

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

presented by
Stanford Cancer Institute
Stanford University School of Medicine

Course Directors:

Amato Giaccia, Ph.D.
Ginna Laport, M.D.
James Ford, M.D.



Quadrus Conference Center

2400 Sand Hill Road
Menlo Park, California

September 15 – September
18, 2014



STANFORD
CANCER INSTITUTE

The 2014 Comprehensive Cancer Research Training Program

Course Overview

In September, 2007, 2008, 2009, 2010, 2011, 2012, and 2013, the first seven annual Comprehensive Cancer Research Training Program (CCRTP) courses were held. This educational initiative has been exceedingly well received.

The Stanford Cancer Institute invites again graduate students and post-doctoral students (residents, clinical fellows, research fellows) and junior faculty members to attend the eighth annual Comprehensive Cancer Research Training Program. In particular, trainees from the respective Schools of Medicine, Schools of Engineering and the Schools of Humanities and Sciences are encouraged to participate. The Stanford Cancer Institute will host this course between Monday, September 15 and Thursday, September 18, 2014, at the Quadrus Conference Center at 2400 Sand Hill Road in Menlo Park, California.

This dynamic educational event features a plenary session on a topic of general interest every morning followed by seven half-day sessions on scientific themes with three presentations each. The 21 didactic lectures on current topics of basic, translational and clinical cancer research are presented by nationally and internationally renowned faculty from Stanford University. Each didactic lecture is followed immediately by a discussion.

Evaluation

At the end of each day, the participants are asked to evaluate the presentations. After the course, the directors will send to the participants a limited number of questions allowing summative evaluations of the

course. These evaluations will be mailed electronically to the course participants one month following the course. 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 trainees with free educational time without clinical responsibilities for the week of September 15 through September 18, 2014. In turn, the organizers expect that the CCRTP trainees will attend the event in its entirety.

Registration

Attendance is limited to 120 participants. Early registration is encouraged. **Attendees may register by mail or fax until September 8, 2014.** A registration fee of \$70.00 is required and may be paid by check or department transfer. Complete registration instructions are located on the registration form in this brochure.

Each trainee will be awarded a certificate of participation at the end of the course, Thursday, September 18, 2014.

Housing

Trainees travelling a long distance may choose to stay at the Stanford Guest House of the Stanford Linear Accelerator that is located across the street from the Quadrus Conference Center. The cost per night is approximately \$150.00. This expense must be covered by the trainee or his/her department. See <https://www6.slac.stanford.edu/visiting-slac/accommodations.aspx> for additional lodging options.

September 15, 2014, Monday

7:45am Breakfast
8:15am Introduction into the Course
Amato Giaccia, Ph.D.
8:30am Plenary Lecture 1: Introduction: Cancer and Cancer Research in 2014
Beverly Mitchell, M.D.

BREAST

9:25am Targeted Therapy in Breast Cancer: A Long and Winding Road
George Sledge, M.D.
10:15am Coffee Break
10:35am Population Sciences Research in Breast Cancer
Allison Kurian, M.D., M.Sc.

11:25am Early detection of breast and prostate cancer using MRI
Bruce Daniel, M.D.

12:15pm Lunch

PROTEOMICS

1:15pm Assembling cancer protein networks to improve prediction and treatment
Peter Jackson, Ph.D.
2:05pm Nanoscale Phospho-Proteomic Profiling for Diagnosis and Therapeutic Monitoring in Cancer
Alice Fan, M.D.
2:55pm Massively Multiplexed Single Cell Analysis in Health and Disease
Sean Bendall, Ph.D.
4:00pm Adjourn

Training Program (CC RTP) at Stanford University

September 16, 2014, Tuesday

7:45am	Breakfast	12:15pm	Lunch
8:30am	Plenary Lecture 2: Adoptive Immunotherapy in Cancer <i>Ed Engleman, M.D.</i>	LUNG	
		1:15pm	Improving Cancer Treatment through Combination Immunotherapy <i>Holbrook Kohrt, M.D., Ph.D.</i>
GYNECOLOGY		2:05pm	Overcoming Acquired Resistance to Targeted Therapies in Lung Cancer <i>Joel Neal, M.D., Ph.D.</i>
9:25am	Overview of the Epidemiology, Etiology and Genetics of Gynecologic Cancers <i>Jonathan Berek, M.D., M.M.S.</i>	2:55pm	Mechanisms of cancer initiation <i>Julien Sage, Ph.D.</i>
10:15am	Coffee Break	4:00pm	Adjourn
10:35am	Therapeutic targeting of tumor promoting biological mechanisms in ovarian cancer <i>Oliver Dorigo, M.D., Ph.D.</i>		
11:25am	The Role of the Tumor Microenvironment in Ovarian Cancer Progression and Therapy <i>Erinn Rankin, Ph.D.</i>		

