

Scientific Programme

Saturday 26 June 2010

13:00–13:15 Opening Address (Hall B)

Abstract Nr.

- 13:00 Welcome to EACR 21
Anne-Lise Børresen-Dale, EACR President and Conference Chair
- 13:03 Message from AACR
Speaker: T.E. Jacks (USA)
- 13:06 Message from Susan G. Komen for the Cure®
- 13:09 Message by the President of the University of Oslo
Speaker: O.P. Ottersen (Norway)
- 13:12 Message from the Minister of Research and Higher Education of Norway
Speaker: T. Aasland (Norway)

13:15–14:05 Mühlbock Lecture (Hall B)

Chair: A.L. Børresen-Dale (Norway)

- 13:15 Telomeres and telomerase: their roles in human health and disease 1
Speaker: E.H. Blackburn (USA)

14:30–16:30 Symposium: Metabolism & cell death (Svalbard)

Chair: K. Vousden (United Kingdom)

Chair: W. Gullick (United Kingdom)

- 14:30 Mitochondrial tumour suppressors: a genetic and biochemical link between metabolism and cancer 2
Speaker: E. Gottlieb (United Kingdom)
- 15:00 Tumour suppression by BH3-only proteins, proapoptotic members of the Bcl-2 family 3
Speaker: A. Villunger (Austria)
- 15:30 Control of cancer cell metabolism by nuclear receptor-based transcriptional pathways 4
Speaker: V. Giguère (Canada)
- 16:00 A role for mutant p53 in promoting invasion 5
Speaker: K. Vousden (United Kingdom)

14:30–16:30 Symposium: Animal models (Jan Mayen 1)

Chair: D. Lane (United Kingdom)

Chair: M. Oren (Israel)

- 14:30 Mouse models for lung cancer and mesothelioma 6
Speaker: A. Berns (The Netherlands)
- 15:00 Signalling via the ALK receptor tyrosine kinase – insights from the fruitfly 7
Speaker: R. Palmer (Sweden)
- 15:30 Investigating the tissue specific functions of tumour suppressor genes and oncogenes in vivo 8
Speaker: O.J. Sansom (United Kingdom)
- 16:00 Studying the p53 pathway using Zebra fish models 9
Speaker: D. Lane (United Kingdom)

14:30–16:30 Symposium: Cancer systems biology (Jan Mayen 2)

Abstract Nr.

*Chair: D. Botstein (USA)**Chair: A. Frigessi (Norway)*

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|-------|---|----|
| 14:30 | The HER2 and EGFR alliance in cancer: defects in system control | 10 |
| | <i>Speaker: Y. Yarden (Israel)</i> | |
| 15:00 | From benchside to byteside: what we can learn from computational modelling | 11 |
| | <i>Speaker: W. Kolch (United Kingdom)</i> | |
| 15:30 | A systems approach to identification of therapy response subsets in breast cancer | 12 |
| | <i>Speaker: J.W. Gray (USA)</i> | |
| 16:00 | How genomics has reshaped our view of cancer | 13 |
| | <i>Speaker: D. Botstein (USA)</i> | |

18:30–21:00 Opening Ceremony & Opening Lecture at the Opera House

- 18:30 Arrival and seating in the main hall
- 18:45 Welcome and opening remarks
Chair: A.L. Børresen-Dale (Norway)
- 18:50 Cultural event: Mariann Fjeld Olsen (Opera singer)
- 18:55 Opening note from the Norwegian Cancer Society
Speaker: A.L. Ryel (Norway)
- 19:00 Opening note from the Radium Hospital Foundation
Speaker: J.V. Johannessen (Norway)
- 19:05 Opening note from the Minister of Health
Speaker: A. Strøm-Erichsen (Norway)
- 19:10 Cultural event: Mariann Fjeld Olsen (Opera singer)
- 19:15 Stopping cancer: a challenge for science and society
Speaker: D. Lane (United Kingdom)
- 19:45 Cultural event: Mariann Fjeld Olsen (Opera singer)
- 20:00 Reception in the Foyer

