

EACR 21 in Oslo 26 - 29 June 2010

The EACR Cancer Researcher Award Lecture is presented annually at the EACR Conference or the EACR Special Session at the ECCO-ESMO Congress



EACR21 – Scientific Programme Saturday, 26 June 2010

Welcome (13.00-13.15)

Chair: Børresen-Dale, A.L. (NO)

Mühlbock Lecture

(13:15 - 14:05)

Chair: Børresen-Dale, A.L. (NO)

Telomeres and Telomerase: their roles in human health and disease
Speaker: Blackburn, E.H. (US)

Symposia (14.30 - 15.00)

Metabolism & cell death

Chair: Gullick, W. (UK)

Chair: Vousden, K. (UK)

Mitochondrial tumour suppressors:
A genetic and biochemical link
between metabolism and cancer
Gottlieb, E. (UK)

Tumour suppression by BH3-only
proteins, proapoptotic members of
the Bcl-2 family
Villunger, A. (AT)

Control of cancer cell metabolism
by nuclear receptor-based
transcriptional pathways
Giguère, V. (CA)

A role for mutant p53 in promoting
invasion
Vousden, K. (UK)

Animal models

Chair: Oren, M. (IL)

Chair: Lane, D. (UK)

Mouse models for lung cancer and
mesothelioma
Berns, A. (NL)

Signalling via the ALK receptor
tyrosine kinase - insights from the
fruitfly
Palmer, R. (SE)

Investigating the tissue specific
functions of tumour suppressor
genes and oncogenes in vivo
Sansom, O.J. (UK)

Drug discovery in the p53 pathway
Lane, D. (UK)

Cancer systems biology

Chair: Frigessi, A. (NO)

Chair: Botstein, D. (US)

The HER2 and EGFR alliance in
cancer: defects in system control
Yarden, Y. (IL)

From benchside to byteside: what
we can learn from computational
modeling
Kolch, W. (UK)

A systems approach to identification
of therapy response subsets in
breast cancer
Gray, J.W. (US)

How genomics have reshaped our
view of cancer
Botstein, D. (US)

Opening Ceremony & Opening
Lecture at the Opera House
(18:30 -21:00)

Welcome

Chair: Børresen-Dale, A.L. (NO)

Opening Lecture

Speaker: Lane, D. (UK)

Cultural event & Reception

Sunday, 27 June 2010

After Sunrise: Meet the Expert
(07:00 - 08:00)

Lung cancer progression
Jacks, T.E. (US)

Cancer stem cells: current
controversies
Bjerkvig, R. (NO)

Special Session

Eurocancercoms Consensus
Meeting

Educational Lectures

(08:00 - 08:50)

Induction of objective clinical
responses by immunotherapy with
synthetic long peptides in patients
with high grade HPV16-induced
pre-malignant vulva lesions
Speaker: Melief, C.J.M. (NL)

Intravital microscopy of cancer
progression, regression and
resistance to therapy
Friedl, P. (NL)

Analyzing functional genomics data
and networks to understand disease
Troyanskaya, O.G. (US)

Plenary Lecture : Epigenetics

(09:00 - 09:50)

Chair: Jendrossek, V. (DE)

Speaker: Jones, P.A. (US)

Symposia (10:20 - 12:20)

Senescence & ageing

Chair: Schlehofer, J.R. (DE)

Chair: Campisi, J. (US)

Senescence in tumour suppression and tissue homeostasis

Lowe, S.W. (US)

Molecular mechanisms of cellular senescence

d'Adda di Fagagna, F. (IT)

DNA repair and cancer

Krokan, H.E. (NO)

Ageing and tumour suppression: the double-edged sword of cellular senescence

Campisi, J. (US)

Noncoding RNA

Chair: Schaefer, R. (DE)

Chair: Croce, C.M. (US)

Cancerous microRNAs and regulatory RNA binding proteins

Speaker: Agami, R. (NL)

Non-coding RNA production by RNA polymerase III is implicated in cancer

Speaker: White, R.J. (UK)

Interweaving microRNA, inflammatory cytokine and p53 pathways in human cancer

Speaker: Harris, C.C. (US)

Role of microRNA in cancer pathogenesis

Speaker: Croce, C.M. (US)

Tumour microenvironment interaction

Chair: Bissell, M.J. (US)

Chair: Meltzer, P.S. (US)

Ultraviolet B-induced inflammatory microenvironment promotes melanocyte survival and melanoma susceptibility.

