

Program

TUESDAY, OCTOBER 20, 2009

OPENING SESSION

Palais des Congrès de Versailles

19:00 *Greetings:*

Mr. François de Mazières, Versailles, France
Mayor of Versailles

Prof. Dominique Maraninchi, Boulogne-Billancourt, France
President, Institut National du Cancer

Dr. Margaret Foti, Philadelphia, USA
Chief Executive Officer – American Association for Cancer Research

Prof. Fabien Calvo, Boulogne-Billancourt, France
Scientific Director – Institut National du Cancer

Opening Lectures:

19:30 **Isaac P. Witz**, Tel Aviv, Israel - Introductory Lecture
The Tumor Microenvironment: The Making of a Paradigm

19:50 **Jeffrey W. Pollard**, New York, USA - Key-note Lecture
Macrophages and Metastasis

20:30 **Welcome Reception** – *Sponsored by the City of Versailles*

WEDNESDAY, OCTOBER 21, 2009

PLENARY SESSION 1: Regulation of Gene Expression in Tumor and Non-Tumor Cells in the Microenvironment

Auditorium Richelieu

Session Dedicated to the Memory of Mary A. Pikovski

Chairperson: Margaret Foti, Philadelphia, PA, USA

08:45 **Avraham Raz**, Detroit, MI, USA

Cleavage of Galectin-3 by Matrix Metalloproteinases Regulates Breast Cancer Progression and Metastasis

09:10 **Valerie Marie Weaver**, San Francisco, CA, USA

Extracellular Matrix Remodeling Forces Tumor Progression

09:35 **Yoel Kloog**, Tel Aviv, Israel

Intercellular Transfer of Ras and microRNAs: New Mechanisms of Non-Autonomous Protein Functions and Post-Transcriptional Control

10:00 **Mary Hendrix**, Chicago, IL, USA

Reprogramming Metastatic Tumor Cells with an Embryonic Microenvironment: Convergence of Embryonic and Tumorigenic Signaling Pathways

10:35-11:00 Coffee – Sponsored by TEVA Pharmaceutical Industries Ltd

PLENARY SESSION 2: Therapeutic Targeting of Tumor-Microenvironment Interactions: Pre Clinical and Clinical Studies
Auditorium Richelieu

Chairperson: Fabien Calvo, Boulogne-Billancourt, France

11:00 **Jacques Pouysségur**, Nice, France
Hypoxia and Tumor progression: New Metabolic Anti-Cancer Targets

11:25 **Amato Giaccia**, Stanford, CA, USA
Identifying New Anti-Cancer Therapeutics Using Synthetic Lethality

11:50 **Laurence Zitvogel**, Villejuif Cedex, France
How Anticancer Therapies Switch on the Immune System?

12:15 **Benjamin Sredni**, Ramat Gan, Israel
Interference with VLA4
and Microenvironmental Interactions by the
Tellurium Compound AS101 Results in the Sensitization of AML
Cells to Chemotherapy

12:40 **Wolf H. Fridman**, Paris, France
The Immune Modulation by Anti-Angiogenic Therapy

13:05 **Yona Keisari**, Tel Aviv, Israel
Treatment of Solid Malignant Tumors by Intra-Tumoral Diffusing
Alpha-Emitting Sources: Role of Tumor Micro- and Macro-
Environmental Traits

13:30-14:45 Business Meeting and Lunch – Auditorium Richelieu

**PLENARY SESSION 3: Interactions of Tumor Cells with
Microenvironmental Cells and Molecules**
Auditorium Richelieu

Chairperson: Wolf H. Fridman, Paris, France

14:45 **Yves A. DeClerck**, Los Angeles, CA, USA
Interleukin-6 and the Tumor Microenvironment

15:10 **Seth Coffet** **(Replacing Claire Lewis)**
Sheffield, UK
Regulation of Macrophage Function by the Tumor
Microenvironment: Role of Hypoxia and Angiopoietin-2

15:35 **Eli Keshet**, Jerusalem, Israel
Angiogenic Accessory Cells: VEGF-induced Recruitment and Reprogramming

16:00 **Robert Kerbel**, Toronto, ON, Canada
Therapy-Induced Alteration of the Tumor Microenvironment: Impact
of Bone Marrow Derived Cells

16:25 **Margareta M. Mueller**, Heidelberg, Germany
Characterization of Factors Activating Gr-1+ Inflammatory Cells
in Squamous Cell Carcinoma Towards a Tumor-supporting, Proangiogenic
Phenotype

**16:50-17:15 Coffee – Sponsored by “Cancer Microenvironment” the
official journal of the International Cancer Microenvironment
Society**

PLENARY SESSION 4: Inflammation & Protective Immunity in the Tumor Microenvironment I
Auditorium Richelieu

Chairperson: Eiichi Tahara, Hiroshima, Japan

17:15 **Catherine Sautès-Fridman**, Paris, France
Role of Inflammation and Immune Privilege Microenvironment in Tumor Development

