

PROGRAMME DETAILS

Saturday, 05 July 2008

Opening Ceremony

13:00-13:30 **Opening remarks** (Auditorium Lumiere)
M.A. Pierotti (EACR President)

Muhlbock Lecture (Auditorium Lumiere)

13:30 – 14:30 **Identification of stem cells in small intestine and colon by a single marker gene Lgr5** **1**
H. Clevers (Utrecht, The Netherlands)

Symposium

15:00 – 17:00 **Receptor signaling** (Forum 1)
Chair: W. Gullick (Canterbury, United Kingdom)

15:00 **Computational simulation of the EGF receptor system** **2**
Speaker: W. Gullick (Canterbury, United Kingdom)

15:30 **The EGF receptor signalling system** **3**
Speaker: Y. Yarden (Rehovot, Israel)

16:00 **The EGF receptor system as a target for therapy** **4**
Speaker: N. Normanno (Naples, Italy)

16:30 **Mechanisms of resistance to EGFR inhibitors** **5**
Speaker: F. Ciardiello (Naples, Italy)

Symposium

15:00 – 17:00 **Gene expression and cancer** (Salon Pasteur)
Chair: R.J. White (Glasgow, United Kingdom)

15:00 **Non-coding RNA and chromatin remodeling: Intergenic transcripts regulate the epigenetic state of rRNA genes** **6**
Speaker: I. Grummt (Heidelberg, Germany)

15:30 **RNA polymerase III transcription and cancer** **7**
Speaker: R.J. White (Glasgow, United Kingdom)

16:00 **eIF4E and post-transcriptional gene regulation in cancer** **8**
Speaker: K.L. Borden (Montreal, Canada)

16:30 **A transcriptional module initiates and maintains mesenchymal transformation in the brain** **9**
Speaker: A. Iavarone (New York, USA)

Symposium

15:00 – 17:00 **Diagnostic and predictive molecular markers** (Amphithéâtre Pasteur)
Chair: A.-L. Børresen-Dale (Oslo, Norway)

15:00 **Blood expression profiles as early diagnosis of breast cancer** **10**
Speaker: A.-L. Børresen-Dale (Oslo, Norway)

15:30	Gene methylation for the diagnosis and prognosis of cancer Speaker: P. Cairns (Philadelphia, PA, USA)	11
16:00	Predictive gene profiles for breast cancer patients Speaker: C.M. Perou (Chapel Hill, USA)	12
16:30	TP53 as an important molecular marker Speaker: P. Hainaut (Lyon, France)	13
Plenary Lecture		
17:00 – 18:00	Auditorium Lumiere Breast cancer stem cells Speaker: K. Polyak (Boston, USA)	14

Sunday, 06 July 2008

Educational Lecture

08:00 – 08:50	Forum 1 The pathogenesis of human papillomaviruses associated cancers – theoretical concepts and clinical applications Speaker: M. von Knebel Doeberitz (Heidelberg, Germany)	15
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Educational Lecture

08:00 – 08:50	Salon Pasteur Systems approach to drug development and implementation Speaker: G.B. Mills (Houston, USA)	16
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Educational Lecture

08:00 – 08:50	Amphithéâtre Pasteur Designing new cancer drugs: The science, the art and team sport Speaker: P. Workman (Sutton, United Kingdom)	17
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Plenary Lecture

09:00 – 09:45	Auditorium Lumiere KISS1 induction of metastatic dormancy – a therapeutic opportunity? Speaker: D.R. Welch (Birmingham, USA)	18
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Symposium

10:15 – 12:15	Cell death pathways (Forum 1) Chair: V. Jendrossek (Essen, Germany)	
10:15	Myc-induced apoptosis and tumour suppression: Lessons from mouse models Speaker: G. Evan (San Francisco, USA)	19
10:45	Selective autophagic regulation of tumour cell viability Speaker: K. Ryan (Glasgow, United Kingdom)	20
11:15	BH3-only proteins are essential initiators of programmed cell death and stress-induced apoptosis in normal and cancer cells Speaker: A. Strasser (Parkville, Australia)	21
11:45	Dual role of autophagy in cancer Speaker: E.P. White (Piscataway, USA)	22

Symposium

10:15 – 12:15	Canceromics (Salon Pasteur) Chair: M. Stratton (Cambridge, United Kingdom)	
10:15	Patterns of somatic mutation in human cancer genomes Speaker: M. Stratton (Cambridge, United Kingdom)	23
10:45	Paradigm shift in proteomics – implication for biomarker discovery and evaluation Speaker: B. Domon (Zürich, Switzerland)	24
11:15	Biological insights from quantitative analysis of RTK signalling networks Speaker: F.M. White (Cambridge, USA)	25
11:45	Interactome networks Speaker: M. Vidal (Boston, USA)	26