Speaker: Meltzer, P.S. (US)

Tumour: stroma interactions in breast cancer and glioma

Isacke, C. (UK)

Neuroblastoma and melanoma metastasis: regulation by the tumour microenvironment

Witz, I.P. (IL)

The epidermal niche: a regulator for normal and skin tumour stem cells

Boukamp, P. (DE)

Young Cancer Researchers' Workshop (12:45 - 13:45)

How to be effective in applying for fellowships

Coordinator: White, R.J. (UK)

Special Session (13:45 - 14:35)

Genomic analysis of inherited breast and ovarian cancer: a model for personalized medicine

Speaker: King, M.C. (US)

Presidential Sessions I, II, and III

(14:35 - 16:05)

Young Cancer Researcher's Award Lecture

(17:05 - 17:55)

Interplay between apoptosis and autophagy in the control of tumour cell death

Speaker: Ryan, K. (UK)

Plenary Lecture Genetic instability

(17:55 - 18:45)

Chair: Olah, E. (HU)

Speaker: Tlsty, T. (US)

Monday, 28 June 2010

After Sunrise: Meet the Expert

(07:00 - 08:00)

p53 and cancer: a complex affair

Oren, M. (IL)

Functional and molecular MR for breast cancer characterization

Gribbestad, I.S. (NO)

Educational Lectures

(08:00 - 08:50)

The ATM-Mediated DNA damage response: the system and the pathways

Speaker: Shiloh, Y. (IL)

Analysis of complex datasets with descriptive and predictive models - application to biomolecular pathways

Speaker: Sachs, K. (US)

Elucidation of pathomechanisms in human brain tumours by molecular profiling

Speaker: Lichter, P. (DE)

Pezcoller - EACR Lecture Aging, fertility, stress and cancer

(09:00 - 09:50)

The p53 pathway: cancer, fertility, metabolic control and the central nervous system

Chair: Perona, R. (ES)

Speaker: Levine, A. (US)

Symposia (10:20 -12:20)

Epigenetics

Chair: Tost, J. (FR)

Chair: Helin, K. (DK)

Mechanisms of DNA methylation and its intimate link with histone modifications

Fuks, F. (B)

Human cancer epigenetics: from DNA methylation to microRNAs

Esteller, M. (ES)

Understanding the origins of aberrant DNA methylation in cancer

Stancheva, I. (UK)

The role histone methyl transferases and demethylases in stem cell differentiation and cancer

Helin, K. (DK)

Hypoxia & angiogenesis

Chair: Marine, J.C. (B)

Chair: Kaelin, Jr, W.G. (US)

Targets of "angioprevention": from inflammatory angiogenesis to hypoxia

Albini, A. (IT)

7–10 November 2010, BT Convention Centre, Liverpool, UK



NCRI Cancer Conference

7-10 November, Liverpool, UK



Plenary speakers:

Doug Hanahan (Switzerland)

Robert Weinberg (USA)

Jose Baselga (Spain)

Patricia Ganz (USA)

Stan Kaye (UK)

Ted Lawrence (USA)

Edison Liu (Singapore)

Peter Selby (UK)

Derek Stewart (UK)

Thea Tlsty (USA)

Zena Werb (USA)

Chris Wild (France)

This year's keynote speakers are **Doug Hanahan** and **Robert Weinberg**.

Ten years on from their prominent publication "**The Hallmarks of Cancer**", these world-class researchers will provide the NCRI Cancer Conference with an unrivalled opportunity to hear exciting new updates to the framework and principles within which to understand the complexities of cancer biology.

Also featuring symposia on:

Biomarkers and imaging

Hosted by **Caroline Dive** (UK)

Stem cells and cancer

Hosted by **Tariq Enver** (UK)

Early diagnosis of cancer

Hosted by **Nick Coleman** (UK)

Teenagers and young adults

Hosted by **Jeremy Whelan** (UK)

Hard to beat cancers: when can we expect progress?