17:40 **Salem Chouaib**, Villejuif, France
Interaction of CTLs with Stroma Components: Endothelial Cell Cross-Recognition by Specific CTL and Influence of Hypoxic Stress

18:05 **Ron N. Apte**, Beer-Sheva, Israel
The Role of IL-1R, TLR2 and TLR4 Signaling in the Malignant Process

20:00 Conference Dinner

THURSDAY, OCTOBER 22, 2009

SYMPOSIUM 1: Regulation of Gene Expression in the Tumor Microenvironment I

Auditorium Richelieu

Chairperson: Ruth Lupu, Rochester, MN, USA

08:30 **Andrei Thomas-Tikhonenko**, Philadelphia, PA, USA
Attenuation of TGF β Signaling by c-Myc-regulated microRNAs

08:50 **Ruth Lupu**, Rochester, MN, USA
Knockout of Heregulin (HRG) Expression Reverts Paclitaxel-Resistance and Promotes Mesenchymal Epithelial Transition (MET) of Triple Negative Breast Cancer Cells

09:10 **Stefano Indraccolo**, Padova, Italy
Decoding Tumor-Host Interactions in Dormancy: Notch3-mediated Regulation of MKP-1 Promotes Tumor Cell Survival

09:22 **Tanya Kalin**, Cincinnati, OH, USA
Role of Foxm1 Transcription Factor in Tumor Microenvironment

09:34 **Florence Brellier**, Basel, Switzerland
Tenascin-W is Overexpressed in Glioma-Associated Blood Vessels and Stimulates Angiogenesis *in vitro*

09:46 **Hagit Turm**, Jerusalem, Israel
Protease activated receptor1, PAR1 Acts via a Novel G α_{13} -DVL Axis to Stabilize β -catenin Levels

09:58 **Matthew Farren**, Buffalo, NY, USA
Tumor-Mediated Suppression of Myeloid to Dendritic Cell (DC) Differentiation via down Regulation of Protein Kinase C β II (PKC β II) Expression

10:10 **Chandana Koorella**, Buffalo, NY, USA
Myeloma Cell Survival and Importance of Crosstalk between Notch1-Jagged2 and CD28-B7 Pathways in Dendritic Cells

10:22 **Olatz Crende**, Leioa, Bizkaia, Spain
Interleukin-18-Dependent Genes of Highly Metastatic Human Melanoma

10:34 **Gwendal Lazennec**, Montpellier, France
Interleukin-8 Expression Is Regulated by Histone Deacetylases through NF- κ B Pathway in Breast Cancer

10:46 **Zendra Zehner**, Richmond, VA, USA
Differential Expression of MicroRNA-17-3p Reverts Morphology of Prostate Cells in IrECM Gels, Reduces Tumor Growth *in vivo* and Correlates with Prostate Tumor Expression by LCM Analysis

10:58-11:30 Coffee

***SYMPOSIUM 2: Interactions of Tumor Cells with
Microenvironmental Cells & Molecules I***
Room Lulli

Chairperson: Raffaella Giavazzi, Milan, Italy

08:30 **Jacques Huot**, Québec, QC, Canada
Regulation of Colon Cancer Metastasis by Death Receptor-3 and E-selectin

08:50 **Izhak Haviv**, Prahran, Vic, Australia
The Origin of Carcinoma-Associated Fibroblasts

09:10 **Lu-Yuan Li**, Tianjin, China
VEGI, an Endogenous Antiangiogenic Cytokine, Inhibits Hematopoietic Stem Cell Differentiation into Endothelial Progenitor Cell

09:22 **Beatriz Arteta**, Leioa, Bizkaia, Spain
Colon Carcinoma Cell Interaction with Liver Sinusoidal Endothelium Inhibits Organ-Specific Anti-Tumor Immunity via Interleukin-1-Induced Mannose Receptor

09:34 **David Allard**, Cambridge, UK
Reversal of the Transformed Phenotype and Normalisation of Oncogene-Regulated Genes through Contact with Normal Cells

09:46 **Claudia Andl**, Nashville, TN, USA
Fibroblast-Dependent Epithelial Cell Invasion in a Reconstruct Model for Esophageal Cancer

09:58 **Catherine Muller**, Toulouse, France
Cancer-Associated Adipocytes: New Key Players in Breast Tumour Invasion

10:10 **Charlotte Anderberg**, Stockholm, Sweden
Paracrine Signaling by PDGF-CC Promotes Tumor Growth by Recruitment of Cancer-associated Fibroblasts Secreting Osteopontin

10:22 **Didier Dréau**, Charlotte, NC, USA
Interplay between Stroma Chemokines and Endothelin-1 in Breast Cancer Cell Migration and Monocyte Recruitment

10:34 **Ellen Van Obberghen-Schilling**, Nice, France
Autocrine Fibronectin is Essential for Matrix Assembly, Integrin Usage and Adherens Junction Formation in Endothelial Cells

10:46 **Pampee Young**, Nashville, TN, USA
Tumor-Derived, Low-Level TNF α Expression Augments the Formation of Tumor-Promoting Myeloid Subtype of Vascular Leukocytes Through the Upregulation of Integrin α_5 and Enhanced Binding to Fibronectin

