EACR 20 SCIENTIFIC PROGRAMME - LYON, FRANCE

Educational Lectures
M. Buyse [BE], M. Esteller [ES], J.W. Gray [UK], S.P. Jackson [UK], W.G. Kaelin [US], G. Mills [US], D. Neri [CH], P. Workman [UK], H. Zur Hausen [DE]

Plenary Lectures

Symposia

Award Lectures
R.A. Weinberg [US], V. Velculescu [US]
EACR 20 Scientific Programme

Saturday, 5 July 2008

Muhlbock Lecture (13:30-14:30)
H. Clevers (NL)

Symposia (15:00-17:00)

Receptor signalling
Chair: W. Gullick (UK)

Computational simulation of the EGF receptor system
W. Gullick (UK)

The EGF receptor signalling system
Y. Yarden (IL)

The EGF receptor system as a target for therapy
N. Normanno (IT)

Mechanisms of resistance to EGFR inhibitors
F. Ciardiello (IT)

Gene expression and cancer
Chair: R. White (UK)

RNA polymerase I transcription
I. Grummt (DE)

RNA polymerase III transcription and cancer
R. White (UK)

eIF4E and post-transcriptional gene regulation in cancer
K.L. Borden (CA)

Id proteins and oncogenesis
A. lavarone (US)

Diagnostic and predictive molecular markers
Chair: A.-L. Borresen-Dale (NO)

Blood expression profiles as early diagnosis of cancer
A.-L. Borresen-Dale (NO)

Gene methylation for the diagnosis and prognosis of cancer
P. Cairns (US)

Predictive gene profiles for therapy, breast and head and neck
C.M. Perou (US)

TP53 as an important molecular marker
P. Hainaut (FR)

Plenary Lecture (17:00-18:00)

Cancer stem cells
K. Polyak (US)

Sunday, 6 July 2008

Educational Lecture (08:00-08:50)
Viruses + Cancer
H. Zur Hausen (DE)

Biomarkers for tailored therapy
G. Mills (US)

Drug Design
P. Workman (UK)

Plenary Lecture (09:00-09:45)

Microenvironment
D.R. Welch (US)

Symposia (10:15-12:15)

Cell death pathways
Chair: V. Jendrossek (DE)

Myc-induced apoptosis and tumour suppression: Lessons from mouse models
G. Evan (US)

Targeting p73 causes tumour regression in vivo
K. Ryan (UK)

Apoptosis regulation by BH-3 only proteins: Impact for tumour development and response to anticancer treatment
A. Strasser (AU)

Dual role of autophagy in cancer
E.P. White (US)
Canceromics
Chair: M. Stratton (UK)
The Cancer Genome Project
M. Stratton (UK)
Proteomics approaches in cancer
B. Domon (CH)
Analysing the phospho-proteome
F. White (US)
Systems approaches to understanding cell signalling
M. Vidal (CA)

Mouse Models
Chair: A. Berns (NL)
Mouse models of cancer
A. Berns (NL)
p53 in cancer
S. Lowe (US)
Epithelial homeostasis and cancer
S. Aznar-Benitah (ES)
Integrative comparative oncogenomics of mouse and human tumours
L. Chin (US)

Award Lecture
(13:45-14:35)
Young Cancer Researcher’s Award
(To be announced)

AICR Lecture (17:30-18:30)
Metastasis
C. Marshall (UK)

Monday, 7 July 2008

Educational Lecture (08:00-08:50)
The von Hippel-Lindau Protein: Insights into Hypoxic Signalling and Cancer
W.G. Kaelin (US)
Drug targets screening
J.W. Gray (US)
Antibody Engineering
D. Neri (CH)

Plenary Lecture (09:00-09:45)
Metabolism
C. Thompson (US)

Symposia (10:15-12:15)
Invasion and Metastasis
Chair: M. Frame (UK)
Cell adhesion and signalling
M. Frame (UK)
Signalling Mechanisms of Tumour Cell Migration and Metastasis
R. Klemke
Individual and collective cancer cell invasion
P. Friedl (DE)
Cell adhesion to the extra cellular matrix (ECM) in motility and metastasis
B. Geiger (IL)
DNA repair and genomic instability
Chair: J. Downs (UK)
Ageing and DNA damage in mouse models
J.H.J. Hoeijmakers (NL)
Molecular mechanisms that govern chromosome stability and cancer predisposition
J. Petrini (US)
Spatio-temporal organization of nuclear tumour suppressor proteins in response to DNA damage
M. Foiani (IT)
DNA damage signalling by tumour suppressors from the earliest stages of cancer development
T.D. Halazonetis (CH)

Genetic Epidemiology / Whole genome scan
Chair: P. Boffetta (FR)
Identifying new breast cancer genes through international consortia
B. Ponder (UK)
Whole genome scans of breast and prostate cancer – the GEMS initiative
G. Thomas (US)

Issues and opportunities in family-based designs for young onset cancers
C. Weinberg (US)
Detecting new genes for tobacco-related cancers – the GENTREC initiative
R. Hung (US)

Award Lecture (13:45-14:35)
2008 Anthony Dipple Carcinogenesis Award
R. Weinberg (US)

Symposia (14:35-16:35)
Cancer cell metabolism
Chair: J. Pouysségur (FR)
Hypoxia, Autophagy and Tumour progression
J. Pouysségur (FR)
Targeting glycolytic enzymes and mitochondria as novel cancer therapy
V.R. Fantin (US)
LKB1 and mTOR kinases in tumour metabolism
D. Alessi (UK)
New imaging approaches of metabolism in tumours
Z.M. Bhujwalla (US)

