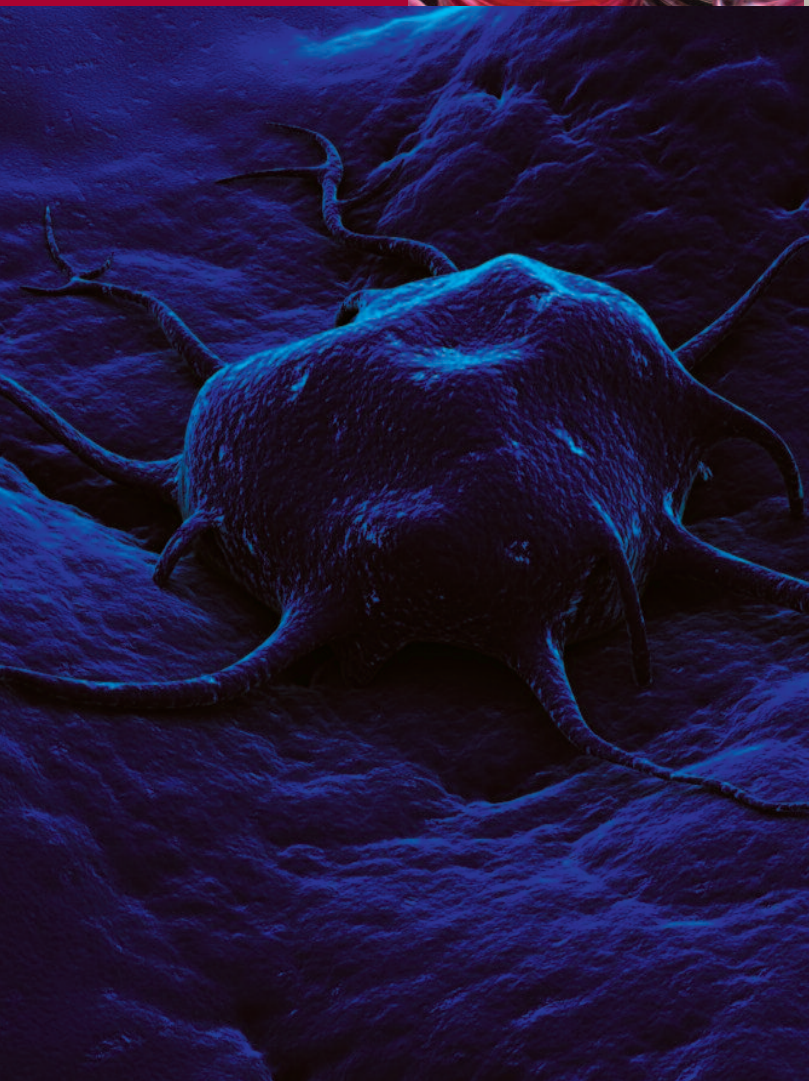


The Third Comprehensive Cancer Research Training Program (CCRTP) at Stanford University

presented by
Stanford Cancer Center
Stanford University School of Medicine



Quadrus Conference Center

2400 Sand Hill Road
Menlo Park, California

September 28 – October 2
2009

The Third Comprehensive Cancer Research Training Program (CCRTP) at Stanford University

Course Directors

Amato Giaccia, Ph.D.

Professor of Radiation Oncology
Associate Director
Stanford Cancer Center

Ginna Laport, M.D.

Associate Professor of Medicine
Division of Blood and Marrow Transplantation
Stanford University

Karl Blume, M.D.

Emeritus Professor of Medicine
Senior Cancer Research Program Advisor
Stanford Cancer Center

Course Overview

In September, 2007, the First Comprehensive Cancer Research Training Program (CCRTP) course was held. This educational event was exceedingly well received. Responses from former trainees are included in this brochure.