Hosted by **Herbie Newell** (UK)

Tumour microenvironment and inflammation

Hosted by **Frances Balkwill** (UK)

Pathway specific therapeutics

Hosted by **Richard Marais** (UK)

Important dates:

Abstract submission opens:

Monday **22 March** 2010

Abstract submission deadline:

Friday **14 May** 2010

Registration opens:

Tuesday **1 June** 2010

Late breaking abstract submission opens:

Friday **9 July** 2010

Earlybird registration deadline:

Monday **2 August** 2010

Late breaking abstract deadline:

Monday **9 August** 2010

Online registration deadline:

Friday **17 September** 2010

NCRI Cancer Conference commences:

Sunday **7 November** 2010

www.ncri.org.uk/ncriconference

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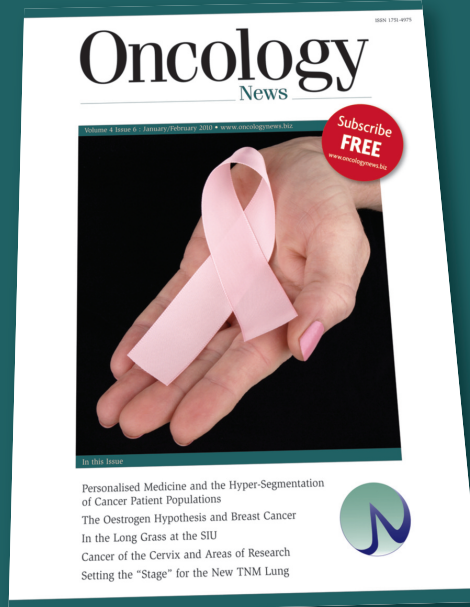
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Hypoxia-inducible factor-2alpha regulates macrophage function in mouse models of acute and tumour inflammation

Speaker: Simon, C. (US)

Tumour metabolic adaptation to hypoxic and acidic stress

Pouyssegur, J. (FR)

The von Hippel-Lindau tumour suppressor protein: oxygen sensing pathways and cancer

Kaelin, Jr, W.G. (US)

Signalling & cancer

Chair: Lacal, J.C. (ES)

Chair: Toftgård, R. (SE)

Melanoma cell signalling and therapeutics

Marais, R. (UK)

Inhibition of protein phosphatase 2A (PP2A) tumor suppressor function in cancer

Speaker: Westermarck, J. (FI)

Dual-specificity protein phosphatases and the regulation of MAP kinase signalling

Keyse, S.M. (UK)

Hedgehog signalling in skin and pancreatic cancer

Speaker: Toftgård, R. (SE)

Young Cancer Researcher's Workshop

Career Opportunities

(12:45 - 13:45)

Coordinator: Reve, B. (NO)

Coordinator: Moreira, J. (DK)

Award Lecture

Anthony Dipple Carcinogenesis Award

(13:45 - 14:35)

Chair: Harris, C.C. (US)

Intricacies of BRCA1 genome integrity control and cancer suppression functions

Speaker: Livingston, D.M. (US)

Symposia (14:35 - 16:35)

Discovery based translational research

Chair: Zwierzina, H.-H. (AT)

Chair: Mills, G.B. (US)

Biomarkers in early clinical development

Tabernero, J. (ES)

Mutations in OXPHOS and Krebs cycle genes and tumour development

Sobrinho Simoes, M. (PT)

Breast cancer genomic landscapes - a first step towards personalised cancer medicine

Caldas, C. (UK)

Delivering on the promise of personalized medicines

Speaker: Mills, G.B. (US)

Maintenance of genome stability

Chair: Rzeszowska-Wolny, J. (PL)

Chair: Shiloh, Y. (IL)

The DNA damage response machinery as an anti-cancer barrier and determinant of treatment response

Bartek, J. (DK)

The role of chromatin in genome instability; identification of novel therapeutic targets

Speaker: Downs, J.A. (UK)

Synthetic lethal approaches to cancer therapy

Speaker: Ashworth, A. (UK)

The ATM-Mediated DNA damage response: back to DNA repair

Speaker: Shiloh, Y. (IL)

Inflammation and cancer

Chair: Karin, M. (US)

Chair: Giavazzi, R. (IT)

Improving cancer immunotherapy by preventing chemokine nitration

Viola, A. (IT)

From inflammation and regeneration to hepatocarcinogenesis

Galun, E. (IL)

The inflammatory tumour microenvironment: tumour-protective of tumor promoting?

