Presented by the Department of Surgery, University of California, San Francisco

2ND International Symposium on Cancer Metastasis and the Lymphovascular System:

BASIS FOR RATIONAL THERAPY

MAY 2-5, 2007

HILTON FINANCIAL DISTRICT HOTEL
SAN FRANCISCO, CA

SYMPOSIUM CHAIRMAN
Stanley P.L. Leong, MD
Professor of Surgery
University of California, San Francisco
USA

Call For Abstracts
Deadline: February 1, 2007
Please visit our website at www.cme.ucsf.edu

Supported by NATIONAL CANCER INSTITUTE
In human solid cancer, the nodal status is the most important prognostic indicator for patients’ outcome. Recent developments in the sentinel lymph node (SLN) concept and technology have resulted in the application of such a procedure to define the first draining node or SLN to which the cancer will metastasize. The upcoming symposium will delineate the cancer microenvironment and proliferation that drives the cancer cells towards metastasis. The process of lymphangiogenesis and hemangiogenesis induced by cancer cells will be addressed. Evidence for cancer spread through the lymphatic system initially (incubator hypothesis) or simultaneously through the lymphatic and vascular system (marker hypothesis) will be scrutinized and immunity to cancer will be discussed. The role of stem cells as the primary cell population to metastasize will be examined.

Additional topics include:
- Advances in molecular imaging of cancer;
- The use of nanoparticles for cancer detection;
- Molecular targeting against molecules involved in proliferation, signaling pathways and apoptosis;
- Genomic signatures of cancer; and
- Advances in the treatment of solid cancer.

This timely symposium will bring together the basic scientists, radiologists, surgeons and other clinicians to address the central role of the lymphovascular system in the spread of cancer. The symposium may result in cross fertilization among these disciplines. Such cross fertilization should enhance the translation of basic science into clinical application and bring clinical problems to challenge the basic scientists. Thus, the symposium is able to link the bench to the bedside and vice versa.

**TARGET AUDIENCE**
Basic scientists and clinicians interested in recent advances in cancer metastasis through the lymphovascular system and molecular therapeutics against cancer metastasis are encouraged to attend.
EDUCATIONAL OBJECTIVES

After participating in this symposium, participants should be able to:

• Analyze the mechanisms of tumor proliferation in the tumor microenvironment;
• Describe the mechanisms of metastasis through the lymphovascular system;
• Delineate the steps in lymphangiogenesis and hemangiogenesis and the implications for tumor angiogenesis and anti-angiogenesis;
• Recognize the role of stem cells in cancer metastasis;
• Appreciate the potential use of nanoparticles in molecular imaging;
• Discuss the incubator and marker hypothesis;
• Correlate the tumor burden in SLNs and clinical outcome;
• Comprehend immune responses of draining lymph nodes against cancer;
• Explain the rationale of adopting molecular therapeutics against growth factor receptors, apoptosis factors, signaling pathways and angiogenesis;
• Understand the genomic signatures of cancer for correlation with clinical outcome; and
• Describe recent advances in the treatment of solid cancer.

CALL FOR ABSTRACTS

Deadline for Submission of Abstracts: February 1, 2007. Please visit the conference web page at www.cme.ucsf.edu for instructions on abstract submission. Submitting an abstract does not constitute registration for the conference. Chosen abstracts will be presented in a poster session. Two awards will be presented to the resident/fellow abstracts with 1st prize of $500 and 2nd prize of $250. In addition, these two abstracts and 3 other selected abstracts will be presented orally in Session XIV.

ACCREDITATION
The University of California, San Francisco School of Medicine (UCSF) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

UCSF designates this educational activity for a maximum of 25.5 AMA PRA Category 1 Credit(s). Physician should only claim credit commensurate with the extent of their participation in the activity.