Sunday 27 June 2010**07:15–08:00 After Sunrise: Meet the Expert (Svalbard)**

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|-------|----------------------------------|----|
| 07:15 | Lung cancer progression | 14 |
| | <i>Speaker: T.E. Jacks (USA)</i> | |

07:15–08:00 After Sunrise: Meet the Expert (Jan Mayen 1)

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| 07:15 | Cancer stem cells: current controversies | 15 |
| | <i>Speaker: R. Bjerkvig (Norway)</i> | |

07:00–08:00 Special Session: Eurocancercoms Consensus Meeting (Jan Mayen 2)**08:00–08:50 Educational Lecture: Immunotherapy (Svalbard)**

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|-------|--|----|
| 08:00 | Induction of objective clinical responses by immunotherapy with synthetic long peptides in patients with high grade HPV16-induced premalignant vulva lesions | 16 |
| | <i>Speaker: C.J.M. Melief (The Netherlands)</i> | |

08:00–08:50 Educational Lecture: Molecular imaging (Jan Mayen 1)	Abstract Nr.
08:00 Intravital microscopy of cancer progression, regression and resistance to therapy <i>Speaker: P. Friedl (The Netherlands)</i>	17
08:00–08:50 Educational Lecture: Bioinformatics (Jan Mayen 2)	
08:00 Analyzing functional genomics data and networks to understand disease <i>Speaker: O.G. Troyanskaya (USA)</i>	18
09:00–09:50 Radium Hospital Foundation Lecture: Epigenetics (Hall B)	
<i>Chair: V. Jendrosseck (Germany)</i>	
09:00 Epigenetic therapy <i>Speaker: P.A. Jones (USA)</i>	19
10:20–12:20 Symposium: Senescence & aging (Svalbard)	
<i>Chair: J. Campisi (USA)</i>	
<i>Chair: J.R. Schlehofer (Germany)</i>	
10:20 Roles and regulation of cellular senescence <i>Speaker: S.W. Lowe (USA)</i>	20
10:50 Molecular mechanisms of cellular senescence <i>Speaker: F. d'Adda di Fagagna (Italy)</i>	21
11:20 DNA repair and cancer <i>Speaker: H.E. Krokan (Norway)</i>	22
11:50 Aging and tumour suppression: the double-edged sword of cellular senescence <i>Speaker: J. Campisi (USA)</i>	23
10:20–12:20 Symposium: Noncoding RNA (Jan Mayen 1)	
<i>Chair: C.M. Croce (USA)</i>	
<i>Chair: R. Schaefer (Germany)</i>	
10:20 Cancerous microRNAs and regulatory RNA binding proteins <i>Speaker: R. Agami (The Netherlands)</i>	24
10:50 Non-coding RNA production by RNA polymerase III is implicated in cancer <i>Speaker: R.J. White (United Kingdom)</i>	25
11:20 Interweaving microRNA, inflammatory cytokine and p53 pathways in human cancer <i>Speaker: C.C. Harris (USA)</i>	26
11:50 Causes and consequences of microRNA dysregulation in cancer <i>Speaker: C.M. Croce (USA)</i>	27
10:20–12:20 Symposium: Tumour microenvironment interaction (Jan Mayen 2)	
<i>Chair: M.J. Bissell (USA)</i>	
<i>Chair: P.S. Meltzer (USA)</i>	
10:20 Ultraviolet B-induced inflammatory microenvironment promotes melanocyte survival and melanoma susceptibility <i>Speaker: P.S. Meltzer (USA)</i>	28
10:50 Tumour:stroma interactions in breast cancer and glioma <i>Speaker: C. Isacke (United Kingdom)</i>	29
11:20 Neuroblastoma and melanoma metastasis: regulation by the tumour microenvironment <i>Speaker: I.P. Witz (Israel)</i>	30
11:50 The epidermal niche: a regulator for normal and skin tumour stem cells <i>Speaker: P. Boukamp (Germany)</i>	31