10:58-11:30 Coffee

***SYMPOSIUM 3: Inflammation & Protective Immunity in the Tumor
Microenvironment I***
Room Colbert

Chairperson: Jan Bubenik, Prague, Czech Republic

08:30 **Sharon Evans**, Buffalo, NY, USA
Overcoming Obstacles to Cancer Immunity at the T Cell – Tumor
Microvascular Checkpoint

08:50 **Jan Bubenik**, Prague, Czech Republic
Depletion of Treg Cells Enhances Inhibition of Tumour Growth
by Cyclophosphamide Derivatives and IL-12-producing Cellular
Vaccines

09:10 **Melody Swartz**, Lausanne, Switzerland
Lymph Node Mimicry by Tumors Induces Immunological Tolerance

09:30 **Paola Larghi**, Rozzano, Italy
Role of P50 NF-kappaB in Dendritic Cell Functions

09:42 **Marie-Laure Arcangeli**, Marseille, France
JAM-B and JAM-C: Ying and Yang of Metastasis and Anti-Tumor
Immune Response

09:54 **Nadira Delhem**, Lille, France
Epstein Barr Virus Infection in Hodgkin's Lymphoma: A Mechanism
Facilitating Induced Regulatory T Cells Recruitment

10:06 **Rinat Rotem-Yehudar**, Yavne , Israel
CT-011, a Humanized Monoclonal Antibody, Interacts with the
PD-1 Receptor and Modulates Survival and Trafficking Signals in
Effector/memory T Lymphocytes

10:18 **Jean Edouard Gairin**, Toulouse, France
Tumor Cell Plasticity under Immune Micro-Environment Pressure

10:30 **Guerric Epron**, Rennes, France
Macrophages, IL-15, and Follicular Lymphoma: Towards a Better
Understanding of the Interface Between Tumor B Cells and their
Microenvironment

10:42 **Riad Abes**, Paris, France
Anti-Tumor Treatment of Tumor-Bearing Immunocompetent Mice
with Anti-CD20 mAb Induces an Adaptive Immune Response that
can be Strengthened by IL-2 Infusion

10:54-11:30 Coffee

**Symposium 4: Molecular Pathways in the Tumor
Microenvironment I**
Auditorium Richelieu

Chairperson: Michael Micksche, Vienna, Austria

11:30 **Mircea Ivan**, Indianapolis, IN, USA
Hypoxia-Regulated MicroRNAs, New Players in Tumorigenesis

11:50 **Pierre Sonveaux**, Brussels, Belgium
Role of Lactate as a Fuel in a Unique Microenvironmentally
Controlled Metabolic Symbiont

12:02 **Emily Chen**, Stony Brook, NY, USA
Hypoxia Tolerance and Breast Cancer Metastasis

12:14 **F. Javier Oliver**, Armilla, Granada, Spain
Antimetastatic Action of Parp Inhibition in Melanoma through Counteracting
Angiogenesis and emt Transition

12:26 **Ludwig Dubois**, Maastricht, The Netherlands
Specific Sulfonamide Inhibitors of CA IX are able to Image
Hypoxia Response and Enhance the *in vivo* Therapeutic Effect of
Conventional Cancer Treatments

12:38 **Marina Konopleva**, Houston, TX, USA
Targeting Hypoxic Microenvironment in Acute Lymphocytic
Leukemia (ALL)

12:50 **Nathalie M. Mazure**, Nice, France
Mitochondrial VDAC3 Splice Variant is Induced in Hypoxia and
Protects from Apoptosis

13:02 **Sarah Crawford**, New Haven, CT, USA
Biomechanical Model of Stress-Dependent Formation of Tissue
Organizing Structures (TOS) Associated with Solid Tumor
Formation, Invasion and Metastasis

13:14 **Constantinos Koumenis**, Philadelphia, PA, USA
The GCN2-ATF4 Pathway is a Key Determinant of Tumor Cell
Survival and Proliferation in Response to Amino Acid and Glucose
Deprivation

Afternoon free

SYMPOSIUM 5: The Role of the Tumor Microenvironment in Tumor Progression I
Room Lulli

Chairperson: Avraham Raz, Detroit, MI, USA

11:30 **Dave Hoon**, Santa Monica, CA, USA
Epigenetic Regulation of SPARC in Tumor Microenvironment
Stromal Cells is Associated with Vascular Status of Early Stage
Colon Cancer

11:50 **Ugo Cavallaro**, Milan, Italy
The New Identity of L1: from a Neural Adhesion Molecule to a
Central Modulator of Tumor/Microenvironment Crosstalk?

