, Switzerland

The NoCut checkpoint and its role in the coordination of late mitotic events

Anton Berns, Amsterdam, The Netherlands

The mouse as an oncogenomic tool

David Boettiger, Philadelphia, USA

Mechanical and chemical control of cell adhesion

Matthew Bogoy, Stanford, CA, USA

Imaging protease activity in cancer and inflammation using small molecule activity based probes

Anne Brunet, Stanford University, Stanford CA, USA

Mechanisms of aging and longevity

George Calin, Houston, USA

Non-coding RNAs in clinical practice - from bench to bedside

Paul Coffey, Utrecht, The Netherlands

Divide, differentiate or die? A novel PKB-FOXO node coordinating regulation of metabolism and autophagy

Job Dekker, Worcester, MA, USA

Three-dimensional architecture of the genome

Caroline Dive, Manchester, UK

Circulating biomarkers for early clinical trials in oncology

Douglas Easton, Cambridge, UK

Genome-wide association studies in cancer - what have we learnt and where next?

Luis Ferreira Moita, Lisbon, Portugal

shRNA-based dissection of innate immune responses

Eileen Furlong, Heidelberg, Germany

Gene regulatory networks during development: predicting cis-regulatory activity

Nick Gilbert, Edinburgh, United Kingdom

The effect of DNA supercoiling on chromatin structures

Thomas Gingeras, Woodbury, NY, USA

Eukaryotic transcriptomes: complex, multifunctional, and compartmentalized

Joost Gribnau, Rotterdam, The Netherlands

Activation of X inactivation

Gerald de Haan, Groningen, The Netherlands

Gene(tic) networks in hematopoietic stem cells

Matthias Hentze, Heidelberg, Germany

Translational control by miRNAs

Sander van den Heuvel, Utrecht, The Netherlands

Proliferation, differentiation and asymmetric cell division

Frank Holstege, Utrecht, The Netherlands

Understanding regulatory circuitry through expression-profile phenotypes

Lukas Huber, Innsbruck, Austria

Regulation of cell migration and focal adhesions by endosomal MAPK scaffold complexes

Toshihisa Ishikawa, Yokohama, Japan

SmartAmp2, the world's fastest SNP detection method: Its molecular mechanism and clinical applications

Lee Josephson, Charlestown, MA, USA

Multimodal imaging agents: Problems and opportunities

René Ketting, Utrecht, The Netherlands

RNAi-like pathways in germ cells and early development

David Komander, Cambridge, UK

Atypical ubiquitin chains and their hydrolysis by deubiquitinases

Antonis Koromilas, Quebec, Canada

Translational control by the eIF2alpha phosphorylation pathway in response to stress and its implications in cancer

Tony Kouzarides, Cambridge, UK

Chromatin modify enzymes: their function and role in cancer

Lee Kraus, Ithaca NY, USA

Nuclear signaling, chromatin structure, and gene regulation by estrogens and NAD+

Wouter de Laat, Utrecht, The Netherlands

Uncovering genome structure and function

Titia de Lange, New York, USA

Protection and maintenance of mammalian telomeres

Edward Marcotte, Austin TX, USA

Insights from proteomics into cellular evolution and surprising disease models

John Martens, Rotterdam, The Netherlands

Exploring and integrating the breast cancer transcriptome

Christine Mayr, New York, USA

Control of 3'UTR length by alternative cleavage and polyadenylation

Danesh Moazed, Boston, USA

RNAi-based mechanisms for assembly and propagation of heterochromatin

Andrew Morris, Lexington, USA

Role of Autotaxin (Lysophospholipase D) in cardiovascular and metabolic regulation

James Nelson, Stanford, CA, USA

Functional evolution of the Cadherin-Catenin complex and regulation of the actin cytoskeleton

Huib Ovaa, Amsterdam, the Netherlands

Chemistry of ubiquitin-mediated proteolysis and antigen presentation

Yves Pommier, Bethesda, MD, USA

DNA topoisomerases and genomic stability

Sridhar Ramaswamy, Cambridge MA, USA

Functional genomic approaches to cancer metastasis, dormancy, and drug resistance

John Radford, Manchester, UK

Approaches to reducing the impact of late effects of treatment for Hodgkin Lymphoma

Emma Rawlins, Cambridge, UK

Lung epithelial progenitor cells in development and repair

Hans Schreiber, Chicago IL, USA

Tumor stroma and the immune response

Ali Shilatifard, Kansas City, Missouri, USA

Lessons learned from yeast about human leukemia

Colin Stewart, Singapore

Architecture of the cell's nucleus in development aging and disease

Henk Stunnenberg, Nijmegen, The Netherlands

Genome wide (epi)genetic profiling provides molecular insight into differentiation and transformation pathways

Francoise Stutz, Geneva, Switzerland

Antisense RNAs and transcriptional gene silencing in yeast

Crislyn D'Souza-Schorey, Notre Dame, Indiana, USA

Cellular models for epithelial morphogenesis and cell invasion

Jussi Taipale, Helsinki, Finland

Systems biology of cancer

Christian Ungermann, Osnabrück, Germany

Function of tethering complexes in the endolysosomal system

Roel Verhaak, Boston, MA, USA

Cancer Genome Sequencing

Jose Villadangos, Melbourne, Australia

Regulation of antigen presentation in the dendritic cell network

Marian Walhout, Worcester, MA, USA

Gene-centered regulatory networks

Kevin White, Chicago, IL, USA

Nuclear receptors, transcriptional networks and cancer

Niels de Wind, Leiden, The Netherlands

Mutatis mutandis: Roles of mutagenic replication of damaged DNA in fitness and disease

Tony Wynshaw-Boris, San Francisco, CA, USA

Dishevelled: in vivo analysis of a multifunctional redundant gene family

Roy Zent, Nashville, TN, USA

Integrins, Ilk and the kidney