

March 30, 2012

## Announcements

Yale Cancer Center Members Present at AACR  
I am pleased that Yale Cancer Center and Smilow Cancer Hospital will have good representation at the annual American Association for Cancer Research meeting in Chicago this weekend. Please take time to attend the presentations by your colleagues while at the meeting.

### Presentations and Symposiums

#### **Saturday, March 31**

*Educational Session: Cancer Survivorship: Role of Nutrition, Dietary Supplements, Physical Activity, and Weight Loss*  
10:15 AM -12:15 PM

McCormick Place West (Level 1), Room W178

**Session Chair: Susan T. Mayne**

*Nutrient supplements for cancer prevention: Friend or foe?*  
10:15 AM -10:40 AM

**Susan T. Mayne**

*Beneficial effects of exercise after a cancer diagnosis*  
10:45 AM -11:10 AM

**Melinda L. Irwin**

#### **Sunday, April 1**

*Science Policy Session: Challenging Conventional Cancer Care: The Untold Story of Tobacco's Effect on Cancer Biology, Treatment Response, and Survival*

3:15 PM - 4:45 PM

McCormick Place West (Level 1), Room W178

**Session Chair: Roy S. Herbst**

*Assessing tobacco use in clinical trials and research: current status and policy*

4:05 PM - 4:20 PM

**Benjamin A. Toll**

#### **Monday, April 2**

*Professional Advancement Session: Career Mentoring*

from the desk of

**Thomas J. Lynch, Jr., MD**

Director, Yale Cancer Center

Physician-in-Chief Smilow Cancer

Hospital at Yale-New Haven



SMILOW CANCER HOSPITAL  
AT YALE-NEW HAVEN

Yale CANCER  
CENTER

A Comprehensive Cancer Center Designated  
by the National Cancer Institute

## Countdown to the CCSG Submission

# 179 days

until our CCSG  
grant is due on  
September 25, 2012.

Join Yale Cancer  
Center on Facebook

Like us on Facebook 

8:30 - 10:30 AM

Hilton Chicago Hotel, Continental Ballroom B-C

**Daniel C. DiMaio**

*Minisymposium: miR-34 prevents in vivo lung tumor initiation and progression in the therapeutically resistant Kras;p53 mouse model*

4:05 - 4:20 PM

McCormick Place South (Level 1), Room S103

**Andrea L. Kasinski, Frank J. Slack**

### **Tuesday, April 3**

*Science Policy Session: Early Phase Testing of Two Drugs - Practical Challenges*

11:05 - 11:25 AM

McCormick Place West (Level 1), Room W178

**Roy S. Herbst**

*Forum: What Can We Learn About Cancer From Nonmammalian Models?*

5:00 - 6:30 PM

McCormick Place South (Level 1), Room S103

**Tian Xu**

### **Wednesday, April 4**

*Plenary Session: Cell signaling by receptor tyrosine kinases: From basic principles to cancer therapy*

8:00 - 8:30 AM

McCormick Place South (Level 1), Room S100 (Grand Ballroom)

**Joseph Schlessinger**

### **Poster Sessions**

**Sunday, April 1; 1:00 - 5:00 PM; Hall F**

*In vivo targeting of CD44+ ovarian cancer stem cells (CSC) by Clostridium Perfringens Enterotoxin binding domain (CPE-peptide) conjugated to poly(lactic-co-glycolic acid) (PLGA) nanoparticles (NP)*

Emiliano Cocco, Stefania Bellone, Dana Roque, Federica Guzzo, Sara Gasparrini, Sergio Pecorelli, Dan-Arin Silasi, Masoud Azodi, Elena Ratner, Thomas Ruterford, Peter Schwartz, Caroline E. Weller, W. Mark Saltzman, Alessandro D. Santin

Poster Section 13

*Induction of activation-induced cytidine deaminase (AID) by dendritic cells leads to genomic instability in human myeloma*

Srinivas Koduru, Ellice Wong, Till Strowig, Ranjini Sundaram, Lin Zhang, Matthew P. Strout, Richard A. Flavell, David G. Schatz, Kavita M. Dhodapkar, Madhav V. Dhodapkar  
Poster Section 11

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### **Inside**

**yalecancercenter.org**

**James Watson's Lecture on Curing INCURABLE Cancer**

[Learn More >>](#)

### **Research in Progress**

**Video presentations from Yale Cancer Center faculty on current research projects are now available online.**

[Learn More >>](#)

### **Research in Progress**

Video presentations from Yale Cancer Center faculty on current research projects are now available online.