12:10 **David Barron**, Houston, TX, USA
Further Defining Reactive Stroma in Prostate Cancer

12:22 **Virginie Dangles-Marie**, Paris, France
Newly Characterised *ex vivo* Colospheres as a Three-Dimensional
Colon Cancer Cell Model of Tumour Aggressiveness

12:34 **Steven Mittelman**, Los Angeles, CA, USA
Adipocytes Protect Acute Lymphoblastic Leukemia Cells from
Chemotherapy

12:46 **Dimitris Kletsas**, Athens, Greece
Human Lung Fibroblasts Prematurely Senescent after Exposure to
Ionizing Radiation Enhance the Growth of Malignant Epithelial
Cells *in vitro* and *in vivo*.

12:58 **Ann-Charlotte Johansson**, Linköping, Sweden, Stockholm, Sweden
Cancer-Associated Fibroblasts Protect Head and Neck Squamous
Cell Carcinoma Cells from Cetuximab-Induced Cytotoxicity

13:10 **Magdalena Dutsch-Wicherek**, Krakow, Poland
RCAS1 Protein Involvement in Creation of Suppressive Tumor
Microenvironment in Salivary Gland Adenocarcinoma

13:22 **Sumanta Goswami**, Bronx, NY, USA
Tumor Microenvironment Induced Drug and Radio Resistance in
Invasive Breast Cancer Cells

Afternoon free

SYMPOSIUM 6: Phenotypic & Functional Alterations in the Tumor Microenvironment
Room Colbert

Chairperson: Theresa L. Whiteside, Pittsburgh, PA, USA

11:30 **Viktor Umansky**, Heidelberg, Germany
Immunosuppressive Tumor Microenvironment in *ret* Transgenic Mouse Melanoma Model

11:50 **Theresa L. Whiteside**, Pittsburgh, PA, USA
Mechanisms of Tumor-escape from the Immune System: Adenosine-producing Treg, Exosomes and Tumor-associated TLRs

12:10 **Curzio Rüegg**, Lausanne, Switzerland
Radiation-Induced Modifications of the Tumor Microenvironment Promote Metastasis

12:30 **Dan Mercola**, Irvine, CA, USA
The Microenvironment Adjacent to Prostate Cancer Exhibits Numerous Differential Expression Changes that are Useful for Diagnosis without Tumor Cells

12:50 **Raj Tiwari**, Valhalla, NY, USA
Bone Marrow Endothelial Progenitor Cells are Systemic Sensors of Breast Cancer

13:02 **Nancy Boudreau**, San Francisco, CA, USA
Stabilization of the Breast Tumor Microenvironment Using Hox Genes

13:14 **Jing Yang**, Houston, TX, USA
Macrophages are an Important Component of Myeloma Microenvironment and Protect Myeloma Cells from Chemotherapy Drug-Induced Apoptosis

13:26 **Harry L. Joachim**, New York, NY, USA
Interactions of Microenvironment with Carcinomas Depend on Tumor Type, Grade and Stage

Afternoon free

FRIDAY, OCTOBER 23, 2009

SYMPOSIUM 7: Regulation of Gene Expression in the Tumor Microenvironment II

Auditorium Richelieu

Chairperson: Eva Klein, Stockholm, Sweden

08:30 **Eva Klein**, Stockholm, Sweden

The Role of Microenvironment on the Regulation of Epstein-Barr Virus Latent Gene Expression

08:50 **Ben-Zion Katz**, Tel-Aviv, Israel

Adhesive Interactions Regulate Transcriptional Diversity in Malignant B-cells

09:10 **Kerstin Junker**, Jena, Germany

Changes in Epigenetic Expression Patterns of Tumour Associated Fibroblasts (TAF)

09:22 **Marie-Christine Rio**, Illkirch, France

Cancer Cell-adipocyte Cross-talk: Role of Matrix Metalloproteinase-11/stromelysin-3

09:34 **Corinne Bousquet**, Toulouse, France

Forced Hemidesmosome Assembly as a Novel Mechanism for Somatostatin Receptor sst2 Tumor Suppressive Activity in Pancreatic Cancer

09:46 **Vincent Frontera**, Marseille, France

Anti-JAM-C Tumor Growth Inhibition Occurs through Modulation of Thrombomodulin Expressing Stromal Cells

09:58 **Véronique Machelon**, Clamart, France

Identification of Glucocorticoid-Induced Leucine Zipper as a Key Regulator of Tumor Cell Proliferation in Epithelial Ovarian Cancer

10:10 **Sarah Pringels**, Ghent, Belgium

Correlated Expression Analysis of VEGF Family Members and Lipid Inflammatory Mediators in Human Colon Polyps and Carcinomas and Liver Metastases

10:22 **Gertraud Orend**, Strasbourg, France

Tenascin-C in the Tumor Microenvironment Triggers Oncogenic Signaling

10:34 **Rami Aqeilan**, Jerusalem, Israel

WWOX Expression Suppresses Tumorigenicity by Inducing Apoptosis and Attenuating Migration of Metastatic Cells

10:46 **Jozefa Wesierska-Gadek**, Vienna, Austria

Oncogenes do not Fully Override the Cellular Programme: Pronounced Impact of Cellular Microenvironment