The Stanford Cancer Center invites graduate students and postdoctoral students (residents, clinical fellows and research

fellows) from Stanford University, the University of California at San Francisco (UCSF) and San Francisco State University (SFSU) to attend the Second Comprehensive Cancer Research Training Program. In particular, trainees from the respective Schools of Medicine, Schools of Engineering and the Schools of Humanities and Sciences from the three universities are encouraged to participate. The Stanford Cancer Center will host this course Monday, September 28 – Friday, October 2, 2009, at the Quadrus Conference Center on 2400 Sand Hill Road in Menlo Park, California.

This dynamic, educational initiative features one plenary session and 32 didactic lectures on current topics of basic, translational and clinical cancer research. Nationally and internationally renowned Stanford, UCSF and SFSU faculty will present the program. In addition, registered trainees will be invited to present their own research posters on Tuesday, September 29. Each didactic lecture is followed immediately by a discussion period.

Registered trainees will receive a course syllabus in the mail. The syllabus features an illustrated summary and reading list for each didactic lecture. Trainees are encouraged to use this syllabus in preparation for active participation during lecture discussions.

Evaluation

The course directors will send to the participants a limited number of questions allowing formative and summative evaluation of the course. These evaluations will be mailed electronically to the course participants at three time points, i.e., one week following the course, three months and again nine months after completion of the event. Participants are strongly encouraged to provide feedback to the course directors.

Tuition

No tuition fees will be charged. In order for trainees to fully participate in the course, their Laboratory Directors, Division Chiefs and Department Chairs are asked to provide the trainee with free educational time without clinical responsibilities for the week of September 28 through October 2, 2009. In turn, the organizers expect that the CCRTP trainees will attend the event in its entirety.

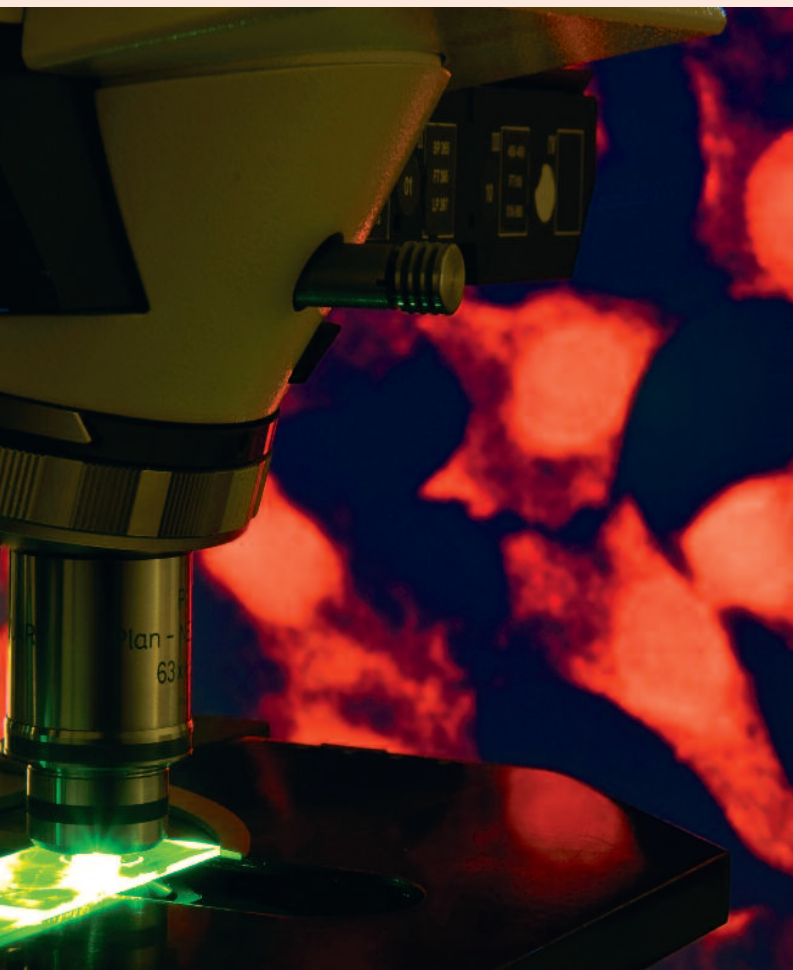
Registration

Attendance is limited to 130 participants. Early registration is encouraged. Attendees may register by mail or fax until July 6, 2009. A registration fee of \$75.00 is required and may be paid by check or department transfer. Complete registration instructions are located on the registration form in this brochure.