Immune system and cancer
Chr: M. Colombo (IT)/L. Zitvogel (FR)
The Molecular Bases of the Immunogenicity of Cell Death
L. Zitvogel (FR)
T Cells and Adjuvants in Cancer
H. Schreiber (US)
Tumour-Educated Macrophages as Promoters of Tumour Progression
J.W. Pollard (US)
BM-derived cells that foster tumour growth and their manipulation
L.M. Naldini (IT)

Molecular Pathology
Chair: M. v. d. Vijver (NL)
Gene expression profiling of breast cancer
M. v. d. Vijver (NL)
Breast cancer phenotype and genetic alterations: how are they connected?
J. Reis-Filho (UK)

The genetic future of pathology:
of pancreatic cancer and other malignancies
N. Lemoine (UK)

Tumour metastasis: mechanistic insights and clinical challenges
P. Steeg (US)

Plenary Lecture
(17:30-18:30)

Inflammation and cancer
M. Karin (US)

Tuesday, 8 July 2008

Educational Lecture
(08:00-08:50)

Targeting the DNA-damage response as a therapeutic strategy
S.P. Jackson (UK)

What is Epigenetics?
M. Esteller (ES)

Biomarkers and Surrogate endpoints in clinical research – some statistical challenges
M. Buyse (BE)

Symposia
(09:00-11:00)

New Targets
Chair: R. Marais (UK)

BRAF signalling in cancer
R. Marais (UK)

PI3-kinases and cancer
G. Mills (US)

Choline Kinases as cancer targets
J. Carlos Lacal (ES)

The TGB [beta] pathway in cancer
J. Seoane (ES)

Role of MicroRNAs in Cancer
Chair: R. Agami (NL)

Cancer Genes and micro RNA’s in cancer
R. Agami (NL)

Small RNAs in animal development
R.F. Ketting (NL)

Toward a non-coding RNA Revolution in Cancer Society
G.A. Calin (US)

MicroRNA-221/-222 pathway controls melanoma progression through multiple oncogenic mechanisms
A. Carè (IT)

Ageing Telomerase
Chair: M. Blasco (ES)

Role of telomere binding proteins in telomere biology
E. Gilson (FR)

Recognition of short telomeres by telomerase
L. Harrington (UK)

Role of Exo1 in telomere biology
L. Rudolph (DE)

Role of telomeres and telomerase in stem cell biology
M. Blasco (ES)

Biomarkers and Surrogate endpoints in clinical research – some statistical challenges
M. Buyse (BE)

Young Cancer Researchers’ Workshops at EACR 20

These workshops have been organised for young investigators (postgraduate students, 1st year postdoctoral scientists…etc.), who would like to be informed about the various paths for career progression. Two workshops will be organised:

1 How to be effective in applying for fellowships

This workshop will discuss applying for fellowships at a national level and at European level. The participants will be informed on how to write effective applications and the pitfalls to avoid.

2 Introduction to pharmaceutical research and development

This workshop will discuss the processes that Industry uses when developing drugs for diseases. It is particularly of interest to young investigators who would like to embark in a career in pharmaceutical R&D.

The main topics that will be covered are:
• What is a drug target?
• How are leads generated?
• Concept testing
• Undertaking clinical trials

At the beginning: The EACR-20 Organising Committee meets in Lyon
(Left to Right)
Bill Gullick, Past President; Richard Marais, Secretary General; Anne-Lise Borresen-Dale, President Elect; Robert Kenney, Executive Director; Marco A Pierotti, President; Joerg Schlehofer, Treasurer; and Gilbert Lenoir, Chair of the Local Organising Committee

The conference aims to represent a forum for young and established investigators to present their work and to review the most promising areas of future development of the discipline.

The conference focuses on aetiological and mechanistic aspects of molecular and genetic cancer epidemiology research. Sessions on clinical applications of molecular epidemiology will be included in the main EACR meeting, to promote cross-participation between the two events.

Target participants include epidemiologists, geneticists, biochemical and molecular biologists, pharmacologists, pathologists and researchers who are interested in the field.

Efforts will also be made to attract clinicians. It is expected that a sizeable number of participants will also attend EACR-20

Programme

3rd July

9:30am – 10:00am Opening

10:00am – 11:00am Keynote lecture
Successes and failures of molecular cancer epidemiology – F. Perera

11:30pm – 1:00pm Molecular epidemiology – Application of novel molecular markers to cancer epidemiology
Novel viral markers – M. Pawlita
Application of epigenetics to cancer epidemiology – Z Herceg

2:00pm – 3:30pm Expression microarrays and cancer epidemiology, lessons from breast cancer – A.L. Børresen-Dale
Transcriptomics – M. Pierotti

3:30pm – 4:30pm Poster session

4:30pm – 6:00pm Application of proteomics to cancer epidemiology – S. Hanash
An epidemiological perspective to proteomics – R. Vermeulen

Proffered papers

5th July

9:00am – 10:45am Evaluating cumulative evidence in genomic epidemiology – J. Ioannidis

Transdisciplinary research approaches – R. Hiatt

Molecular epidemiology in low- and medium-resource countries – P. Jha

11:15am – 12:15pm Keynote lecture
Future perspectives of molecular cancer epidemiology – M. Smith

12:15pm – 12:30pm Closing