12:45–13:45 Young Cancer Researcher's Workshops: How to be effective in applying for fellowships (Svalbard)	Abstract Nr.
12:45 Applying for Fellowships <i>Coordinator: R.J. White (United Kingdom)</i>	32
13:45–14:35 Special Session: Norwegian Pink Ribbon Lecture (Hall B)	
13:45 Genomic analysis of inherited breast and ovarian cancer: a model for personalized medicine <i>Speaker: M.C. King (USA)</i>	33
14:35–16:05 Presidential Session I (Svalbard)	
<i>Chair: A.L. Børresen-Dale (Norway)</i>	
14:35 Norwegian Cancer Society Award Lecture	
Cell and tumour biology	
<i>Susan G. Komen for the Cure Scholarships</i>	
14:50 Diacylglycerol kinase contribution to mTOR-mediated breast cancer progression <i>Speaker: P. Torres-Ayuso (Spain)</i>	34
15:05 Adipocyte-derived fibroblasts contribute to the desmoplastic reaction in breast cancer: a new link between breast cancer and obesity? <i>Speaker: L. Bochet (France)</i>	35
15:20 Do breast cancers arise in areas of the breast that pre-diagnostically had high mammographic density? <i>Speaker: S. Pinto Pereira (United Kingdom)</i>	36
15:35 Integration analysis between differentially expressed mRNA and miRNA induced by BRCA1 gene <i>Speaker: M. Zajac (Spain)</i>	37
<i>The Mattyasovszky–Meziani Bursary Award</i>	
15:50 miR-449 induces apoptosis while triggering a stress and DNA damage response <i>Speaker: M. Lize (Germany)</i>	38
14:35–16:05 Presidential Session II (Jan Mayen 1)	
<i>Chair: J. Celis (Denmark)</i>	
Translational and experimental	
14:35 EACR Cancer Researcher Award 'Highly Commended' – Targeting the lactate transporter monocarboxylate transporter 1 constitutes a new therapeutic modality that disrupts a fundamental metabolic symbiosis in tumours <i>Speaker: P. Sonveaux (Belgium)</i>	39
14:50 TGF β receptor inhibitors target the CD44 ^{high} /Id1 ^{high} glioma stem cell population in human glioblastoma <i>Speaker: J. Anido (Spain)</i>	40
15:05 NOTCH2 in breast cancer: association of SNP rs11249433 with gene expression in ER-positive breast tumours without TP53 mutations <i>Speaker: L. Prokunina-Olsson (USA)</i>	41
15:20 A therapeutic sphingosine 1-phosphate antibody inhibits intratumoral hypoxia and sensitizes to chemotherapy in prostate cancer animal model <i>Speaker: O. Cuvillier (France)</i>	42
15:35 Estrogen receptor alpha is upregulated and metastasis inhibited in a murine breast cancer model following treatment with the novel Wnt-5a derived-hexapeptide, Foxy-5 <i>Speaker: C. Ford (Australia)</i>	43
15:50 Development of diagnostic and therapeutic aptamers against enzymes crucial for tumour development and metastasis <i>Speaker: S. Missailidis (United Kingdom)</i>	44

14:35–16:05 Presidential Session III (Jan Mayen 2)

Abstract Nr.

*Chair: M. Pierotti (Italy)***Oncogenomics**

- 14:35 Use of somatically acquired genomic rearrangements as biomarkers in solid tumours 45
Speaker: D. McBride (United Kingdom)
- 14:50 An integrative structural and functional approach to pancreatic cancer gene discovery 46
Speaker: A. Shain (USA)
- 15:05 Molecular signatures of long non-coding RNAs in breast cancer patients 47
Speaker: L. Baumbusch (Norway)
- 15:20 Amplification and overexpression of vinculin are associated with increased tumour cell proliferation and progression in advanced prostate cancer 48
Speaker: C. Ruiz (Switzerland)

Molecular Biology

- 15:35 New functions for an old kinase: CK1 as a key player in p53, MDM2 and E2F-1 signalling pathways 49
Speaker: N. MacLaine (United Kingdom)
- 15:50 Cross-signaling of activated NF-kappaB and the tumour suppressor p53 50
Speaker: G. Schneider (Germany)

17:05–17:55 EACR Cancer Researcher Award Lecture (Hall B)

- 17:05 Interplay between apoptosis and autophagy in the control of tumour cell death 51
Speaker: K. Ryan (United Kingdom)

17:55–18:45 Radium Hospital Foundation Lecture: Genetic instability (Hall B)*Chair: E. Olah (Hungary)*

- 17:55 Early epigenetic and genetic events in breast carcinogenesis 52
Speaker: T. Tlsty (USA)

Poster Session

Poster Nr. Abstract Nr.