This CME activity meets the requirement under California Assembly Bill 1195, continuing education and cultural and linguistic competency.
**THURSDAY, MAY 3, 2007**

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<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter/Author</th>
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<tr>
<td>7:00 am</td>
<td>Registration and Continental Breakfast</td>
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<tr>
<td>7:45</td>
<td>Welcome and Introduction</td>
<td>Stanley Leong</td>
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<td>Distinguished Lecture - Introduced by Mary Hendrix</td>
<td>John Niederhuber, Acting Director, NCI</td>
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<td>Molecular Events and Clinical Correlations in Tumor and Other Lymphangiogenesis</td>
<td>David Jackson</td>
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<td>Tumor Lymphangiogenesis: What We Know and Don’t Know</td>
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<td>Targeting Lymphovascular Endothelium with Anti-VEGFR-3 Monoclonal Antibodies</td>
<td>Bronislaw Pytowski</td>
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<td>Radioimmunotherapy for Cancer</td>
<td>Andrew Raubitschek</td>
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<td>Early Development of Micrometastasis in Tumor-Draining Regional Lymph Nodes: Can They Be Predicted?</td>
<td>Dave Hoon</td>
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<td>Micrometastasis in Patients with Solid Epithelial Tumors</td>
<td>Klaus Pantel</td>
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<td>Imaging Tumor Metastasis and Dormancy in Experimental Models</td>
<td>Ann Chambers</td>
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<td>6:10</td>
<td>Chemokine Receptors and Organ-Specific Metastasis</td>
<td>Bernhard Homey</td>
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<td>6:30-9:00</td>
<td>Poster Presentations and Wine and Cheese Reception</td>
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FRIDAY, MAY 4, 2007

7:00-7:50 am Meet the Professor Breakfast
1. Animal Models to Study Lymphatic and Vascular Metastasis
   David Nathanson and Ann Chambers
2. Concepts and Tools of Imaging Cancer
   Farhad Daghighian and Rong Zheng
3. NCI Grant Application Workshop
   Heng Xie

SESSION V: MOLECULAR MECHANISMS OF METASTASIS (CONTINUED)
SESSION CHAIR: DAVE HOON
8:00 Tumor and Lymph Node Lymphangiogenesis: Impact on Metastasis
   Michael Detmar
8:15 Role of the Tumor Microenvironment on Tumor Cell Survival and Metastasis
   David Cheresh
8:30 Treg, Chemokines and other Small Molecules: Role in Metastasis and its Prevention
   Marty Mihm
8:45 Breast Cancer Metastasis to the Brain
   Patricia Steeg
9:00 Discussion

SESSION VI: MOLECULAR TARGETED THERAPY AGAINST GROWTH FACTOR RECEPTORS, SIGNALING PATHWAYS AND ANGIOGENESIS AS THERAPEUTIC TARGETS
SESSION CHAIRS: GEORGE YANCOPoulos & HAROLD WANEBO
9:15 Molecular Targeting of Lymphangiogenesis and Tumor Metastasis
   Kari Alitalo
9:30 Beyond VEGF: Angiopoietins and Ephrins as Therapeutic Targets
   Hellmut Augustin
9:45 VEGF Trap in Trials Today, and VelociGene with VelocImmune for the Angiogenesis Targets of Tomorrow
   George Yancopoulos
10:00 Coffee Break, Poster Viewing and Visiting Exhibitors
10:20 Targeting EGFR/Angiogenesis
   Athanassios Argiris
10:35 Targeting Signaling Pathways in Cancer Therapy
   Harold Wanebo
10:50 Discussion

SESSION VII: IMPACT OF NODAL STATUS AND TUMOR BURDEN IN SENTINEL NODES ON THE CLINICAL OUTCOME
SESSION CHAIRS: STANLEY LEONG
12:05 pm Micrometastasis of Melanoma to SLNs
   Markus Zuber
12:20 Micrometastasis of Breast Cancer to SLNs
   Jochen Werner
12:35 Micrometastasis of Head and Neck Cancer to SLNs
   Ramon Cabanas
12:50 Micrometastasis of Genitourinary Cancer to SLNs
   Sukamal Saha
1:05 Micrometastasis of Colorectal Cancer to SLNs
   Yuko Kitagawa
1:20 Micrometastasis of Upper GI Cancer to SLNs
   Frederick Greene
1:35 Application of Cancer Biology in Cancer Staging and Predicting Clinical Outcome
   Donald Morton
1:50 Discussion