De Visser, K. (NL)

Control of tumour progression and metastasis by inflammatory signals

Karin, M. (US)

Plenary Lecture

Dentist O. Aase and E. Granqvist Memorial Lecture

(17:30 - 18:20)

Chair: Pierotti, M.A. (IT)

Targeted therapy - Novel anti-HER2 strategies in the therapy of breast cancer

Baselga, J. (ES)

Tuesday, 29 June 2010

After Sunrise: Meet the Expert

(07:00 - 08:00)

Evolution of genetic and gene expression networks during tumour development

Speaker: Balmain, A. (US)

Exploring chemoresistance in vivo; are we making progress

Speaker: Lønning, P.E. (NO)

Educational Lectures

(08:00 - 08:50)

Systems approach to personalized molecular medicine

Speaker: Mills, G.B. (US)

In and out of G1

Speaker: Mitnacht, S. (UK)

RNA editing meets cancer

Speaker: Rechavi, G. (IL)

Award Lecture Carcinogenesis Young Investigator's Award

(09:00 - 09:50)

Chair: Harris, C.C. (US)

Homologous recombination in cancer development, treatments and development of drug resistance

Speaker: Helleday, T. (UK)

Symposia (10:20 -12:20)

Migration, invasion & metastases

Chair: Girnita, L. (SE)

Chair: Moses, H.L. (US)

Metastasis - gene expression differences associated with site and treatment sensitivity

Speaker: Fodstad, O. (NO)

Targeting invasion and metastasis via tyrosine kinase inhibition

Speaker: Frame, M. (UK)

Mechanisms of cell signalling in metastasis

Speaker: Marshall, C. (UK)

TGF-beta regulation of the inflammatory tumour microenvironment

Moses, H.L. (US)

CancerOmics

Chair: Levanat, S. (HR)

Chair: Hanash, S.M. (US)

Sequencing cancer genomes

Stephens, P. (UK)

Diagnostic and therapeutic discoveries arising from genome-scale cancer research

Kallioniemi, O. (FI)

Five vertebrate ChIP-seq reveals the evolutionary dynamics of transcription factor binding

Odom, D. (UK)

Blood based breast cancer molecular signatures

Hanash, S.M. (US)

Chemoprevention & molecular epidemiology

Chair: Kristensen, V.N. (NO)

Chair: Boffetta, P. (FR)

Adjuvant diet to prevent cancer recurrence

Berrino, F. (IT)

Individualized prediction of prostate cancer using genetic markers

Grønberg, H. (SE)

Genetics of familial cancer

Hemminki, K. (DE)

Integrating biomarkers of exposure, risk and outcome in epidemiology

Boffetta, P. (FR)

Workshop Grant opportunities

(12:20 - 13:45)

Title to be advised

Bordignon, C. (IT)

The role of the Marie Curie Actions in Cancer Research

Wilkie, G. (B)

Workshop Women in Science

(12:20 - 13:45)

Chair: Albini, A. (IT)

Speaker: Eccles, S.A. (UK)

Speaker: Foti, M. (US)

AICR Plenary Lecture

(13:45 - 14:35)

Chair: Marais, R. (UK)

The microenvironment and the genome in breast cancer: how tissue architecture informs

Bissell, M.J. (US)

Symposia (14:35 - 16:35)

Cancer stem cells

Chair: Grunicke, H. (AT)

Chair: Pelicci, P.G. (IT)

Sponsored by Susan G Komen for the Cure

The molecular portraits of breast cancer and their relationship to mammary stem cells

Perou, C.M. (US)

Prospective cloning of functionally distinct breast cancer cells by use of markers from a normal human breast lineage hierarchy

Petersen, O.W. (DK)

The effect of TGF-beta on glioma initiating cells

Seoane, J. (ES)

Regulation of self-renewal in cancer stem cells

Pelicci, P.G. (IT)

Gene expression and regulation

Chair: Zaridze, D.G. (RU)

Chair: Prives, C. (US)

The contribution of dysregulated ribosomal gene transcription to malignant transformation

Hannan, R.D. (AU)

Regulation of alternative splicing by the Ewing Sarcoma Protein (EWS) and DNA damage

Valcárcel, J. (ES)

Transcription and RNA processing: links to cancer

Speaker: Manley, J.L. (US)

Mechanisms by which the p53 tumor suppressor protein selects its target genes

Prives, C. (US)

Molecular pathology (Joint European Pathology Society – EACR Symposium)

Chair: Brünner, N. (DK)

Chair: Van de Vijver, M. (NL)

Integrative high throughput analysis for the identification of novel therapeutic targets in breast cancer

Reis-Filho, J. (UK)

Tyrosine kinase inhibitor resistance mechanisms: molecular & histologic correlates

Fletcher, J.A. (US)

Optimizing pathological diagnosis with new biological tools: examples in breast cancer

Desmedt, C. (B)

Predicting response to therapy in breast cancer

Speaker: Van de Vijver, M.J. (NL)

Mike Price Lecture

(17:30 - 18:20)

Tumour metabolism: back to the future

Chair: Celis, J. (DK)

Speaker: Mak, T.W. (CA)