10:58-11:30 Coffee

***SYMPOSIUM 8: Interactions of Tumor Cells with
Microenvironmental Cells & Molecules II***
Room Lulli

Chairperson: Angelo Messina, Catania, Italy

08:30 **Karin Joehrer**, Innsbruck, Austria
The Role of Myeloma-Derived Chemokine CCL27 on Tumor
Progression and Immune Escape

08:50 **Medhat Shehata**, Vienna, Austria
Reconstitution of PTEN Activity and Inhibition of the PI3-K/
Akt Signaling Prevent the Pro-Survival Effect of Bone Marrow
Microenvironment and Induce Apoptosis in CLL Cells

09:10 **Abdelilah Aboussekhra**, Riyadh, Saudi Arabia
Role of the Tumor Suppressor p16 Protein in Tumor-Stromal
Interactions in Breast Cancer

09:22 **Michael Elkin**, Jerusalem, Israel
Role of Heparanase in Colitis Associated Cancer

09:34 **Karen Hunter**, New York, NY, USA
The Role of Heparanase in Promoting Multistage Pancreatic Islet
Tumorigenesis

09:46 **Margarida Bernardo**, Detroit, MI, USA
Maspin Restores Redifferentiation of Prostate Cancer Cells in
Collagen I

09:58 **Lingtao Wu**, Los Angeles, CA, USA
Osteoblastic Maturation-dependent Microenvironment Mediated
by Retinoid Signaling Inhibits Proliferation and Induces Terminal
Differentiation of Leukemia Cells

10:10 **Laura Gibson**, Morgantown, WV, USA
VE-cadherin Regulates Philadelphia Chromosome Positive (Ph+)
Acute Lymphoblastic Leukemia (ALL) Sensitivity to Apoptosis

10:22 **Ayaka M. Silverman**, Los Angeles, CA, USA
Glectin-3 Binding Protein Produced by Neuroblastoma
Cells Stimulates the Expression of Interleukin-6 in the Tumor
Microenvironment

10:34 **Hao-Wei Wang**, New York, NY, USA
Tumor-Derived IL-4 Upregulates Cathepsin Activity in Tumor-
Associated Macrophages to Promote Cancer Development and
Progression

10:58-11:30 Coffee

SYMPOSIUM 9: Inflammation & Protective Immunity in the Tumor Microenvironment II
Room Colbert

Chairperson: Jan Żeromski, Poznan, Poland

08:30 **Michal Baniyash**, Jerusalem, Israel
Chronic Inflammation-Induced Immunosuppression: Micro and Macro Environmental Factors and Implications for Cancer Therapy

08:50 **Jan Żeromski**, Poznan, Poland
Functional Studies on Toll-Like Receptor Expression on Cell Lines of Laryngeal Carcinoma

09:10 **Karin de Visser**, Amsterdam, The Netherlands
Functional Assessment of the Inflammatory Tumor Microenvironment during Spontaneous Breast Cancer Progression and Metastasis Formation

09:22 **Moshe Elkabets**, Beer-Sheva, Israel
A Novel Tumor-Derived Inflammatory Myeloid Suppressor Cell Subset Inhibits Anti-Tumor Activity of T and NK Cells

09:34 **Isabelle Cremer**, Paris, France
Triggering of TLR7 and 8 on Human Lung Cancer Induces Cell Survival and Chemoresistance

09:46 **Guillaume Sarrabayrouse**, Nantes, France
Tumor-Specific CD4CD8ab T Cells Infiltrating Human Colorectal Tumors

09:58 **Vladislava O. Melnikova**, Houston, TX, USA
The Signaling Pathway PAR1-PAFR-MUC18 Links Inflammation with Melanoma Metastasis

10:10 **Samuel Lundin**, Gothenburg, Sweden
Extensive Upregulation of Proinflammatory Cytokines in the Gastric Mucosa of Stomach Cancer Patients

10:22 **Pi-Ling Chang**, Birmingham, AL, USA
Host Osteopontin Maintains an Acute Inflammatory Response in the Tumor Microenvironment to Suppress Extrinsic Cancer Cell Progression

10:34 **Esther N. Arwert**, Cambridge, UK
Tumour Formation Initiated by Nondividing Epidermal Cells via an Inflammatory Infiltrate

10:46 **Aline M. Betancourt**, New Orleans, LA, USA
The Human Pro-inflammatory Antimicrobial Peptide LL-37 Supports Ovarian Tumor Progression by the Recruitment of Multipotent Mesenchymal Stromal Cells and other Immunosuppressive Cells

10:58-11:30 Coffee

SYMPOSIUM 10: The Role of the Tumor Microenvironment in Tumor Progression II

Auditorium Richelieu

Chairperson: Ruth J. Muschel, Oxford, UK

11:30 **Dario Marchetti**, Houston, TX, USA

Heparanase: A Critical Determinant of Breast Cancer Metastasis to Brain

11:50 **Adriana Haimovitz-Friedman**, New York, NY, USA

A Ceramide Rheostat Balances Angiogenesis and Anti-angiogenesis

12:10 **Yoav Leiser**, Haifa, Israel

Heparanase Role in Oral Cancer Prognosis and Cellular Differentiation

12:22 **Mariagrazia Uguccioni**, Bellinzona, Switzerland

Perivascular Expression of CXCL9 and CXCL12 in Primary Central Nervous System Lymphoma: Chemokine Synergism Controls Cell Infiltration and Positioning