SESSION VIII: IMMUNE RESPONSES IN THE DRAINING LYMPH NODES AGAINST CANCER: IMPLICATION FOR IMMUNOTHERAPY
SESSION CHAIR: SUYU SHU
3:10 Role of Lymph Nodes in Immunotherapy of Malignant Tumors
   Suyu Shu
3:25 Tumor-Related Immune Modulation of the Regional Lymph Nodes
   Alistair Cochran
3:40 Reversal of Immune Suppression in Sentinel Lymph Nodes
   Richard Essner
3:55 Immunomodulation of the Sentinel Node and Systemic Immunity in Melanoma
   Donald Morton
4:10 Vaccine-Primed Lymph Node Cells in the Adoptive Immunotherapy of Cancer
   Fred Chang
4:25 Laboratory Monitoring of Immune Functions in Immunotherapy Trials
   Holden Maecker
4:40 Strategies of Developing Cancer Immunotherapies
   Karin Jooss
4:55 Discussion

SESSION IX: THE ROLE OF STEM CELLS IN CANCER METASTASIS
SESSION CHAIR: RUBY GHADIALLY
5:10 Stem Cells in Metastatic Melanoma
   Ruby Ghadially
5:25 Implications of Cancer Stem Cells for Metastasis
   Michael Clarke
5:40 Prostate Cancer Stem Cells: Identification, Characterization, Regulation of Self Renewal, and Involvement in Metastasis
   Dean Tang
5:55 Discussion
6:15 Adjourn
SATURDAY, MAY 5, 2007

7:00-7:50 am  
Meet the Professor Breakfast

1. Significance of Circulating Tumor Cells in Breast Cancer and Other Solid Tumors – Research and Clinical Applications
   Hope Rugo, John Park and Catherine Panabieres
   Dominick Sincicripi and Maureen Cronin
   Robert Ferris, Bernhard Homey and Timothy Padera

2. Molecular Techniques to Study Gene Profiles of Cancer
   Catherine Panabieres

3. Chemokines, Lymphatics and Metastasis
   Catherine Panabieres

SESSION X: GENOMIC SIGNATURES OF CANCER: BASIS FOR SELECTIVE ADJUVANT THERAPY
SESSION CHAIR: FREDERICK BAEHNER

8:00 Gene Signatures and Profiling in Cancer
   Debjani Dutta

8:15 Molecular Subgrouping of Breast Cancer Patients
   Frederick Baehner

8:30 Molecular Subgrouping of Colon Cancer Patients
   Wayne Cowens

8:45 Validating Gene Expression Signatures in Melanoma
   Mohammed Kashani-Sabet

9:00 Discussion

SESSION XI: PROMISING NEW TREATMENTS FOR SOLID TUMORS
SESSION CHAIR: HOPE RUGO

9:15 Targeted Therapy for Breast Cancer
   Hope Rugo

9:30 Advances in the Treatment of Colorectal Cancer: Targeting Receptors and Sites of Disease
   Alan Venook

9:45 Advances in the Treatment of Genitourinary Cancers
   Charles Ryan

10:00 Advances in the Treatment of Lung Cancer
   Sarita Dubey

10:15 Incidence, Diagnosis and Treatment of Lung Cancer in China
   Jie He

10:30 Discussion

SESSION XII: RECENT ADVANCES IN THE TREATMENT OF MELANOMA
SESSION CHAIR: AXEL HAUSCHILD

11:15 Genomic Characterization of Malignant Melanoma
   Boris Bastian

11:30 Pegylated Interferons in the Adjuvant Treatment of Melanoma
   Dirk Schadendorf

11:45 Sorafenib, a Multi-kinase Inhibitor, in Metastatic Melanoma
   Axel Hauschild

12:00 pm Breaking Immune Tolerance: a Step Forward in Melanoma Treatment
   Antonio Ribas

12:15 Cutaneous Metastases: New Treatment Options
   Claus Garbe

12:30 Neoadjuvant Approaches in Melanoma
   John Kirkwood

12:45 Chemotherapeutic and Biochemotherapy: Old Fashioned or Still a Standard of Care?
   Sanjiv Agarwala

1:00 Discussion

12:50 Distinguished Lecture - Introduced by Stanley Leong
   Proliferation and Cancer Metastasis from the Clinical Point of View
   (box lunch included)
   Blake Cady

SESSION XIII: MINISYMPOSIUM GI CANCER AND THE LYMPHATIC SYSTEM: PATTERNS OF MICROMETASTASIS AND LYMPHATIC MAPPING WITH CLINICAL OUTCOME
SESSION MODERATOR: TAKASHI AIKOU