Registered participants will receive a copy of the syllabus, access to all lectures, daily breakfast and lunch, and receptions on the second, third and fifth day of the course. Each trainee will be awarded a certificate of participation at the end of the last day of the course, Friday, October 2, 2009.

Housing

Trainees travelling a long distance may choose to stay at the housing facility of the Stanford Linear Accelerator that is located across the street from the Quadrus Conference Center. This expense must be covered by the trainee or his/her department.



Faculty

Faculty CCRTF 2009

Steve Artandi, M.D., Ph.D.

Associate Professor of Medicine – Hematology
Stanford University

Boris Bastian, M.D.

Professor in Residence, Dermatology; Clinical Professor of Pathology
University of California, San Francisco

Philip Beachy, Ph.D.

Professor of Developmental Biology
Stanford University

Miriam Bischoff, M.S., M.B.A.

Facility Director, Cancer Clinical Trials Office
Stanford University

Marty Bigos, Ph.D.

Research and Development Engineer
Stanford University

Karl Blume, M.D.

Emeritus (Active) Professor of Medicine – Blood and Marrow Transplantation
Stanford University

John Chan, M.D.

Assistant Professor of Obstetrics, Gynecology and Reproductive Science
University of California, San Francisco

Yanru Chen-Tsai, Ph.D.

Senior Research Scientist
Stanford University

Allis Chien, Ph.D.

Director, Stanford University Mass Spectrometry
Stanford University

Michael Clarke, M.D.

Professor of Medicine – Oncology
Stanford University

John Collier, Ph.D.

Research and Development Engineer
Stanford University

Timothy Doyle, Ph.D.

Senior Research Scientist
Stanford University

Dean Felsher, M.D., Ph.D.

Associate Professor of Medicine and Pathology – Oncology
Stanford University

James Ford, M.D.

Associate Professor of Medicine - Oncology
Stanford University

Sam Gambhir, Ph.D., M.D.

Professor of Radiology and Nuclear Medicine
Stanford University

Amato Giaccia, Ph.D.

Professor of Radiation Oncology and Biology
Stanford University

Ellie Guardino, M.D., Ph.D.

Assistant Professor of Medicine – Oncology
Stanford University

Henry (Hank) Greely, J.D.

Professor of Law
Stanford University

Paul Khavari, M.D., Ph.D.

Professor of Dermatology
Stanford University, VA Hospital
Palo Alto

Albert Koong, M.D., Ph.D.

Assistant Professor of Radiation Oncology/Therapy
Stanford University

Allison Kurian, M.D., M.Sc.

Assistant Professor of Medicine – Oncology
Stanford University

Ginna Laport, M.D.

Associate Professor of Medicine – Blood and Marrow Transplantation
Stanford University

Philip Lavori, Ph.D.

Professor, Health Research and Policy – Biostatistics
Stanford University

Holden Maeker, Ph.D.

Director, Human Immune Research Center
Stanford University

Letitia Márquez-Magaña, Ph.D.

Health Equity Institute Professor of Biology
San Francisco State University

Beverly Mitchell, M.D.

Professor of Medicine
Director, Cancer Center
Stanford University

Jon Mulholland, M.S.

Director, Cell Sciences Imaging Facility
Stanford University

Mark Moasser, M.D.

Associate Professor of Medicine
University of California, San Francisco

Robert Negrin, M.D.

Professor of Medicine – Blood and Marrow Transplantation
Stanford University

Roeland Nusse, Ph.D.

Professor of Developmental Biology
Stanford University

Joel Palefsky, M.D.

Professor of Laboratory Medicine and Medicine
University of California, San Francisco

Renee Reijo Pera, Ph.D.