12:34 **Sivan Izraely**, Tel-Aviv, Israel

A Molecular Signature of Melanoma Brain Metastasis: Development and Characterization of a Novel Human Melanoma Mouse Model

12:46 **Suzanne McFarlane**, Belfast, Northern Ireland, UK

Relevance of CD44 to the Poor Prognosis of Basal Breast Cancers

12:58 **Lukas Hawinkels**, Leiden, The Netherlands

MMP-14 (MT1-MMP) Mediated Endoglin Shedding Regulates Tumour Angiogenesis

13:10 **Shelly Maman**, Tel-Aviv, Israel

Neuroblastoma Macro- and Micro-Metastasis: Interactions with the Microenvironment

13:22 **Yong Li**, Sydney, NSW, Australia

Co-expression of Invasive Markers (uPA, CD44) and Multiple Drug Resistance Proteins (MDR1, MRP2) is Correlated with Epithelial Ovarian Cancer Progression

13:34-14:30 Lunch

SYMPOSIUM 11: Therapeutic Targeting of the Tumor Microenvironment – Pre-clinical and Clinical Studies I
Room Lulli

Chairperson: Daniel Zagury, Paris, France

11:30 **Daniel Zagury**, Paris, France

Kinoid Vaccine, a New Immunotherapeutic Generation to Target Tumor Released Ectopic Cytokines

11:50 **Albrecht Reichle**, Regensburg, Germany

Comparative Uncovering of Tumors' Systems Biology by Modular Targeting of Tumor-Associated Inflammation

12:10 **Raymond Frade**, Evry, France

Tumor Micoenvironment Is Controlled by Procathepsin L Secretion: A New Gene Therapy to Inhibit Progression of Tumors Induced by Human Melanoma Cells

12:22 **Michael Andreeff**, Houston, TX, USA

Disruption of Leukemia/Stroma Cell Interactions by CXCR4 Antagonists Enhances Chemotherapy and Signal Transduction-Induced Apoptosis in Leukemias

12:34 **Shijie Cai**, Oxford, UK

Role of Tetrahydrobiopterin in Regulation of Tumor Angiogenesis Mediated by PI3K/Akt, eNOS and Ras Pathway

12:46 **Katherine Cook**, Winston-Salem, NC, USA

Angiotensin-(1-7) Inhibits Breast Tumor Growth in an Orthotopic Murine Model by Reducing Angiogenesis and Fibrosis

12:58 **Patricia E. Gallagher**, Winston-Salem, NC, USA

Angiotensin-(1-7) Inhibits VEGF and PlGF to Reduce Tumor Angiogenesis in Triple Negative Breast Cancer in an Orthotopic Mouse Model

13:10 **Charlotta Dabrosin**, Linköping, Sweden

Tamoxifen and the Lignan Enterolactone Increase *in vivo* Levels of IL-1Ra and Decrease Tumor Angiogenesis in Estrogen Dependent Breast Cancer Explants

13:22-14:30 Lunch

***SYMPOSIUM 12: Proteomics, Imaging & Biomarkers of the Tumor
Microenvironment***
Room Colbert

Chairperson: Yona Keisari, Tel Aviv, Israel

11:30 **Francesca Botta**, Lausanne, Switzerland
Non Invasive Molecular Monitoring of Tumor Angiogenesis

11:42 **John D. Lewis**, London, ON, Canada
Intravital Imaging of Human Prostate Cancer Using Bombesin-
Targeted Viral Nanoparticles

11:54 **Christopher Gerner**, Vienna, Austria
Novel Multiple Myeloma Biomarker Candidates Identified in the
Secretome of Bone Marrow Fibroblasts and Endothelial Cells

12:06 **Thomas Mohr**, Vienna, Austria
How do Endothelial Cells Shape the Tissue Microenvironment? A
Proteomic Approach.

12:18 **Astrid Enkelmann**, Jena, Germany
Changes in Proteomic Expression Patterns of Tumour Associated
Fibroblasts (TAF) by Interaction with Urinary Bladder Carcinoma
Cells

12:30 **Arie Admon**, Haifa, Israel
The Serum Soluble HLA Class I Peptidome as a Source for
Cancer Biomarkers and a Possible Modulator of the Tumor
Microenvironment

***SYMPOSIUM 13: Molecular Pathways in the Tumor
Microenvironment II***
Room Colbert

Chairperson: Ben-Zion Katz, Tel-Aviv, Israel

12:42 **Nitza Lahat**, Haifa, Israel

Hypoxia and PMA-Induced Maturation Inhibit TIMP-2 Secretion
from Human Monocytes and Enhance Angiogenesis

12:54 **Kasper Rouschop**, Maastricht, The Netherlands

The Unfolded Protein Response Protects Cells during Hypoxia
through Preservation of Autophagic Capacity