General, Molecular and Genetic Epidemiology	001–065	53–117
Translational Research	066–145	118–197
Experimental/Molecular Therapeutics, Pharmacogenomics	146–236	198–288
Tumour Immunology	237–262	289–314

Monday 28 June 2010

07:00–08:00 After Sunrise: Meet the Expert (Svalbard)	Abstract Nr.
07:00 p53 and cancer: a complex affair <i>Speaker: M. Oren (Israel)</i>	315
07:00–08:00 After Sunrise: Meet the Expert (Jan Mayen 1)	
07:00 Functional and molecular MR for breast cancer characterization <i>Speaker: I.S. Gribbestad (Norway)</i>	316
07:00–08:00 After Sunrise: Meet the Expert (Jan Mayen 2)	
07:00 Is epigenetics the holy grail of cancer research? <i>Speaker: Z. Herceg (France)</i>	317
08:00–08:50 Educational Lecture: DNA damage response & novel targets (Svalbard)	
08:00 The ATM-mediated DNA damage response: the system and the pathways <i>Speaker: Y. Shiloh (Israel)</i>	318
08:00–08:50 Educational Lecture: Statistical analysis (Jan Mayen 1)	
08:00 Analysis of complex datasets with descriptive and predictive models – application to biomolecular pathways <i>Speaker: K. Sachs (USA)</i>	319
08:00–08:50 Educational Lecture: Novel diagnostics (Jan Mayen 2)	
08:00 Elucidation of pathomechanisms in human brain tumours by molecular profiling <i>Speaker: P. Lichter (Germany)</i>	320
09:00–09:50 Plenary Lecture: Pezcoller–EACR Lecture (Hall B)	
<i>Chair: R. Perona (Spain)</i>	
09:00 The p53 pathway: cancer, fertility, metabolic control and the central nervous system <i>Speaker: A. Levine (USA)</i>	321
10:20–12:20 Symposium: Epigenetics: from DNA methylation to stem cell differentiation (Svalbard)	
<i>Chair: K. Helin (Denmark)</i>	
<i>Chair: J. Tost (France)</i>	
10:20 Mechanisms of DNA methylation in mammals <i>Speaker: F. Fuks (Belgium)</i>	322
10:50 Human cancer epigenetics: from DNA methylation to microRNAs <i>Speaker: M. Esteller (Spain)</i>	323
11:20 Understanding the origins of aberrant DNA methylation in cancer <i>Speaker: I. Stancheva (United Kingdom)</i>	324
11:50 The role histone methyl transferases and demethylases in stem cell differentiation and cancer <i>Speaker: K. Helin (Denmark)</i>	325

10:20–12:20 Symposium: Hypoxia & angiogenesis (Jan Mayen 1)

Abstract Nr.

*Chair: W.G. Kaelin, Jr (USA)**Chair: J-C. Marine (Belgium)*

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| 10:20 | Targets of “angioprevention”: from inflammatory angiogenesis to hypoxia | 326 |
| | <i>Speaker: A. Albini (Italy)</i> | |
| 10:50 | Hypoxia-inducible factor-2alpha regulates macrophage function in mouse models of acute and tumour inflammation | 327 |
| | <i>Speaker: C. Simon (USA)</i> | |
| 11:20 | Tumour metabolic adaptation to hypoxic and acidic stress | 328 |
| | <i>Speaker: J. Pouyssegur (France)</i> | |
| 11:50 | The von Hippel-Lindau tumour suppressor protein: oxygen sensing pathways and cancer | 329 |
| | <i>Speaker: W.G. Kaelin, Jr (USA)</i> | |