Professor of Obstetrics and Gynecology
Stanford University

Philip Pizzo, M.D.

Dean, School of Medicine
Stanford University

Sylvia Plevritis, Ph.D.

Associate Professor of Radiology
Stanford University

Jonathan Pollack, M.D., Ph.D.

Associate Professor of Pathology
Stanford University

Pamela Priest Naeve, B.A.

Director, Community Education
Northern California Cancer Center

Robert Proctor, Ph.D.

Professor of History
Stanford University

Glenn Rosen, M.D.

Associate Professor of Medicine – Pulmonary and Critical Care Medicine
Stanford University

George Sawaya, M.D.

Associate Professor of Obstetrics, Gynecology and Reproductive Science
University of California, San Francisco

Karen Smith-McCune, Ph.D., M.D.

Associate Professor of Obstetrics, Gynecology and Reproductive Science
University of California, San Francisco

David Solow-Cordeo, Ph.D.

Director, High-Throughput Bioscience Center
Stanford University

David Spiegel, M.D.

Professor of Psychiatry and Behavioral Science
Stanford University

Frank Stockdale, M.D., Ph.D.

Emeritus (Active) Maureen Lyles D'Ambrogio Professor of Medicine – Oncology
Stanford University

Susan Swetter, M.D.

Associate Professor of Dermatology
Stanford University, VA Hospital
Palo Alto

Sara (Sally) Tobin, Ph.D.

Senior Research Scholar, Program for Genomics, Ethics and Society
Stanford University

Heather Wakelee, M.D.

Assistant Professor of Medicine – Oncology
Stanford University



Program

September 28, Monday

- 7:45 am **Breakfast**
- 8:15 **Introduction into the Course**
Amato Giaccia, Ph.D.
- 8:30 **Plenary Lecture 1**
Ethical and Legal Aspects of Stem Cell Research
Henry Greely, J.D.
- Stem Cell Research**
- 9:25 Embryonic Stem Cells and Cancer Research
Renee Reijo Pera, Ph.D.
- 10:15 **Coffee Break**
- 10:35 Signaling Pathways and Stem Cell Regulation
Roeland Nusse, Ph.D.
- 11:25 Cancer and Leukemia Stem Cells
Michael Clarke, M.D.
- 12:15 pm **Lunch**
- Breast Cancer Research**
- 1:15 Molecular Targets in Breast Cancer
Mark Moasser, M.D.
- 2:05 Translational and Clinical Breast Cancer Research
Ellie Guardino, Ph.D., M.D.
- 3:00 Epidemiology of Breast Cancer
Allison Kurian, M.D.
- 4:00 pm **Adjourn**

September 29, 2009, Tuesday

- 7:45 am **Breakfast**
- 8:30 **Plenary Lecture 2**
Supporting a Career in Science: The Responsibility of the Individual, Institution and Society
Philip Pizzo, M.D.
- Myelodysplasia (MDS) and Acute Leukemia**
- 9:25 Telomeres and Telomerases in Cancer and Leukemia
Steve Artandi, M.D., Ph.D.
- 10:15 **Coffee Break**
- 10:35 Translational Research in MDS and Leukemia
Beverly Mitchell, M.D.

- 11:25 Hematopoietic Cell Transplantation for MDS and Leukemia
Robert Negrin, M.D.

12:15 pm **Lunch** **Cell Regulation and Cancer**

- 1:15 Hedgehog Pathway
Philip Beachy, Ph.D.
- 2:05 Cancer Genomics
Jonathan Pollack, M.D., Ph.D.
- 3:00 Oncogene Addiction
Dean Felsher, M.D., Ph.D.
- 4:00 pm **Poster Session I:**
Presentation of Research Posters by Trainees