13:06 **Nic Savaskan**, Berlin, Germany

Molecular and Cellular Characterization of the Brain Tumor
Microenvironment with Focus on Peritumoral Brain Swelling

13:18 **David Waugh**, Belfast, Northern Ireland, UK

Importance of Differential Stress-Induced CXC-chemokine
Expression and Signaling in Regulating Cancer and Stromal Cell
Function in PTEN-deficient Prostate Tumours

13:30-14:30 Lunch

PLENARY SESSION 5: Inflammation & Protective Immunity in the Tumor Microenvironment II
Auditorium Richelieu

Chairperson: Menashe Bar-Eli, Houston, TX, USA

14:30 **Alberto Mantovani**, Milan, Italy
Cancer-Related Inflammation: The Seventh Hallmark of Cancer

14:55 **Frances R. Balkwill**, London, UK
Targeting Cancer-Related Inflammation

15:20 **Lisa M. Coussens**, San Francisco, CA, USA
Inflammation and Cancer: Insights into Organ-specific Immune Regulation of Cancer Development

15:45 **Jerome Galon**, Paris, France
Intratumoral Immune Reaction: A Novel Paradigm for Cancer

16:10 **Adit Ben-Baruch**, Tel Aviv, Israel
Inflammatory Chemokines in Malignancy: Regulation by Microenvironmental and Intrinsic Factors

16:35-17:00 Coffee

PLENARY SESSION 6: The Role of the Microenvironment in Tumor Progression

Auditorium Richelieu

Chairperson: Suresh Mohla, Bethesda, MD, USA

17:00 **Kornelia Polyak**, Boston, MA, USA
Regulation of In Situ to Invasive Breast Carcinoma Transition

17:25 **Adriana Albini**, Milano, Italy ***EACR sponsored speaker***
Role of the Tumour Microenvironment in Angiogenesis and in Prediction of Breast Cancer Metastasis

17:50 **Yosef Yarden**, Rehovot, Israel
Molecular Basis of Growth Factor-Induced Mammary Cell Migration: Implications to HER2-positive Breast Cancer

18:15 **David Lyden**, New York, NY, USA
The Metastatic Niche: Adapting the Foreign Soil

SATURDAY, OCTOBER 24, 2009

***SYMPOSIUM 14: Interactions of Tumor Cells with
Microenvironmental Cells III***

Auditorium Richelieu

Chairperson: Fernando Vidal-Vanaclocha, Leioa, Bizkaia, Spain

08:30 **Maty Tzukerman**, Haifa, Israel

Microenvironment-Dependent Support of Self Renewing Ovarian
Cancer Stem Cells

08:50 **Fernando Vidal-Vanaclocha**, Leioa, Bizkaia, Spain

Hepatomimetic Properties of Colon Cancer Cells:
Microenvironmental Regulation and Clinical Implications

09:10 **Marcelo Ehrlich**, Tel Aviv, Israel

Disabled-2 a Potential Integrator of TGF- β Signaling and Trafficking
in Epithelial to Mesenchymal Transition and Dedifferentiated Tumor
Cell Lines

09:30 **Andrei Bakin**, Buffalo, NY, USA

Integrins in EMT and Tumor Microenvironment

09:50 **Ruth J. Muschel**, Oxford, UK

Vascular Co-option in Brain Metastasis

10:10-10:30 Coffee

SYMPOSIUM 14 (cont'd)

10:30 **Lubor Borsig**, Zürich, Switzerland

Cell-cell Interactions Defines the Metastatic Microenvironment of Tumor
Cells

10:42 **Roy-Akira Saito**, Stockholm, Sweden

FoxF1 regulates tumor-promoting properties of cancer-associated
fibroblasts in lung cancer

10:54 **Li Yang**, Bethesda, MD, USA

Effect and Regulation of Gr-1+CD11b+ Immature Myeloid Cells in
Tumor Microenvironment and Beyond

11:06 **Jillian L. Werbeck**, Columbus, OH, USA

Ets2 in Lung Fibroblasts Promotes the Growth of Metastatic Breast
Cancer Cells

11:18 **Qing Yi**, Houston, TX, USA

C-reactive Protein Protects Myeloma Cells from Apoptosis via
Activating ITAM-containing Fc γ RII

11:30 **Ezio Laconi**, Cagliari, Italy

The Microenvironment of Hepatic Nodules is Necessary for Tumor
Progression

SYMPOSIUM 15: The Role of Microenvironmental Molecules in Tumor Progression

Room Lulli

Symposium sponsored by Roche, France

Chairperson: Dave Hoon, Santa Monica, CA, USA

08:30 **Elena Voronov**, Beer Sheva, Israel
The Differential Role of Microenvironmental IL-1 α And IL-1 β In Tumor Angiogenesis

08:50 **Paola Mazzei**, Rome, Italy
EGFR Signaling Mediates Metabolism-Dependent Epigenetic Control in a Model of Human Breast Cancer. CPT1A is a Novel Partner of Histone Deacetylase 1 in Cell Death Escaping Mechanisms