10:20–12:20 Symposium: Signalling & cancer (Jan Mayen 2)*Chair: R. Toftgård (Sweden)**Chair: J.C. Lacal (Spain)*

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|-------|---|-----|
| 10:20 | BRAF and RAS signalling in human melanoma | 330 |
| | <i>Speaker: R. Marais (United Kingdom)</i> | |
| 10:50 | Inhibition of tumour suppressor protein phosphatase 2A (PP2A) in cancer | 331 |
| | <i>Speaker: J. Westermarck (Finland)</i> | |
| 11:20 | Dual-specificity protein phosphatases and the regulation of MAP kinase signalling | 332 |
| | <i>Speaker: S.M. Keyse (United Kingdom)</i> | |
| 11:50 | Hedgehog signalling in skin and pancreatic cancer | 333 |
| | <i>Speaker: R. Toftgård (Sweden)</i> | |

12:45–13:45 Young Cancer Researcher's Workshops: Career Opportunities (Svalbard)

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| 12:45 | <i>Coordinator: J. Moreira (Denmark)</i> | 334 |
| | <i>Coordinator: B. Reve (Norway)</i> | 335 |

13:45–14:35 Award Lecture: Anthony Dipple Carcinogenesis Award (Hall B)*Chair: C.C. Harris (USA)*

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|-------|--|-----|
| 13:45 | Intricacies of BRCA1 genome integrity control and cancer suppression functions | 336 |
| | <i>Speaker: D.M. Livingston (USA)</i> | |

14:35–16:35 Symposium: Discovery based translational research (Svalbard)*Chair: G.B. Mills (USA)**Chair: H. Zwierzina (Austria)*

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|-------|--|-----|
| 14:35 | Biomarkers in early clinical development | 337 |
| | <i>Speaker: J. Tabernero (Spain)</i> | |
| 15:05 | Mutations in OXPHOS and Krebs cycle genes and tumour development | 338 |
| | <i>Speaker: M. Sobrinho Simoes (Portugal)</i> | |
| 15:35 | Breast cancer genomic landscapes – a first step towards personalised cancer medicine | 339 |
| | <i>Speaker: C. Caldas (United Kingdom)</i> | |
| 16:05 | Delivering on the promise of personalized medicines | 340 |
| | <i>Speaker: G.B. Mills (USA)</i> | |

14:35–16:35 Symposium: Maintenance of genome stability (Jan Mayen 1)

Abstract Nr.

*Chair: Y. Shiloh (Israel)**Chair: J. Rzeszowska-Wolny (Poland)*

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|-------|---|-----|
| 14:35 | The DNA damage response machinery as an anti-cancer barrier and determinant of treatment response | 341 |
| | <i>Speaker: J. Bartek (Denmark)</i> | |
| 15:05 | The role of chromatin in genome instability; identification of novel therapeutic targets | 342 |
| | <i>Speaker: J.A. Downs (United Kingdom)</i> | |
| 15:35 | Synthetic lethal approaches to cancer therapy | 343 |
| | <i>Speaker: A. Ashworth (United Kingdom)</i> | |
| 16:05 | The ATM-mediated DNA damage response: back to DNA repair | 344 |
| | <i>Speaker: Y. Shiloh (Israel)</i> | |

14:35–16:35 Symposium: Inflammation and cancer (Jan Mayen 2)*Chair: M. Karin (USA)**Chair: R. Giavazzi (Italy)*

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|-------|--|-----|
| 14:35 | Improving cancer immunotherapy by preventing chemokine nitration | 345 |
| | <i>Speaker: A. Viola (Italy)</i> | |
| 15:05 | From inflammation and regeneration to hepatocarcinogenesis | 346 |
| | <i>Speaker: E. Galun (Israel)</i> | |
| 15:35 | The inflammatory tumour microenvironment: tumour-protective or tumour promoting? | 347 |
| | <i>Speaker: K. De Visser (The Netherlands)</i> | |
| 16:05 | Control of tumour progression and metastasis by inflammatory signals | 348 |
| | <i>Speaker: M. Karin (USA)</i> | |