[Learn More >>](#)

### **In the News**

Read recent articles featuring experts from Yale Cancer Center.

[Read More >>](#)

### **Subscribe to Yale Cancer Center Answers on iTunes**

Yale Cancer Center's weekly radio program on CT Public Radio is ranked number 2 in the world for cancer programs on iTunes. Subscribe to the show.

[Learn More >>](#)

### **Yale Cancer Center Grand Rounds**

Video presentations from Yale Cancer Center members are now available online.

[Learn More >>](#)

### **DirectConnect Archives**

[Learn More >>](#)

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*Synergistic interplay between long-term overweight and long menstrual years in endometrial cancer*

Lingeng Lu, Shanming Lee, Susan Mayne, Melinda Irwin, Brenda Cartmel, Harvey Risch, Herbert Yu  
Poster Section 23

*Indoor tanning and risk of early-onset basal cell carcinoma*

Leah M. Ferrucci, Brenda Cartmel, Annette M. Molinaro, David J. Leffel2, Allen E. Bale, Susan T. Mayne  
Poster Section 23

*Estrogen receptor mRNA level in breast cancer predicts response to tamoxifen*

Jennifer Bordeaux, Huan Cheng, Allison Welsh, Bruce Haffty, Donald Lannin, Xingyong Wu, Nan Su, Xiao-Jun Ma, Yuling Luo, David Rimm  
Poster Section 25

*HER2 assessment to define outcomes for breast cancer patients treated with neoadjuvant therapy*

Huan Cheng, Yalai Bai, William Sikov, Natalie Sinclair, Maysa Abu-Khalaf, Lyndsay N. Harris, David L. Rimm  
Poster Section 25

*Loss of miR-34a as measured by quantitative in situ hybridization on a tissue microarray is associated with poor outcome in breast cancer*

Seema Agarwal, Jason A. Hanna, David L. Rimm  
Poster Section 25

*Implementing CAD cells quantify the relationships between Ig-CAM-mediated adhesion, force transduction, and actin dynamics*

Miles H. Fuller, Andrew Schaefer, Cecile Mejean, Paul Forscher  
Poster Section 2

*Flavonoid intake and risk of pancreatic cancer in the National Institutes of Health-AARP Diet and Health Study Cohort*

Hannah Arem, Gerd Bobe, Joshua Sampson, Amy F. Suba3, Yikyung Park, Harvey Risch, Albert R. Hollenbeck, Susan T. Mayne, Rachael Stolzenberg-Solomon  
Poster Section 23

*Tobacco assessment in actively accruing Cooperative Group clinical trials*

Graham W. Warren, Erica N. Peters, Essie Torres, K. Michael Cummings, Ellen R. Gritz, Andrew Hyland, Roy Herbst, James R. Marshall, Benjamin A. Toll  
Poster Section 23

*Validation of antibodies to Estrogen Receptor  $\beta$  and quantitative assessment of ER $\beta$ 1 and ER $\beta$ 5 expression in breast cancer*

## Events

**March 30; 12:30 PM**  
**Molecular, Cellular and Developmental Basis of Endocrinology Special Lecture**  
Boyer Center, Room 206  
*Vitamin D and the Vitamin D Receptor in Cancer*  
Stephen Byers, PhD  
[Learn More >>](#)

**April 1; 6:00 PM**  
**Yale Cancer Center Answers**  
WNPR  
*The Connecticut Cancer Partnership*  
Lucinda Hogarty and Linda Mowad  
[Learn More >>](#)

**April 3; 12:00 PM**  
Yale Cancer Center Grand Rounds - CANCELED  
AACR Annual Meeting

**April 4; 7:00 AM**  
Research in Progress Meeting - CANCELED  
AACR Annual Meeting

**April 4; 11:00 AM**  
**Radiobiology and Radiotherapy Research Program Seminar** SHM I-304  
*Genetic Analysis of Simian Virus 40 Receptor Usage*  
Thomas Magaldi  
[Learn More >>](#) (PDF)