September 30, 2009, Wednesday

- 7:45 am **Breakfast**
- Plenary Lecture 3**
- 8:30 HIV-Related and HIV Therapy – Related Malignancies
Joel Palefsky, Ph.D.
- Funding, Clinical Research and Publishing of Scientific Data**
- 9:25 How to Write a Grant Application
Sara Tobin, Ph.D.
- 10:15 **Coffee Break**
- 10:35 How to Design a Clinical Trial
Ginna Laport, M.D.
- 11:25 How to Write a Scientific Paper
Frank Stockdale, M.D., Ph.D.
- 12:15 **Lunch**
- Gynecologic Tumor Research**
- 1:15 Screening for Cervical Cancer
George Sawaya, M.D.
- 2:05 Human Papilloma Virus and Cervical Cancer
Karen Smith-McCune, Ph.D., M.D.
- 3:00 Translational and Clinical Research in Gynecologic Cancers
John Chan, M.D.
- 4:00 **Poster Session II:**
Cancer Center Cores at the Stanford Cancer Center
- Core A: Biostatistics
Philip Lavori, Ph.D.,
Tze Lai, Ph.D.
- Core B: Clinical Protocol and Data Management
Miriam Bischoff, M.S., M.B.A.,
George Fisher, M.D., Ph.D.

- Core C: Animal Tumor Models
Yanru Chen-Tsai, Ph.D.,
Jeewon Kim, Ph.D.,
Michael Cleary, M.D.
- Core D: High-throughput Screening
David Solow-Cordero, Ph.D.,
James Chen, Ph.D.
- Core E: Tissue Procurement
Jonathan Pollack, M.D., Ph.D.,
Chuong Hoang, M.D.
- Core F: Cancer Imaging
Timothy Doyle, Ph.D.,
Christopher Contag, Ph.D.
- Core G: Cell Sciences Imaging
Jon Mulholland, M.S.,
Steve Smith, Ph.D.
- Core H: Flow Cytometry
Marty Bigos, Ph.D.,
Garry Nolan, Ph.D.
- Core I: Genomics
John Collier, Ph.D.,
Catherine Ball, Ph.D.
- Core J: Proteomics
Allis Chien, Ph.D.,
Joshua Elias, Ph.D.
- Core K: Human Immune Monitoring
Holden Maeker, Ph.D.,
Mark Davis, Ph.D.

October 1, Thursday

- 7:45 am **Breakfast**
- Plenary Lecture 4**
- 8:30 Systems Biology of Cancer
Sylvia Plevritis, Ph.D.
- Dermatologic Cancer Research**
- 9:25 Molecular Epidemiology of Melanoma
Boris Bastian, M.D.
- 10:15 **Coffee Break**
- 10:35 Mechanisms of Epithelial Tumorigenesis
Paul Khavari, M.D., Ph.D.
- 11:25 Clinical Research in Prevention and Therapy of Melanoma
Susan Swetter, M.D.
- 12:15 pm **Lunch**
- Social Aspects of Cancer and Cancer Research**
- 1:15 Cancer Survivorship Studies
David Spiegel, M.D.

2:05 The Underrepresentation of Minorities in Cancer Research
Letitia Márquez-Magaña, Ph.D.
3:00 Community Cancer Education
Pamela Priest Naeve, B.A.
4:00 pm **Adjourn**

October 2, Friday

7:45 **Breakfast**
Plenary Lecture 5
8:30 Cancer Imaging Research
Sam Gambhir, Ph.D., M.D.

(GI) Cancers
9:25 Oncogenes and GI Cancer
Amato Giaccia, Ph.D.
10:15 **Coffee Break**
10:35 Translational Research in Tumors of the GI Tract: Hereditary Diffuse Gastric Cancer
James Ford, M.D.
11:25 The Use of Radiotherapy in GI Malignancies
Albert Koong, M.D., Ph.D.

12:15 **Lunch** **Lung Cancer Research**

1:15 Advances in Lung Cancer Research
Glenn Rosen, M.D.