17:30–18:20 Dentist O. Aase and E. Granqvist Memorial Lecture (Hall B)*Chair: M. Pierotti (Italy)*

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|-------|---|-----|
| 17:30 | Targeted therapy – novel anti-HER2 strategies in the therapy of breast cancer | 349 |
| | <i>Speaker: J. Baselga (Spain)</i> | |

Poster Session

	Poster Nr.	Abstract Nr.
Cell and Tumour Biology	001–245	350–594
Survivorship Research	246–256	595–605

Tuesday 29 June 2010**07:00–08:00 After Sunrise: Meet the Expert (Svalbard)**

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|-------|---|-----|
| 07:00 | Evolution of genetic and gene expression networks during tumour development | 606 |
| | <i>Speaker: A. Balmain (USA)</i> | |

07:00–08:00 After Sunrise: Meet the Expert (Jan Mayen 1)

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|-------|---|-----|
| 07:00 | Exploring chemoresistance in vivo; are we making progress | 607 |
| | <i>Speaker: P.E. Lønning (Norway)</i> | |

08:00–08:50 Educational Lecture: Developing targeted therapy (Svalbard)

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|-------|---|-----|
| 08:00 | Systems approach to personalized molecular medicine | 608 |
| | <i>Speaker: G.B. Mills (USA)</i> | |

08:00–08:50 Educational Lecture: Cell cycle (Jan Mayen 1)	Abstract Nr.
08:00 In and out of G1	609
<i>Speaker: S. Mitnacht (United Kingdom)</i>	
08:00–08:50 Educational Lecture: RNA editing (Jan Mayen 2)	
08:00 RNA editing meets cancer	610
<i>Speaker: G. Rechavi (Israel)</i>	
09:00–09:50 Award Lecture: Carcinogenesis Young Investigator's Award (Hall B)	
<i>Chair: C.C. Harris (USA)</i>	
09:00 Homologous recombination in cancer development, treatment and development of drug resistance	611
<i>Speaker: T. Helleday (United Kingdom)</i>	
10:20–12:20 Symposium: Migration, invasion & metastases (Svalbard)	
<i>Chair: H.L. Moses (USA)</i>	
<i>Chair: L. Girnita (Sweden)</i>	
10:20 Metastasis – gene expression differences associated with site and treatment sensitivity	612
<i>Speaker: O. Fodstad (Norway)</i>	
10:50 Targeting invasion and metastasis	613
<i>Speaker: M. Frame (United Kingdom)</i>	
11:20 Mechanisms of cell signalling in metastasis	614
<i>Speaker: C. Marshall (United Kingdom)</i>	
11:50 TGF-beta regulation of the inflammatory tumour microenvironment	615
<i>Speaker: H.L. Moses (USA)</i>	
10:20–12:20 Symposium: CancerOmics (Jan Mayen 1)	
<i>Chair: S.M. Hanash (USA)</i>	
<i>Chair: S. Levanat (Croatia)</i>	
10:20 Sequencing cancer genomes	616
<i>Speaker: P. Stephens (United Kingdom)</i>	
10:50 Translational opportunities from genomic and chemical biology of cancer	617
<i>Speaker: O. Kallioniemi (Finland)</i>	
11:20 Five vertebrate ChIP-seq reveals the evolutionary dynamics of transcription factor binding	618
<i>Speaker: D. Odom (United Kingdom)</i>	
11:50 Blood based breast cancer molecular signatures	619
<i>Speaker: S.M. Hanash (USA)</i>	
10:20–12:20 Symposium: Chemoprevention & molecular epidemiology (Jan Mayen 2)	
<i>Chair: P. Boffetta (France)</i>	
<i>Chair: V.N. Kristensen (Norway)</i>	
10:20 Adjuvant diet to prevent cancer recurrence	620
<i>Speaker: F. Berrino (Italy)</i>	
10:50 Individualized prediction of prostate cancer using genetic markers	621
<i>Speaker: H. Grönberg (Sweden)</i>	
11:20 Genetics of familial cancer	622
<i>Speaker: K. Hemminki (Germany)</i>	
11:50 Integrating biomarkers of exposure, risk and outcome in epidemiology	623
<i>Speaker: P. Boffetta (France)</i>	