**April 5; 12:30 PM**  
**Pathology Grand Rounds**  
Fitkin Amphitheater  
*Molecular Advances in GYN Pathology: Screening for Hereditary Syndrome*  
Monica Morrow, MD, FACS  
[Learn More >>](#) (PDF)

**April 8; 6:00 PM**  
**Yale Cancer Center Answers**  
WNPR  
*Smilow Cancer Hospital Network*  
Anne Chiang, MD  
[Learn More >>](#)

Hallie Wimberly, Leigh C. Murphy, Bruce Haffty, David Rimm  
Poster Section 25

**Monday, April 2; 8:00 AM - 12:00 PM; Hall F**

*Targetome profiling and genetic association analyses implicate miR-202 in follicular lymphomagenesis*

Aaron E. Hoffman, Ran Liu, Tongzhang Zheng, Alan Fu, Frank Slack, Yong Zhu  
Poster Section 23

**Monday, April 2; 1:00 - 5:00 PM; Hall F**

*Triapine sensitizes ovarian cancer cells to platinum drugs and PARP inhibitors*

Z. Ping Lin, Elena S. Ratner, Alan C. Sartorelli  
Poster Section 29

*Genetic association analysis of the AMP dependent protein kinase complex and NHL risk*

Aaron E. Hoffman, Kathryn C. Demanelis, Tongzhang Zheng, Yong Zhu  
Poster Section 23

*Characterization of the effects of PLX4720 in the immunocompetent BRAF/PTEN mouse melanoma model*

Alexander Marzuka, Marcus Bosenberg  
Poster Section 31

**Tuesday, April 3; 8:00 AM - 12:00 PM; Hall F**

*Paclitaxel selects and enriches for CD44+/MyD88+ ovarian cancer stem cells*

Ayesha B. Alvero, Vinicius Craveiro, Jennie Holmberg, Yang Yang, Gil Mor  
Poster Section 18

*Circulating sEGFR arises through a fibronectin/integrin-regulated proteolytic cleavage event: Analogy to HER2 shedding?*

Jason A. Wilken, Marianela Perez-Torres, Rene Nieves-Alicea, Elsa M. Cora, Trace A. Christensen, Andre T. Baron, Nita J. Maihle  
Poster Section 23

*Quantitative analysis of microRNAs by in situ hybridization reveals prognostic value of miRNAs in melanoma and breast cancer*

Jason A. Hanna, Hallie Wimberly, Salil Kumar, Seema Agarwal, David L. Rimm  
Poster Section 23

*Stem cell-associated gene Lin-28B genotype and phenotype in epithelial ovarian cancer and their associations with disease*

**April 10; 12:00 PM  
Yale Cancer Center Grand Rounds**

55 Park Street  
Dr. Joseph R. and Nancy Bove  
Transfusion Medicine Visiting  
Professorship  
*Enhancing T Cell Therapies for  
the Treatment of Cancer*  
Cliona Rooney, PhD  
[Learn More >>](#) (PDF)

**March 12; 8:00 AM  
Schwartz Center Rounds**

55 Park Street  
*No Good Deed Goes Unpunished*  
[Learn More >>](#) (PDF)

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**New Faculty Recruits  
(May 2009 - Present)**

**Alexander Au**  
*Plastic Surgery*

**Anees Chagpar**  
*Surgical Oncology*

**Sandy Chang**  
*Lab Medicine*

**Anne Chiang**  
*Medical Oncology*

**Lieping Chen**  
*Immunobiology*

**Deborah Chirnomas**  
*Pediatric Oncology*

**Joseph Contessa**  
*Therapeutic Radiology*

**Shari Damast**  
*Therapeutic Radiology*

**Suzanne Evans**  
*Therapeutic Radiology*

**Leonard Farber**  
*Medical Oncology*

**Bonnie Gould Rothberg**  
*Medical Oncology*

**Valentina Greco**  
*Genetics*

*survival outcomes*

Lingeng Lu, Dionyssios Katsaros, Harvey Risch, Herbert Yu  
Poster Section 24

**Tuesday, April 3; 1:00 - 5:00 PM; Hall F**

Ultrasmall gadolinium-loaded polymer nanoparticles for imaging in glioblastoma

Benjamin Himes, Jiangbing Zhou, Toral Patel, Daniel Coman, Fahmeed Hyder, Mark Saltzman  
Poster Section 14