Symposium

10:15 – 12:15	Mouse models (Amphithéâtre Pasteur) Chair: A. Berns (Amsterdam, The Netherlands)	
10:15	Mouse models of cancer Speaker: A. Berns (Amsterdam, The Netherlands)	27
10:45	Dissecting tumour suppressor gene networks in vivo Speaker: S.W. Lowe (NY, USA)	28
11:15	Epidermal stem cells in tissue homeostasis and cancer. Role of Rac1 and Myc Speaker: S. Aznar-Benitah (Madrid, Spain)	29
11:45	Integrative comparative oncogenomics of mouse and human tumours Speaker: L. Chin (Boston, USA)	30

Young Cancer Researcher's Workshops

12:45 – 13:45	Forum 1 How to be effective in applying for fellowships Co-ordinator: J. Celis (Copenhagen, Denmark) Co-ordinator: R.J. White (Glasgow, United Kingdom)	
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Award Lecture

13:45 – 14:35	Auditorium Lumiere Young Cancer Researcher's Award Lecture SPAR1 is an anti-recombinase that impacts on genome stability and cancer S. Boulton (United Kingdom)	37
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Presidential Session I**Applied Biosystems - EACR 40th Anniversary Research Awards**

14:35 – 16:05	Signalling and tumour environment (Auditorium Lumiere) Chair: W. Gullick (Canterbury, United Kingdom) Tumour biology	
14:35	Rac activation and inactivation control plasticity of tumour cell movement <u>V. Sanz-Moreno</u> , G. Gadea, H. Paterson, C.J. Marshall (United Kingdom)	31

14:50	Tumorigenesis-promoting events and signalling by tenascin-C K. Lange, M. Kammerer, <u>Y. Jia</u> , A.C. Feutz, G. Christofori, G. Orend (France)	32
15:05	Breast tumour environment inhibits human plasmacytoid dendritic cell functions <u>V. Sisirak</u> , C. Aspod, J. Banchereau, A.K. Palucka, J. Plumas, J.Y. Blay, C. Caux, N. Bendriss-Vermare (France)	33
	Translational research	
15:20	Molecular subclassification of breast carcinomas based on aCGH, gene expression, IHC and ploidy – relevance for clinical outcome <u>H.G. Russnes</u> , T. Sørli, A. Krasnitz, A. Zetterberg, B. Naume, E. Borgen, J.M. Nesland, M. Wigler, A.L. Børresen-Dale, J. Hicks (Norway)	34
15:35	Activation of alternative HER receptors mediates resistance to EGFR tyrosine kinase inhibitors in breast cancer cells <u>A. Kong</u> , V. Calleja, P. Leboucher, A. Harris, P. Parker, B. Larijani (United Kingdom)	35
15:50	Large scale comparative proteomic study of accessible vascular proteins in mouse liver metastases and normal liver <u>B. Borgia</u> , C. Rösli, T. Fugmann, D. Neri, R. Giavazzi (Switzerland)	36
Presidential Session II		
Applied Biosystems - EACR 40th Anniversary Research Awards		
14:35 – 16:05	Cancer genetics (Forum 1) Chair: A.-L. Børresen-Dale (Oslo, Norway)	
	Oncogenomics	
14:35	Screening 101 renal cancers for somatic mutations in 3,726 genes <u>G.L. Dalglish</u> , P.A. Futreal, M.R. Stratton (United Kingdom)	38
14:50	The impact of defined Brca1 mutations on tumour development, drug response and acquired resistance <u>R. Drost</u> , P. Bouwman, H. Van der Gulden, E. Van der Burg, J. Jonkers (The Netherlands)	39
	Genetic epidemiology	
15:05	A genome-wide association study of tag SNPs identify five novel colorectal cancer susceptibility loci <u>L. Carvajal-Carmona</u> , E. Webb, E. Jaeger, P. Broderick, S. Spain, K. Howarth, A. Pittman, C. Corgi Consortium, R. Houlston, I. Tomlinson (United Kingdom)	40
15:20	Genetic variants of miRNA sequences and non small cell lung cancer survival <u>H. Shen</u> , Z. Hu, J. Chen, T. Tian (China)	41
15:35	ATM in breast cancer susceptibility – results of a pooled analysis of case-control mutation screening data D. Babikyan, <u>F. Lesueur</u> , C. Voegelé, M. Vallee, F. Le Calvez-Kelm, M. Hashibe, C. Shu-Chun, J. Hall, G.B. Byrnes, S.V. Tavtigian (France)	42
Plenary Lecture		
AICR Lecture		
17:30 – 18:30	Auditorium Lumiere Rho GTPases, actomyosin contractility and cell migration Speaker: C. Marshall (London, United Kingdom)	43

Poster Sessions

Cell and tumour biology 1	44–97
Experimental/Molecular therapeutics, pharmacogenomics 1	98–124
Signalling pathways 1	125–155
General, molecular and genetic epidemiology 1	156–180
Carcinogenesis	181–211
Radiobiology / Radiation oncology	212–231