12:20–13:45 Workshop: Grant opportunities (Jan Mayen 1)	Abstract Nr.
The role of the Marie Curie Actions in Cancer Research	624
<i>Speaker: E. Schermer (Belgium)</i>	
Grant opportunities	625
<i>Speaker: C. Bordignon (Italy)</i>	
12:20–13:45 Workshop: Women in Science: Progress and promise (Jan Mayen 2)	
<i>Chair: A. Albini (Italy)</i>	
12:20 <i>Speaker: S.A. Eccles (United Kingdom)</i>	626
<i>Speaker: M. Foti (USA)</i>	627
13:45–14:35 Plenary Lecture: AICR Lecture (Hall B)	
<i>Chair: R. Marais (United Kingdom)</i>	
13:45 The microenvironment and the genome in breast cancer: how tissue architecture informs	628
<i>Speaker: M.J. Bissell (USA)</i>	
14:35–16:35 Symposium: Cancer stem cells (Svalbard)	
<i>Chair: P.G. Pelicci (Italy)</i>	
<i>Chair: H. Grunicke (Austria)</i>	
14:35 The molecular portraits of breast cancer and their relationship to mammary stem cells	629
<i>Speaker: C.M. Perou (USA)</i> <i>Sponsored by Susan G. Komen for the Cure®</i>	
15:05 Prospective cloning of functionally distinct breast cancer cells by use of markers from a normal human breast lineage hierarchy	630
<i>Speaker: O.W. Petersen (Denmark)</i>	
15:35 The effect of TGF-beta on glioma initiating cells	631
<i>Speaker: J. Seoane (Spain)</i>	
16:05 Regulation of self-renewal in cancer stem cells	632
<i>Speaker: P.G. Pelicci (Italy)</i>	
14:35–16:35 Symposium: Gene expression and regulation (Jan Mayen 1)	
<i>Chair: C. Prives (USA)</i>	
<i>Chair: D.G. Zaridze (Russian Federation)</i>	
14:35 The contribution of dysregulated ribosomal gene transcription to malignant transformation	633
<i>Speaker: R.D. Hannan (Australia)</i>	
15:05 Regulation of alternative splicing by the Ewing Sarcoma Protein (EWS) and DNA damage	634
<i>Speaker: J. Valcárcel (Spain)</i>	
15:35 Transcription and RNA Processing: links to cancer	635
<i>Speaker: J.L. Manley (USA)</i>	
16:05 Mechanisms by which the p53 tumor suppressor protein selects its target genes	636
<i>Speaker: C. Prives (USA)</i>	

14:35–16:35 Joint European Pathology Society–EACR Symposium: Molecular pathology (Jan Mayen 2)

Abstract Nr.

*Chair: M. Van de Vijver (The Netherlands)**Chair: N. Brünner (Denmark)*

14:35	Integrative high throughput analysis for the identification of novel therapeutic targets in breast cancer	637
	<i>Speaker: J. Reis-Filho (United Kingdom)</i>	
15:05	Tyrosine kinase inhibitor resistance mechanisms: molecular & histologic correlates	638
	<i>Speaker: J.A. Fletcher (USA)</i>	
15:35	Optimizing pathological diagnosis with new biological tools: examples in breast cancer	639
	<i>Speaker: C. Desmedt (Belgium)</i>	
16:05	Predicting response to therapy in breast cancer	640
	<i>Speaker: M.J. Van de Vijver (The Netherlands)</i>	

17:30–18:20 Mike Price Lecture (Hall B)*Chair: J. Celis (Denmark)*

17:30	Tumour metabolism: back to the future	641
	<i>Speaker: T.W. Mak (Canada)</i>	

Poster Session

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193–215	834–856
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18:20–18:45 Closing Ceremony (Hall B)

Highlights of EACR-21 & farewell message

A.L. Børresen-Dale (Norway)

Introduction to the EACR-22 Conference

J. Celis (Denmark)

Message from the National Organising Committee Chair, Barcelona 2012

J. Seoane (Spain)