*Hypoxia-induced BRCA1 phosphorylation and degradation*

Yuhong Lu, Peter Michael Glazer  
Poster Section 1

*Redirecting the endogenous immune response against prostate cancer using an antibody-recruiting small molecule*

Andrew X. Zhang, Christopher J. Hoimes, Ryan P. Murelli, W. Mark Saltzman, David A. Spiegel  
Poster Section 34

*The function of histone demethylase RBP2 in breast cancer metastasis and drug resistance*

Jian Cao, Zongzhi Liu, Minghui Zhao, Don Nguyen, Qin Yan  
Poster Section 37

*Occupational exposure to benzene and leukocyte telomere length*

Bryan Bassig, Luoping Zhang, Richard Cawthon, Songnian Yin, Guilian Li, Stephen Rappaport, Wei Hu, Martyn T. Smith, Nathaniel Rothman, Roel Vermeulen, Qing Lan  
Poster Section 22

**Wednesday, April 4; 8:00 AM - 12:00 PM; Hall F**

*Identification of effective genotype-selective drug combinations in melanoma*

Matthew Held, Casey Langdon, James Platt, Tisheeka Steed, Ashok Chakraborty, Antonella Bachicocchi, Zongzhi Liu, Marcus Bosenberg, David F. Stern  
Poster Section 9

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## In the News

### Immune system turning on itself may trigger melanoma growth

A new study by researchers from Yale and Johns Hopkins reveals the molecular pathway by which the body's inflammatory immune response may trigger its own inhibition, protecting tumor cells from destruction and allowing the growth of melanoma - the deadliest form of skin cancer. The study

**Stephanie Halene**  
*Hematology*

**Roy Herbst**  
*Medical Oncology*

**Howard Hochster**  
*Medical Oncology*

**Erin Hofstatter**  
*Medical Oncology*

**Nina Horowitz**  
*Surgical Oncology*

**Michael Hurwitz**  
*Medical Oncology*

**Iris Isufi**  
*Hematology*

**Benjamin Judson**  
*Otolaryngology*

**Jennifer Kapo**  
*Geriatrics*

**Peter Koo**  
*Medical Oncology*

**Alfred Lee**  
*Hematology*

**Arthur Levy**  
*Medical Oncology*

**Miguel Materin**  
*Ophthalmology*

**Daniel Morgensztern**  
*Medical Oncology*

**Don Nguyen**  
*Pathology*

**Abhijit Patel**  
*Therapeutic Radiology*

**Nikolai Podoltsev**  
*Hematology*

**Katie Politi**  
*Pathology*

**John Roberts**  
*Medical Oncology*

**Tara Sanft**  
*Medical Oncology*

**Peter Schulam**  
*Urology*

currently appears in Science Translational Medicine.

Although it occurs less often than other skin cancers, melanoma causes the majority of skin cancer deaths. It is often curable in its early stages, but once it has spread invasively, it is very difficult to treat.

Led by Lieping Chen, Co-Director of the Yale Cancer Center Cancer Immunology Research Program, the researchers focused on a specific immune-inhibiting molecule in melanoma tumors known as B7-H1. They found that in patients whose tumors expressed B7-H1, suppression of the inflammatory immune response promoted the growth and aggressiveness of their melanoma tumors.

[Read More >>](#)

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## Notables

**Dr. Ronald Salem** has been awarded the 2011 **Leffell Prize for Clinical Excellence** at Yale School of Medicine. Each year, the award recognizes a faculty member who best exemplifies clinical expertise, a commitment to teaching and the highest standards of care and compassion for patients. Dr. Salem has been a member of Yale Cancer Center and an oncology surgeon at Yale for over 20 years.

[Read More >>](#)

**Dr. Raymond Russell** recently presented at the **American College of Cardiology Annual Scientific Sessions**. The title of the talk was "Cellular basis of myocardial injury and left ventricular dysfunction with cancer chemotherapy."