1:55 Esophageal Cancer
   Yuko Kitagawa

2:10 Gastric Cancer
   Yoshikazu Uenosono

2:25 Colon Cancer: Biology and Clinical Implications
   Anton Bilchik

2:40 GI Oncology Perspectives
   Naoto Ueno

2:55 Discussion

3:10 Coffee Break, Poster Viewing Break

SESSION XIV: ORAL PRESENTATIONS
SESSION MODERATORS: ANN DVORAK and HAROLD DVORAK

3:40 Oral Presentations from Selected Poster Presentations
   5 best overall posters including the 2 awards to young investigators
   Mary Hendrix and Maryls Witte

4:20 Presentations of Awards to Young Investigator Poster Winners

SESSION XV: PANEL DISCUSSION WITH THE CHAIRS

4:30 Panel Discussion with the Chairs

SESSION XVI: FUTURE PERSPECTIVES

5:00 What We Have to Address for the Unknown in the Future
   Stanley Leong and Maryls Witte

SESSION XVII: CLOSING SESSION

5:20 Closing Statement of the Symposium
   Stanley Leong

5:30 Adjourn
2nd International Symposium on Cancer Metastasis and the Lymphovascular System
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Hilton Financial District Hotel, San Francisco

Mail to: UCSF Office of CME
P.O. Box 45368
San Francisco, CA 94145-0368
Fax: (415) 502-1795
Registration Information: (415) 476-5808
Course Information: (415) 476-4251

- Dr.  - Mr.  - Mrs.  - Ms.

Last Name  First  M.I.
Degree  Specialty
Address

City  State  Zip
Daytime Phone  Fax
Email

Would you like to be on our priority fax list?  Yes  No
Would you like to be on our priority email list?  Yes  No

Date of birth to be used as OCME registrant number
Month  Day  Year

Please indicate if you have any special needs:

Registration Fees:  
Physician  $575  $675  $725
Nurses/Allied Health  $250  $300  $350

Physicians in training must include a letter of verification from training program with registration to qualify for reduced tuition fee.

Make checks payable to UC Regents

Name on Card (please print)

Expiration date

Please charge my credit card
- Visa  - MasterCard  - Amex for $___________

Authorized Signature

Refund Policy: Cancellations received in writing before the first day of the course will be refunded, less a $75 administrative fee. No refunds will be made on cancellations received after that date.

www.cme.ucsf.edu

SESSION CHAIRS
Takahshi Aikou
University of Kagoshima Hospital, Japan
Frederick Baehner
University of California, San Francisco, USA
Ann Dvorak
Harvard University, USA
Jeffrey Gershenwald
MD Anderson Cancer Center, USA
Ruby Ghadially
University of California, San Francisco, USA
Axel Hauschild
University of Kiel, Germany
Mary Hendrix
Children’s Memorial Hospital, USA
David Hoon
John Wayne Cancer Institute, USA
Stanley Leong
University of California, San Francisco, USA
Hope Rugo
University of California, San Francisco, USA
Sujoy Shukla
Cleveland Clinic, USA
David Vera
University of California, San Diego, USA
Harold Wanebo
Roger Williams Medical Center, USA
Marlys Wite
University of Arizona, USA
George Yancopoulos
Regeneron Pharmaceuticals, Inc., USA