September 17, 2014, Wednesday

7:45am	Breakfast	11:25am	Targeting the tumor and targeting the host <i>Ron Levy, M.D.</i>
8:30am	Plenary Lecture 3: Careers in Academia <i>Linda Boxer, M.D., Ph.D.</i>	12:15pm	Lunch
		HOW TO...	
IMMUNOLOGY		1:15pm	Responsibility of Conducting Research <i>Ginna Laport, M.D.</i>
9:25am	Circulating Tumor DNA: Detection Methods and Clinical Applications <i>Max Diehn, M.D., Ph.D.</i>	2:05pm	How to Write a Grant Application <i>Mildred Cho, Ph.D.</i>
10:15am	Coffee Break	2:55pm	How to Write a Scientific Paper <i>Frank Stockdale, M.D., Ph.D.</i>
10:35am	Tumor Immunotherapy Using Antibodies to Negative T Cell Regulators <i>Alan Korman, Ph.D.</i>	4:00pm	Adjourn

September 18, 2014, Thursday

7:45am	Breakfast	10:35am	The role of epigenetics in cancer development, predisposition and predicting outcomes <i>Megan Hitchins, Ph.D.</i>
8:30am	Plenary Lecture 4: Gene Regulation and Cancer <i>Howard Chang, M.D., Ph.D.</i>	11:25am	Biomarkers for cancer etiology, early detection and for cancer prognosis <i>Ann Hsing, Ph.D.</i>
		12:15pm	Closing Remarks <i>Ginna Laport, M.D.</i>
EPIDEMIOLOGY			Certificates to Trainees
9:25am	From cells to society - the breadth and depth of epidemiology, with examples from breast and colorectal cancer research <i>Robert Haile, Dr.P.H.</i>	12:30pm	Lunch
10:15am	Coffee Break		

2014 CCRTTP Registration Form

Please complete the registration form, detach this page, and return it no later than September 8, 2014 to:

Mail to:

CCRTTP Course
Karen Tran
Stanford Cancer Institute
265 Campus Drive Suite G2103, MC 5456
Stanford, CA 94305

Email to:

Karen Tran
kmtran@stanford.edu

Fax to:

Karen Tran
Stanford Cancer Institute
650-736-0607

Please print:

<input type="text"/>	<input type="text"/>
First Name	Degree(s)
<input type="text"/>	<input type="text"/>
Last Name	Division
<input type="text"/>	<input type="text"/>
Department	

Please check all boxes that apply to you:

<input type="checkbox"/> Graduate Student	<input type="checkbox"/> Faculty: _____
<input type="checkbox"/> Postdoctoral Research Scholar	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Medical Fellow	

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.

<input type="text"/>	<input type="text"/>	
Email	Phone	
<input type="text"/>	<input type="text"/>	
Mailing Address	Mail Code (Stanford University registrants who will be on campus during Summer 2014)	
<input type="text"/>	<input type="text"/>	
City	State	ZIP

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

<input type="checkbox"/> Female	<input type="checkbox"/> African American	<input type="checkbox"/> Other Hispanic
<input type="checkbox"/> Male	<input type="checkbox"/> Asian	<input type="checkbox"/> Pacific Islander
	<input type="checkbox"/> Caucasian	<input type="checkbox"/> Other: _____
	<input type="checkbox"/> Mexican American/Chicano	<input type="checkbox"/> Decline to state

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

Registration Fee

To confirm your space in the course, you must submit a registration fee of \$70.00 at the time of registration. You will receive a full refund of your registration fee if you cancel your registration on or before September 12, 2014. Refunds are not available after September 8th.

Contact Karen Tran by email at kmtran@stanford.edu for more information regarding fund transfers.

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.)

<input type="text"/>	<input type="text"/>	<input type="text"/>
Department Approver Name	Phone	Email
<input type="text"/>		
PTA Number		

Detach Here

CC RTP Faculty

Course Directors

Amato Giaccia, Ph.D.

Professor of Radiation Oncology
Associate Director for Basic Science
Stanford Cancer Institute

Ginna Laport, M.D.

Professor of Medicine –
Blood and Marrow Transplantation
Associate Director for Education
Stanford Cancer Institute

James Ford, M.D.

Associate Professor of Medicine
Division of Medical Oncology
Stanford University

Sean Bendall, Ph.D.

Assistant Professor of Pathology

Jonathan Berek, M.D., M.M.S.

Laurie Kraus Lacob Professor
Department of Obstetrics and Gynecology

Linda Boxer, M.D., Ph.D.

Vice Dean of the School of Medicine
Professor of Medicine – Hematology

Howard Chang, M.D., Ph.D.

Professor of Dermatology

Mildred Cho, Ph.D.

Professor of Pediatrics

Bruce Daniel, M.D.