09:02 **Masataka Majima**, Sagamihara, Kanagawa, Japan
Recruitment of Mast Cells to the Tumor Microenvironment via a High Affinity Leukotriene B₄ Receptor Signaling Enhances Tumor-Associated Angiogenesis and Tumor Growth

09:14 **Antonia Patsialou**, Bronx, NY, USA
Invasion of Human Breast Cancer Cells In Vivo Requires both Paracrine and Autocrine Loops Involving the Colony Stimulating Factor-1 Receptor

09:26 **Abdel-Majid Khatib**, Paris, France
Regulation of Tumorigenesis, Angiogenesis and Metastasis by the Proprotein Convertases (PCs)

09:38 **Camille Laurent**, Toulouse, France
Characterization of the Immunological Microenvironment in Follicular Lymphoma

10:02-10:30 Coffee

SYMPOSIUM 15 (Cont'd)

10:30 **Steven Mason**, New York, NY, USA
The Proteolytic Cascade in Metastasis

10:42 **Laura Fung**, London, ON, Canada
EGFL7 Protein Expression Effects Tumor Progression by Influencing the Rate of Angiogenesis

10:54 **Laurie McCauley**, Ann Arbor, MI, USA
A Novel Role for Megakaryocytes in the Bone Marrow Microenvironment of Prostate Cancer Metastasis

11:06 **Miranda Ween**, Adelaide, South Australia, Australia
Transforming Growth Factor Induced Protein TGF β I Promotes Ovarian Cancer Cell Motility and Adhesion to Peritoneal Cells

11:18 **Grégoire Mignot**, Dijon, France
Membrane Hsp72 from Tumor-Derived Exosomes Mediates p-Stat3
Dependent Function of Myeloid Suppressor Cells through the TLR2-
MyD88 Pathway

11:30 **Cornelia Trimble**, Baltimore, MD, USA
Immune Cell Homing in Preinvasive HPV Disease

***SYMPOSIUM 16: Therapeutic Targeting of Tumor-
Microenvironment Interactions – Pre-clinical and Clinical Studies II***
Room Colbert

Chairperson: W. Gillies McKenna, Oxford, UK

08:30 **W. Gillies McKenna**, Oxford, UK
Tumor Conditioning: Modulation of the Tumour Microenvironment
by Signalling Inhibition as a Strategy for Improving Cancer Therapy

08:50 **Yoshiaki Kubota**, Tokyo, Japan
M-CSF Inhibition Selectively Targets Pathological Angiogenesis and
Lymphangiogenesis

09:12 **Sheng-Bin Peng**, Indianapolis, IN, USA
Pre-Clinical Evaluation of a Potent and Selective CXCR4 Peptide
Antagonist Currently in Phase 1 Trials for Cancer

09:24 **Tanaya Shree**, New York, NY, USA
Inhibition of Cathepsin Proteases Synergizes with Maximum-Dose
and Low-Dose Chemotherapy to Block Malignant Progression in a
Mouse Model of Metastatic Breast Cancer

09:36 **Carlton Donald**, Atlanta, GA, USA
The Effect of the PAX2 Oncogene on the Tumor Microenvironment,
Tumor Progression and its Potential as a Therapeutic Target for
Prostate Cancer

09:48 **Jian Wang**, Bergen, Norway
Targeting the Tumor Stroma - a Novel Therapeutic Strategy Based on
Separate Analysis of the Malignant and Stromal Cell Compartments
in Brain Tumors

10:00-10:30 Coffee

SYMPOSIUM 16 (Cont'd)

10:30 **Stephanie McKeown**, Coleraine, UK
Does Hypoxia Play a Role in the Failure of Androgen Ablation Therapy for Prostate Cancer?

10:42 **Mark Pines**, Bet Dagan, Israel
Inhibition of Fibroblast-to-myofibroblast Transition as a Modality for Cancer Treatment: Effect of Halofuginone

10:54 **Michael P. Lisanti**, Philadelphia, PA, USA
Stromal Caveolin-1 Predicts Recurrence and Clinical Outcome in DCIS and Human Breast Cancers

11:06 **Silke Haubeiss**, Stuttgart, Germany
Targeting Cancer-Associated Fibroblasts (CAFs) with Small Molecule Inhibitors to Enhance Sensitivity of Tumors to Conventional Chemotherapy

11:18 **Lucy Allen**, Amersham, Buckinghamshire, UK
Monitoring Tumour Response to the Anti-angiogenic Therapy Sunitinib with an F18-labeled Angiogenesis Imaging Agent

CLOSING PLENARY SESSION

Auditorium Richelieu

Chairperson: Isaac P. Witz, Tel Aviv, Israel

12:00 Poster Session – presentation of best posters and awarding of prizes

13:00 Jan-Willem van de Loo, Brussels, Belgium
European Commission
Funding for Translational Research on the Tumour Microenvironment through EU Programmes

13:15 Concluding remarks

13:30 Adjourn