INVITED FACULTY (CONT.)
Kari Aitalo
University of Helsinki, Finland
Athanasios Argris
University of Pittsburgh, USA
Helmut Augustin
German Cancer Research Center, Germany
Boris Bastian
University of California, San Francisco, USA
Anton Bilchik
John Wayne Cancer Institute, USA
Mina Bissell
Stanford University, USA
Ramon Cabanas
Long Island College Hospital, USA
Blake Cady
Brown University, USA
Ann Chambers
London Health Sciences Centre, Canada
Fred Chang
University of Michigan, USA
David Cherenkov
University of California, USA
Michael Clarke
Stanford University, USA
Alistair Cochran
University of California, Los Angeles, USA
Lisa Coussens
University of California, USA
Wayne Cowan
Genomic Health, USA
Maureen Cronin
Genomic Health, USA
Farhad Daghian
IntraMedical Imaging, USA
Michael Detmar
Institute of Pharmaceutical Sciences, Zurich, Switzerland
Sarita Dubey
University of California, San Francisco, USA
Debiami Dutta
Genomic Health, USA
Richard Essner
John Wayne Cancer Institute, USA
Napoleone Ferrara
Genetech, USA
Robert Ferris
University of Pittsburgh Medical Center, USA
Isaiah Fidler
MD Anderson Cancer Center, USA
Gale Garber
University of Tuebingen, Germany
Edwin Glass
V.A. Greater Los Angeles Healthcare System, USA
Frederick Greene
Carolina Healthcare System, USA
Jie He
Chinese Academy of Medical Sciences (CAMS) Cancer Hospital, China
Peter Hirnk
Central Academic Clinic, Bielefeld, Germany
Bernhard Homy
University of Dusseldorf, Germany
David Jackson
University of Oxford, UK
Karim Jooss
Cell Genesys, USA
Mohammed Kashani-Sabet
University of California, San Francisco, USA
John Kirkwood
University of Pittsburgh, USA
Yuko Kitagawa
Keio University, Japan

INVITED FACULTY (CONT.)
Holden Maeccker
BD Biosciences, USA
Robert Mattrey
University of California, San Diego, USA
Martin Mihm
Harvard University, USA
Donald Morton
John Wayne Cancer Center, USA
David Nathanson
Henry Ford Hospital, USA
John Niederhuber
National Institutes of Health, USA
Timothy Padera
Harvard University, USA
Catherine Panabieres
Hospital Lapeyronie Montpellier, France
Klaus Pantel
University of Hamburg, Germany
Jie He
Chinese Academy of Medical Sciences (CAMS) Cancer Hospital, China

INVITED FACULTY (CONT.)
Dirk Schadendorf
German Cancer Research Center, Germany
Helko Schoder
Memorial Sloan-Kettering Cancer Center, USA
Richard Seffor
Children’s Memorial Hospital, USA
Dominick Sinicropi
Genomic Health, USA
Jonathan Sleeman
University of Heidelberg, Germany
Patricia Steeg
National Institutes of Health, USA
Dean Tang
MD Anderson Cancer Center, USA
Nao Ouno
MD Anderson Cancer Center
Yoshikazu Ueno
University of Kagoshima Hospital, Japan
Joerg Wilting
University of Marburg, Germany
Joerg Wilting
University of Goettingen, Germany
Heng Xie
National Institutes of Health, USA
Rong Zheng
Chinese Academy of Medical Sciences (CAMS) Cancer Hospital, China
Markus Zuber
University Hospital Basel, Switzerland
GENERAL INFORMATION

HOW TO ENROLL

Early Registration (by 2/1/07):
- $575 Physicians
- $250 Nurses/Allied Health Professionals/Residents/Fellows

Regular Fee (2/2/07 - 4/14/07):
- $375 Physicians
- $300 Nurses/Allied Health Professionals/Residents/Fellows

Late Registration (after 4/15/07):
- $725 Physicians
- $350 Nurses/Allied Health Professionals/Residents/Fellows

Registration fee includes:
- Course syllabus
- Continental breakfasts, breaks and lunch each day
- Welcome Reception

* Additional meals and accommodations are not included.

Payment may be made by Visa, MasterCard AmEx or check.

REGISTER VIA:

Online: www.cme.ucsf.edu
Mail: Complete course registration form and send with payment to:
UCSF Office of CME
P.O. Box 45368
San Francisco, CA 94145-0368
Fax: Fax completed registration form to: (415) 502-1795 (be sure to include your credit card number)

To register by phone or to inquire about registration status, please call UCSF’s CME Registration Office at (415) 476-5808.

ON-SITE REGISTRATION

Time: 5:00 - 6:00 pm
Date: Wednesday, May 2, 2007
Place: Hilton Financial District Hotel
750 Kearny Street
San Francisco, CA 94108

REFUND POLICY

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CONFERENCE LOCATION

The Hilton San Francisco Financial District is just steps from San Francisco’s famous North Beach district, Chinatown, and Fisherman’s Wharf. A block of guestrooms has been reserved at the special UCSF discounted conference rate of $169 per night, single or double occupancy. The contracted cut-off date is April 2, 2007, or until the group room block is filled, whichever comes first. After this date, rooms will be provided on a space-available basis only. If you prefer to phone in your reservation, please identify yourself as a member of this conference to receive the special rate.