Monday, 07 July 2008**Educational Lecture**

08:00 – 08:50	Forum 1	
	The von Hippel-Lindau protein: insights into hypoxic signaling and cancer	232
	Speaker: W.G. Kaelin, Jr (Boston, USA)	

Educational Lecture

08:00 – 08:50	Salon Pasteur	
	An in vitro systems approach to predicting and understanding clinical responses to molecularly targeted therapeutics	233
	Speaker: P. Spellman (Berkeley, USA)	

Educational Lecture

08:00 – 08:50	Amphithéâtre Pasteur	
	Vascular targeting antibodies: from the bench to the clinic	234
	Speaker: D. Neri (Zurich, Switzerland)	

Plenary Lecture

09:00 – 09:45	Auditorium Lumiere	
	Metabolism	235
	Speaker: C.B. Thompson (Philadelphia, USA)	

Symposium

10:15 – 12:15	Invasion and metastasis (Forum 1)	
	Chair: M. Frame (Glasgow, United Kingdom)	
10:15	Cell adhesion and signalling	236
	Speaker: M. Frame (Glasgow, United Kingdom)	
10:45	Signalling mechanisms of tumour cell migration and metastasis	237
	Speaker: R. Klemke (La Jolla, USA)	
11:15	Individual and collective cancer cell invasion	238
	Speaker: P. Friedl (Nijmegen, The Netherlands)	
11:45	Cell adhesion to the extra cellular matrix (ECM) in motility and metastasis	239
	Speaker: B. Geiger (Rehovot, Israel)	

Symposium

10:15 – 12:15	DNA repair and genomic instability (Salon Pasteur) Chair: J.A. Downs (Brighton, United Kingdom)	
10:15	DNA damage and repair: from premature ageing and cancer to longevity Speaker: J.H. Hoeijmakers (Rotterdam, The Netherlands)	241
10:45	Chromatin signalling in DNA damage checkpoint response Speaker: S. Kron (Chicago, USA)	242
11:15	Mechanisms controlling the integrity of replicating chromosomes Speaker: M. Foiani (Milan, Italy)	243
11:45	An oncogene-induced DNA replication stress model for human cancer development Speaker: T.D. Halazonetis (Genève, Switzerland)	244

Symposium

10:15 – 12:15	Genetic epidemiology / Whole genome scan (Amphithéâtre Pasteur) Chair: P. Boffetta (Lyon, France)	
10:15	Identifying new breast cancer genes through international consortia Speaker: B.A.J. Ponder (Cambridge, United Kingdom)	245
10:45	Genome wide association studies for breast and prostate cancer susceptibility loci in the CGEMS initiative Speaker: G. Thomas (Rockville, USA)	246
11:15	Issues and opportunities in family-based designs for young-onset cancers Speaker: C.R. Weinberg (NC, USA)	247
11:45	Detecting new genes for tobacco-related cancers – genomewide association study of lung cancer Speaker: R.J. Hung (Toronto, USA)	248

Young Cancer Researcher's Workshops

12:45 – 13:45	Forum 1 Introduction to pharmaceutical research and development Co-ordinator: M.J. Browne (Hertfordshire, United Kingdom)	
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Award Lecture

13:45 – 14:35	Anthony Dipple Carcinogenesis Award (Auditorium Lumiere) Mechanisms of malignant progression Speaker: R.A. Weinberg (Cambridge, USA)	248A
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Symposium

14:35 – 16:35	Cancer cells metabolism (Forum 1) Chair: J. Pouyssegur (Nice, France) Co-Chair: Z.M. Bhujwalla (Baltimore, USA)	
14:35	Hypoxia, autophagy and tumour metabolism Speaker: J. Pouyssegur (Nice, France)	249
15:05	Targeting glycolytic enzymes and mitochondria as novel cancer therapy Speaker: V.R. Fantin (Boston, USA)	250