2:05 Translational Research and Clinical Trials in Lung Cancer
Heather Wakelee, M.D.
3:00 What Caused the Global Lung Cancer Epidemic – And how can it be stopped?
Robert Proctor, Ph.D.
4:00 **Closing Remarks**
Karl Blume, M.D.
Certificates to Trainees
Reception
Adjourn

Feedback from 2007 and 2008 CCRTF Trainees...

“The program was exceptional - one of the best collection of talks I've ever seen.” – *Post-doctoral Scholar*

“Well organized with many interesting lectures. It's good to hear from people who are doing path-breaking science. Talks from diverse fields gives a good exposure on all aspects related to cancer or disease. Promotes inter-disciplinary approach to address cancer issues.” – *Research Associate*

“This course has given me a general background in the field of cancer research which I really need. I also got to know many other people working in my field and also got an understanding of how my research fits in the “big picture”” – *Resident*

“This conference is insanely high-yield. I'm so glad we have access to slides and videos because there are many talks I want to see again and many I want to share with those who weren't able to attend (lab mates, etc.). The topics covered were comprehensive. I've heard some similar lectures before but to have them all immediately juxtaposed creates a synergy that takes cancer education to the next level.” – *Graduate Student*

“Overall phenomenal program. Thank you for the wonderful opportunity. I look forward to next year!” – *Medical Fellow*

“An outstanding program. My deepest gratitude to Professors Blume and Giaccia for organizing such a remarkable program. The breadth of presentations in this program was a tremendous strength. A number of the talks I would not have voluntarily attended; however, participation in all of the lectures throughout the week exposed me to remarkably interesting topics which I would have not normally seen.” – *Graduate Student*

“Outstanding course, very insightful for me as a post-doc to get the whole picture from research to patient.” – *Post-doctoral Scholar*

“The cancer research training program is a great place to meet researchers involved in A-Z aspects of cancer research. I learned a lot!” – *Post-doctoral Scholar*

“My research is cancer related, but I normally only think about a small part of cancer biology. This course provided an invaluable summary of the current state-of-the-art and allowed me to see more of the whole picture of cancer in the laboratory and the clinic.” – *Graduate Student*

“Great conference! I look forward to attending again next year. Great focus on translational research.” – *Fellow*

“I think this was a really great course because it covered both the genetic and cellular aspects of cancer. I also liked the extensive information on the clinical trials.” – *Graduate Student*

“I loved the course. It was a unique and very effective format for learning about cancer research. Bravo!” – *Post-Doc*

“This CCRTF course was just wonderful. I only wish more departments/colleges/universities/institutes would offer such learning opportunities.” – *Fellow*

“The lectures were insightful and very useful not only in deepening our understanding of the cancer related research but even more in broadening our horizons on all aspects of cancer research.” – *Graduate Student*

“This is the most comprehensive conference combining clinical and basic research, yet also pertinent topics for trainees that no one ever talks about. Furthermore, it has done a great job at fostering interactions between trainees from so many different backgrounds!” – *Resident*