To make hotel reservations on-line, go to http://www.sanfranciscohiltonhotel.com, use the booking code: UCSFIN. If you prefer to telephone in your reservation, call 415-433-6600 or 800-HILTONS, and identify yourself as a member of this UCSF conference to receive the special rate.

RENTAL CAR

Hertz is offering special rates for participants of this conference; simply call 800/654-2240, or go online to www.hertz.com and refer to identification number CV# 03BW0105, or call your travel agent. Advance reservations are recommended.

AIR TRANSPORTATION

Special arrangements have been made with Montgomery Travel. Simply call 800-391-2287 or complete the form on the UCSF web page at www.montgomerytravel.com. In addition to offering lower rates than published airfares, ticketed passengers may take advantage of the 24 hour emergency service. There is a $35 service fee.

UCSF has negotiated special fares with American and United Airlines for our course attendees. You may use the following tour codes to book on your own:
American 800-433-1790 code: 15273
United 800-521-4041 code: 510CF

OFFICIAL LANGUAGE

All lectures and discussions will be in English only. There will be no simultaneous interpretation.
2nd International Symposium on Cancer Metastasis and the Lymphovascular System
May 2-5, 2007

Hilton Financial District Hotel, San Francisco, California

Course Outline:

WEDNESDAY, MAY 2, 2007
3:00-6:00 pm Pre-registration

THURSDAY, MAY 3, 2007
7:00 am Registration and Continental Breakfast
7:45 Welcome and Introduction Stanley Leong
8:00 Distinguished Lecture - Introduced by Mary Hendrix
   Diagnosis and Intervention of Cancer: Vision of the National Cancer Institute Acting
   Director, NCI - John Niederhuber

SESSION I: TUMOR MICROENVIRONMENT AND PROLIFERATION
SESSION CHAIR: MARY HENDRIX
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9:15 Targeting Molecular Signals in the Tumor Cell Microenvironment - Richard Seftor
9:30 Convergence of Embryonic and Tumorigenic Pathways:
   Role in Tumor Progression - Mary Hendrix
9:45 Discussion
10:00 Coffee Break, Poster Viewing and Visiting Exhibitors
10:20 Distinguished Lecture - Introduced by Jeffrey Gershenwald
   The Pathogenesis of Organ-Tissue Specific Metastasis Isaiah Fidler

SESSION II: LYMPHANGIOGENESIS AND ANGIOGENESIS
SESSION CHAIR: MARLYS WITTE
11:05 Heme-Lymph Vasculo/Angiogenesis, Angiotumorigenesis, and Tumor Angiogenesis: A
   Lymphatic System Perspective - Marlys Witte
11:20 Model Systems to Study Lymphangiogenesis and Angiogenesis: Lessons for Tumor
   Biology - Joerg Wilting
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   Harold Dvorak
12:50 pm Debate – Therapeutic Advantage of Regional Lymph Node Dissection for Breast
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   Moderator: Stanley Leong
   Pros: Douglas Reintgen – Cons: Blake Cady
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5:10 Discussion

SESSION V: MOLECULAR MECHANISMS OF METASTASIS
SESSION CHAIR: DAVE HOON
5:25 Early Development of Micrometastasis in Tumor-Draining Regional Lymph Nodes: Can They Be Predicted? - Dave Hoon
5:40 Micrometastasis in Patients with Solid Epithelial Tumors - Klaus Pantel
5:55 Imaging Tumor Metastasis and Dormancy in Experimental Models - Ann Chambers
6:10 Chemokine Receptors and Organ-Specific Metastasis - Bernhard Homey
6:30-8:00 Poster Presentations and Wine and Cheese Reception

FRIDAY, MAY 4, 2007
7:00-7:50 am Meet the Professor Breakfast
Choose one:
1. Animal Models to Study Lymphatic and Vascular Metastasis - David Nathanson and Ann Chambers
2. Concepts and Tools of Imaging Cancer - Farhad Daghighian and Rong Zheng
3. NCI Grant Application Workshop - Heng Xie