15:35	Causes and consequences of increased glucose metabolism in metastatic cancers Speaker: R.J. Gillies (Tucson, USA)	251
16:05	New imaging approaches of metabolism in tumours Speaker: Z.M. Bhujwalla (Baltimore, USA)	252
Symposium		
14:35 – 16:35	Immune system and cancer (Salon Pasteur) Chair: M.P. Colombo (Milan, Italy) Co-Chair: L. Zitvogel (Villejuif, France)	
14:35	The molecular bases of the immunogenicity of cell death Speaker: L. Zitvogel (Villejuif, France)	255
15:05	Tumour-promoting stroma impregnated by cancer cells is destroyed by specific T cells Speaker: H. Schreiber (Chicago, USA)	256
15:35	Tumour-educated macrophages as promoters of tumour progression Speaker: J.W. Pollard (Bronx, USA)	257
16:05	BM-derived cells that foster tumour growth and their manipulation Speaker: L. Naldini (Milan, Italy)	258
Symposium		
14:35 – 16:35	Molecular pathology (Amphithéâtre Pasteur) Chair: M. Van de Vijver (Amsterdam, The Netherlands)	
14:35	Gene expression profiling of breast cancer Speaker: M. Van de Vijver (Amsterdam, The Netherlands)	259
15:05	Breast cancer phenotype and genetic alterations: how are they connected? Speaker: J. Reis-Filho (London, United Kingdom)	260
15:35	The genetic future of pathology: of pancreatic cancer and other malignancies Speaker: N. Lemoine (London, United Kingdom)	261
16:05	Tumour metastasis: mechanistic insights and clinical challenges Speaker: A. Scarpa (Verona, Italy)	262
Plenary Lecture		
17:30 – 18:30	Auditorium Lumière Inflammation and cancer Speaker: M. Karin (La Jolla, USA)	264
Poster Sessions		
	Cell and tumour biology 2	265–317
	Experimental/Molecular therapeutics, pharmacogenomics 2	318–344
	Signalling pathways 2	345–376
	General, molecular and genetic epidemiology 2	377–400
	Translational research 1	401–436
	Oncogenomics	437–457

Tuesday, 08 July 2008**Educational Lecture**

08:00 – 08:50	Forum 1	
	Targeting the DNA-damage response as a therapeutic strategy	458
	Speaker: S.P. Jackson (Cambridge, United Kingdom)	

Educational Lecture

08:00 – 08:50	Salon Pasteur	
	What is Epigenetics?	459
	Speaker: M. Esteller (Madrid, Spain)	

Educational Lecture

08:00 – 08:50	Amphithéâtre Pasteur	
	Biomarkers and surrogate endpoints in clinical research – some statistical challenges	460
	Speaker: M. Buyse (Ottignies Louvain-la-Neuve, Belgium)	

Symposium

09:00 – 11:00	New targets (Forum 1)	
	Chair: R. Marais (London, United Kingdom)	
09:00	BRAF and RAS signalling in human melanoma	461
	Speaker: R. Marais (London, United Kingdom)	
09:30	PI3-kinases and cancer	462
	Speaker: G.B. Mills (Houston, USA)	
10:00	Choline kinase is a novel prognostic marker and a therapeutic target in human cancer	463
	Speaker: J.C. Lacal (Madrid, Spain)	
10:30	The TGF-beta pathway in cancer	464
	Speaker: J. Seoane (Barcelona, Spain)	

Symposium

09:00 – 11:00	Role of microRNAs in cancer (Salon Pasteur)	
	Chair: R. Agami (Amsterdam, The Netherlands)	
09:00	Functional genetic approaches identify cancerous miRNAs	465
	Speaker: R. Agami (Amsterdam, The Netherlands)	
09:30	Small RNAs in animal development	466
	Speaker: R.F. Ketting (Utrecht, The Netherlands)	
10:00	Toward a non-coding RNA revolution in cancer society	467
	Speaker: G.A. Calin (Houston, USA)	
10:30	MicroRNA-221/-222 pathway controls melanoma progression	468
	Speaker: A. Carè (Rome, Italy)	

Symposium

09:00 – 11:00	Ageing telomerase (Amphithéâtre Pasteur) Chair: E. Gilson (Lyon, France)	
09:00	Oncosuppressive effects of telosome protein inhibition Speaker: E. Gilson (Lyon, France)	469
09:30	Telomere length and haematopoietic stem cell adaptation in mice compromised for telomerase activity Speaker: L. Harrington (Edinburgh, United Kingdom)	470
10:00	Role of Exo1 in telomere biology Speaker: K.L. Rudolph (Hannover, Germany)	471
10:30	Telomerase and telomeric repeat containing RNA at chromosome ends Speaker: J. Lingner (Epalinges s/Lausanne, Switzerland)	472
Award Lecture 12:30 – 13:15	Carcinogenesis Young Investigator's Award (Auditorium Lumiere) Blueprint of the breast and colorectal cancer genomes Speaker: V.E. Velculescu (Baltimore, USA)	472A
Mike Price Lecture 13:15 – 14:15	Auditorium Lumiere Mike Price Lecture Speaker: K. Vousden (Glasgow, United Kingdom)	473
Closing Ceremony 13:00 – 13:30	Farewell Message (Auditorium Lumiere) M.A. Pierotti (EACR President) A.-L. Borresen-Dale (EACR President-elect)	
Poster Sessions		
	Cell and tumour biology 3	474–526
	Experimental/Molecular therapeutics, pharmacogenomics 3	527–553
	Signalling pathways 3	554–585
	Translational research 2	586–621
	Survivorship research	622–627
	Tumour immunology	628–657