Professor of Radiology

Max Diehn, M.D., Ph.D.

Assistant Professor of Radiation Oncology

Oliver Dorigo, M.D., Ph.D.

Associate Professor of Obstetrics and
Gynecology – Oncology

Edgar Engleman, M.D.

Professor of Pathology and Medicine –
Immunology and Rheumatology

Alice Fan, M.D.

Assistant Professor of Medicine – Oncology

Robert Haile, Dr.P.H.

Professor of Medicine – Oncology and
Health Research and Policy –
Epidemiology
Associate Director for Population Science
Stanford Cancer Institute

Megan Hitchins, Ph.D.

Associate Professor of Medicine –
Oncology

Ann Hsing, Ph.D.

Chief Scientific Officer and Senior Research
Scientist
Cancer Prevention Institute of California
Consulting Professor – Health Research
and Policy – Epidemiology

Peter Jackson, Ph.D.

Professor of Microbiology and
Immunology

Holbrook Kohrt, M.D., Ph.D.

Assistant Professor of Medicine – Oncology

Alan Korman, Ph.D.

Vice President, Immuno-Oncology
Bristol-Myers Squibb

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

Assistant Professor of Medicine –
Oncology and Health Research
and Policy

Ron Levy, M.D.

Robert K. and Helen K. Summy Professor
School of Medicine – Oncology

Beverly Mitchell, M.D.

George E. Becker Professor of Medicine
– Oncology and Chemical Systems
Biology
Director, Stanford Cancer Institute

Joel Neal, M.D., Ph.D.

Assistant Professor of Medicine –
Oncology

Erinn Rankin, Ph.D.

Basic Life Science Research Associate
Radiation Oncology – Radiation Biology

Julien Sage, Ph.D.

Associate Professor of Pediatrics –
Cancer Biology and of Genetics

George Sledge, M.D.

Professor of Medicine – Oncology

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

Maureen Lyles D'Ambrogio Professor
School of Medicine, Emeritus

*(Faculty are from Stanford University
unless otherwise indicated)*

Directions

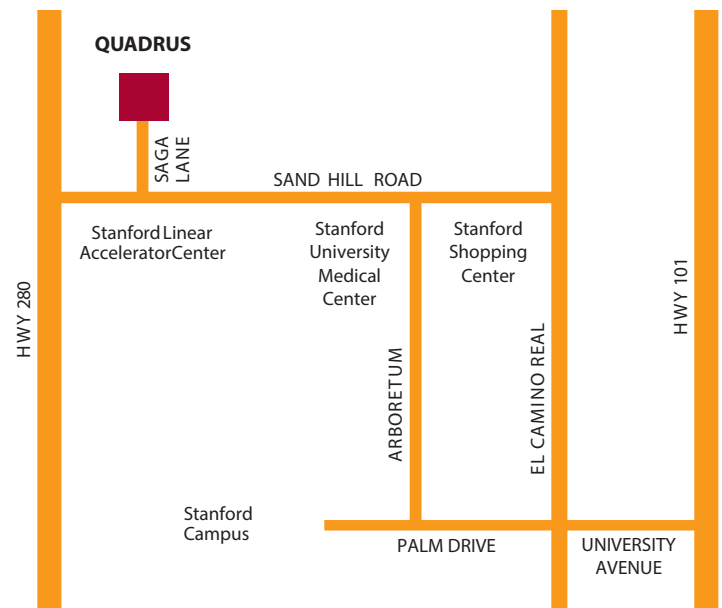
From Palo Alto: From El Camino, turn onto Sand Hill Road. Go west on Sand Hill Road for 2.5 miles, then turn right onto Saga Lane.

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.





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Stanford University
265 Campus Drive
MC5456
Stanford, CA 94305

What participants had to say about the CC RTP . . .

"Overall, this training program has been fantastic with presentation of many diverse relevant topics in the field of cancer biology/treatment taught by qualified, experienced knowledgeable experts of their respective fields. I learned a lot. What struck me as most impressive was that 1) all the speakers presented not only the known/successes in cancer biology, but also pointed out current challenges/issues/unknowns, and 2) the speakers presented data relevant to the course topic, not just stuff from their own labs. Finally, the conference facility was fantastic."

"Excellent course! Nice broad spectrum of material that motivates me to want to explore other cancer areas and collaborate."

"This has been the most coherently organized, well-represented, and well-fed course/conference I have ever been to! I am greatly looking forward to returning next year."

"CC RTP was a great reminder that research and hard work can eventually yield effective therapies. It is easy to lose touch of that when bogged down in labwork as a postdoc."

"This conference has increased my understanding of cancer or its effects. Thank you for organizing this conference. Also, this conference has instilled within me a desire to not just care but find a way to prevent cancer."

"This is a very carefully designed and well-organized course, and I felt lucky to be able to participate."