SESSION V: MOLECULAR MECHANISMS OF METASTASIS (CONTINUED)
SESSION CHAIR: DAVE HOON
8:00 Tumor and Lymph Node Lymphangiogenesis: Impact on Metastasis - Michael Detmar
8:15 Role of the Tumor Microenvironment on Tumor Cell Survival and Metastasis - David Cheresh
8:30 Treg, Chemokines and other Small Molecules: Role in Metastasis and its Prevention - Martin Mihm
8:45 Breast Cancer Metastasis to the Brain - Patricia Steeg
9:00 Discussion

SESSION VI: MOLECULAR TARGETED THERAPY AGAINST GROWTH FACTOR RECEPTORS, SIGNALING PATHWAYS AND ANGIOGENESIS AS THERAPEUTIC TARGETS
SESSION CHAIRS: GEORGE YANCOPoulos & HAROLD WANEBO
9:15 Molecular Targeting of Lymphangiogenesis and Tumor Metastasis - Kari Alitalo
9:30 Beyond VEGF: Angiopoietins and Ephrins as Therapeutic Targets - Helmut Augustin
9:45 VEGF Trap in Trials Today, and VelociGene with VelocImmune for the Angiogenesis Targets of Tomorrow - George Yancopoulos
10:00 Coffee Break, Poster Viewing and Visiting Exhibitors
10:20 Targeting EGFR/Angiogenesis - Athanassios Argiris
10:35 Targeting Signaling Pathways in Cancer Therapy - Harold Wanebo
10:50 Discussion
11:05 Distinguished Lecture - Introduced by Alistair Cochran
Lymphatic Mapping and Sentinel Lymphadenectomy: A Personal Journey - Donald Morton
(box lunch included)
SESSION VII: IMPACT OF NODAL STATUS AND TUMOR BURDEN IN SENTINEL NODES ON THE CLINICAL OUTCOME
SESSION CHAIR: STANLEY LEONG
12:05 pm Micrometastasis of Melanoma to SLNs - Stanley Leong
12:20 Micrometastasis of Breast Cancer to SLNs - Markus Zuber
12:35 Micrometastasis of Head and Neck Cancer to SLNs - Jochen Werner
12:50 Micrometastasis of Genitourinary Cancer to SLNs - Ramon Cabanas
1:05 Micrometastasis of Colorectal Cancer to SLNs - Sukamal Saha
1:20 Micrometastasis of Upper GI Cancer to SLNs - Yuko Kitagawa
1:35 Application of Cancer Biology in Cancer Staging and Predicting Clinical Outcome - Frederick Greene
1:50 Discussion
2:05 Distinguished Lecture - Introduced by Marlys Witte
Vascular Endothelial Growth Factor Family, Cancer Biology and Treatment: From Bench to Bedside - Napoleon Ferrara
2:50 Coffee Break, Poster Viewing and Visiting Exhibitors

SESSION VIII: IMMUNE RESPONSES IN THE DRAINING LYMPH NODES AGAINST CANCER: IMPLICATION FOR IMMUNOTHERAPY
SESSION CHAIR: SUYU SHU
3:10 Role of Lymph Nodes in Immunotherapy of Malignant Tumors - Suyu Shu
3:25 Tumor-Related Immune Modulation of the Regional Lymph Nodes - Alistair Cochran
3:40 Reversal of Immune Suppression in Sentinel Lymph Nodes - Richard Essner
3:55 Immunomodulation of the Sentinel Node and Systemic Immunity in Melanoma - Donald Morton
4:10 Vaccine-Primed Lymph Node Cells in the Adoptive Immunotherapy of Cancer - Fred Chang
4:25 Laboratory Monitoring of Immune Functions in Immunotherapy Trials - Holden Maecker
4:40 Strategies of Developing Cancer Immunotherapies - Karin Jooss
4:55 Discussion

SESSION XII: RECENT ADVANCES IN THE TREATMENT OF MELANOMA
SESSION CHAIR: AXEL HAUSCHILD
5:10 Genomic Characterization of Malignant Melanoma - Boris Bastian
5:25 Pegylated Interferons in the Adjuvant Treatment of Melanoma - Dirk Schadendorf
5:40 Sorafenib, a Multi-kinase Inhibitor, in Metastatic Melanoma - Axel Hauschild
5:55 Breaking Immune Tolerance: a Step Forward in Melanoma Treatment - Antonio Ribas
6:10 Cutaneous Metastases: New Treatment Options - Claus Garbe
6:25 Neoadjuvant Approaches in Melanoma John Kirkwood
6:40 Chemo-/Biochemotherapy: Old Fashioned or Still a Standard of Care? - Sanjiv Agarwala
6:55 Discussion
7:10 Adjourn