Stanford University

800 Welch Road
MC 5796
Palo Alto, CA 94304

Directions

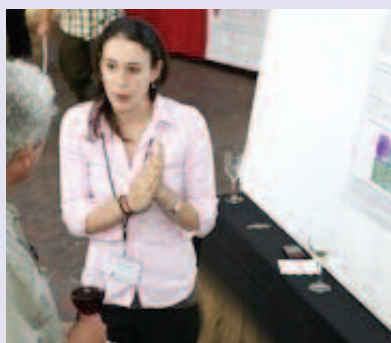
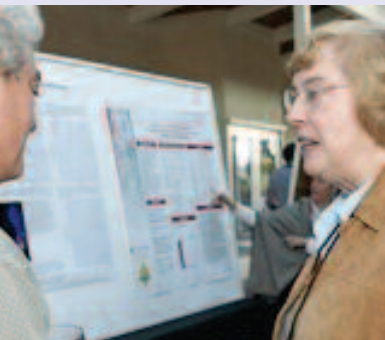
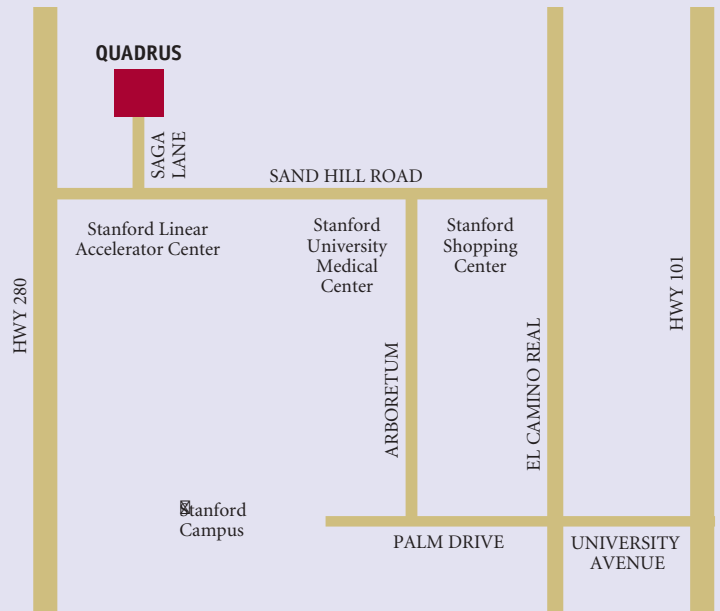
From Palo Alto: From El Camino, turn onto Sand Hill Road. Go west on Sand Hill Road for 2.5 miles, then turn right onto Saga Lane.

From San Francisco: Take 280 south to the Sand Hill Road exit. Go east on Sand Hill Road for 1.5 miles, then turn left at the light at Saga Lane.

From San Jose: Take 280 north to the Sand Hill Road exit. Go east on Sand Hill Road for 1.5 miles, then turn left at the light at Saga Lane.

Parking

Parking for the Quadrus Conference Center is located just down the hill from the Center itself and is marked by low signs along Saga Lane. Very limited parking is available right next to the conference center for attendees who require closer access. Parking is free; however, space for parking is limited and early arrival is always recommended.



Registration Form

The Second Comprehensive Cancer Research Training Program (CCRTP) at Stanford University
September 28 – October 2, 2009
Quadrus Conference Center

Please complete the registration form, detach this page and return it no later than July 6, 2009 to:

CCRTP Course
Carrie Anne Spinelli (spinelli@stanford.edu)
Stanford Cancer Center
800 Welch Road, MC 5796
Palo Alto, CA 94304

Or you may fax your completed registration form to 650-736-0607.

Please print:

First Name

Last Name

Degree(s)

Department

Division

Please check those that apply:

Graduate Student

Postdoctoral Research Scholar

Medical Fellow

Other: _____

I would like to present a research poster on Tuesday, September 29, 2009. *Space at Trainee Research Poster Session is limited and is assigned on a first come-first serve basis.*

Contact Information

We will use this information to confirm your registration, inform you of any difficulty processing your registration and mail you your syllabus. Please provide accurate, complete information.

E-mail

Phone

Mail Code (Stanford University registrants who will be on campus during Summer 2009)

Mailing Address

City

State

Zip

Gender and Ethnicity

This information is requested for reporting purposes. However, your reply is optional.

Female

Male

African American

Asian

Caucasian

Mexican American / Chicano

Other Hispanic

Pacific Islander

Other: _____

Decline to state

If you have any special needs or requests, please let us know:

Registration Fee

To confirm your space in the course, a registration fee of **\$75.00** must be submitted at the time of registration. You will receive a full refund of your registration fee if you cancel your registration by or before **August 3, 2009**. Refunds are not available after August 3.

Method of payment:

Check – enclosed

(Please make checks payable to Stanford University and write “Comprehensive Cancer Research Training” in the lower left hand corner of your check.)

Department Fund Transfer (Stanford University registrants only)

Department Approver Name

Phone

E-mail

PTA Number

Contact Cherelyn Clark by email at cclark1@stanford.edu for more information regarding fund transfers.