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)
Telomerases 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
Bjerkgård, 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 premalignant 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)
Aging 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)

Pezzoller - 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)
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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
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)

Symposia (14:35 - 16:35)

Discovery based translational research
Chair: Zwierzina, H.-H. (AT)
Chair: Mills, G.B. (US)

Biomarkers in early clinical development
Tabenero, 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: Mittnacht, 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: Hellday, 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)

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)