SATURDAY, MAY 5, 2007
7:00-7:50 am Meet the Professor Breakfast
Choose one:
1. Significance of Circulating Tumor Cells in Breast Cancer and Other, Solid Tumors – Research and Clinical Applications - Hope Rugo, John Park and Catherine Panabieres
2. Molecular Techniques to Study Gene Profiles of Cancer - Dominick Sinicropi and Maureen Cronin
3. Chemokines, Lymphatics and Metastasis - Robert Ferris, Bernhard Homey and Timothy Padera
SESSION X: GENOMIC SIGNATURES OF CANCER: BASIS FOR SELECTIVE ADJUVANT THERAPY
SESSION CHAIR: FREDERICK BAEHNER
8:00 Gene Signatures and Profiling in Cancer - Debjani Dutta
8:15 Molecular Subgrouping of Breast Cancer Patients - Frederick Baehner
8:30 Molecular Subgrouping of Colon Cancer Patients - Wayne Cowens
8:45 Validating Gene Expression Signatures in Melanoma Mohammed Kashani-Sabet
9:00 Discussion

SESSION XI: PROMISING NEW TREATMENTS FOR SOLID TUMORS
SESSION CHAIR: HOPE RUGO
9:15 Targeted Therapy for Breast Cancer - Hope Rugo
9:30 Advances in the Treatment of Colorectal Cancer: Targeting Receptors and Sites of Disease - Alan Venook
9:45 Advances in the Treatment of Genitourinary Cancers - Charles Ryan
10:00 Advances in the Treatment of Lung Cancer - Sarita Dubey
10:15 Incidence, Diagnosis and Treatment of Lung Cancer in China - Jie He
10:30 Discussion
10:45 Coffee Break, Poster Viewing and Visiting Exhibitors

SESSION IX: THE ROLE OF STEM CELLS IN CANCER METASTASIS
SESSION CHAIR: RUBY GHADIALY
11:05 Stem Cells in Metastatic Melanoma - Ruby Ghadially
11:20 Implications of Cancer Stem Cells for Metastasis - Michael Clarke
11:35 Prostate Cancer Stem Cells: Identification, Characterization, Regulation of Self Renewal, and Involvement in Metastasis - Dean Tang
11:50 Discussion
12:20 pm Distinguished Lecture - Introduced by Stanley Leong
Proliferation and Cancer Metastasis from the Clinical Point of View - Blake Cady (box lunch included)

SESSION XIII: MINISYMPOSIUM GI CANCER AND THE LYMPHATIC SYSTEM: PATTERNS OF MICROMETASTASIS AND LYMPHATIC MAPPING WITH CLINICAL OUTCOME
SESSION MODERATOR: TAKASHI AIKOU
1:55 Esophageal Cancer Yuko Kitagawa
2:10 Gastric Cancer - Yoshikazu Uenosono
2:25 Colon Cancer: Biology and Clinical Implications - Anton Bilchik
2:40 GI Oncology Perspectives - Naoto Ueno
2:55 Discussion
3:10 Coffee Break, Poster Viewing

SESSION XIV: ORAL PRESENTATIONS
SESSION MODERATORS: ANN DVORAK and HAROLD DVORAK
3:40 Oral Presentations from Selected Poster Presentations - 5 best overall posters including the 2 awards to young investigators
4:20 Presentations of Awards to Young Investigator Poster Winners - Mary Hendrix and Maryls Witte

SESSION XV: PANEL DISCUSSION WITH THE CHAIRS
4:30 Panel Discussion with the Chairs

SESSION XVI: FUTURE PERSPECTIVES
5:00 What We Have to Address for the Unknown in the Future - Stanley Leong and Maryls Witte
SESSION XVII: CLOSING SESSION

5:20  Closing Statement of the Symposium Stanley Leong
5:30  Adjourn