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 TGFβ 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 Gα13-DVL Axis to Stabilize b-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 βII (PKCβII) 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-kB 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 TNFa Expression Augments the Formation of Tumor-Promoting Myeloid Subtype of Vascular Leukocytes Through the Upregulation of Integrin α5 and Enhanced Binding to Fibronectin

10:58-11:30 Coffee
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
Antimetastasic Action of Parp Inhibition in Melanoma trough 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.

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: Adenosineproducing 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. Ioachim, 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 Aqielan, Jerusalem, Israel
WWOX Expression Suppresses Tumorigenecity 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
Galectin-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 Microenvironment 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 PIGF 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

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 FcγRII

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-1α And IL-1β In Tumor Angiogenesis

08:50 Paola Mazzarelli, 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 TGFβ1 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 MyeloidSuppressor 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**