**Dr. Maysa Abu-Khalaf** served as the guest editor for the November 2011 issue of **Current Cardiology Reviews** highlighting Cancer Therapy-Related Cardiotoxicity.

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## Employee Profile: Monica Fradkin

*The Employee Profile recognizes the diverse contributions made by Yale Cancer Center and Smilow Cancer Hospital staff have to meet our patient care, research, education, and outreach goals. The staff profiled are examples of the great work being done here, and the dedication and values we possess. To suggest someone to be profiled, please contact [Emily Fenton](#).*

**Fatma Shebl**  
*Epidemiology*

**Stacey Stein**  
*Medical Oncology*

**Matthew Strout**  
*Hematology*

**Narendra Wajapeyee**  
*Pathology*

**Qin Yan**  
*Pathology*

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## Submissions

Please submit your recent publication and grant announcements to:

**Renee Gaudette**  
Director, Public Affairs and Marketing

[renee.gaudette@yale.edu](mailto:renee.gaudette@yale.edu)

 Forward to a Friend



Oncology Nursing Education Coordinator, Monica Fradkin, RN, MPH, is responsible for the education of the oncology nurses within Smilow Cancer Hospital. Through planning and scheduling of oncology programs as well as hospital recommendations, Monica moves the education of the nurses forward in order to improve patient care.

Monica coordinates in-services, lunch & learns, and Journal Clubs to make sure everyone is on the same page. Oftentimes it is difficult to find a time when everyone is available, since Smilow is a 24/7 facility. Therefore, she must make use of technology to reach out to those that might not be able to attend the programs. Webinars and video conferencing are tools that she utilizes. These are especially helpful in reaching out to the new Smilow Cancer Hospital Cancer Care Centers and keeping them educated and informed. In addition, incorporating simulation into practice has been valuable for staff. Smilow nurses utilize simulation for chemotherapy administration and management as well as annual competency validation for chemotherapy recertification. It gives nurses a chance to practice different scenarios in a controlled setting and feedback is very positive.

"It is great to be a part of helping our nurses grow professionally, seeing them advance on the clinical ladder or go on to receive their certifications and then pass that knowledge onto patients. This job gives me the opportunity to work with all the different areas in Smilow, and the field is

constantly changing and advancing," said Monica.

Monica's supervisor, Catherine Lyons, RN, MS, Clinical Program Director of Smilow Cancer Hospital, commented, "Monica has changed the landscape of oncology staff education and development in Smilow. She is constantly striving for innovative ways to provide educational content in ways that are meaningful and memorable. We are lucky to have her as part of our leadership team."

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## Funding Opportunities

### **Breast Cancer Alliance Young Investigator Grant Program**

The Breast Cancer Alliance invites clinical doctors and research scientists who have been appointed to a position equivalent to Assistant Professor within three years of the appointment, and whose primary focus is breast cancer research, to apply for funding for the Young Investigator Grant. Grant applications will be available on the BCA website on May 4, 2012.

**Application Deadline: July 31, 2012**

[Learn More >>](#)

### **Breast Cancer Alliance Education/Outreach Grant Program**

The Breast Cancer Alliance offers grants to support programs directly related to outreach and case managerial breast cancer services, including education, counseling and mammograms for the uninsured/underserved. The programs must be located in mid to southern Connecticut and/or Westchester County, New York.

Grant applications will be available on the BCA website on May 4, 2012.

**Application Deadline: July 31, 2012**

[Learn More >>](#)

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## Recent Publications

### **Raising the bar for breast health care in the United States.**

Moran MS, Knobf MT.

Womens Health Issues. 2012 Mar;22(2):e129-33.

[Learn More >>](#)

**Q Histone ubiquitination and deubiquitination in transcription, DNA damage response, and cancer.**



Cao J and Yan Front. Oncol. 2:26. doi:  
10.3389/fonc.2012.00026

[Learn More >>](#)

**EGFR/HER-targeted therapeutics in ovarian cancer.**

Wilken JA, Badri T, Cross S, Raji R, Santin AD, Schwartz P,  
Branscum AJ, Baron AT, Sakhitab AI, Maihle NJ.  
Future Med Chem. 2012 Mar;4(4):447-69.

[Learn More >>](#)

**Endothelial-derived neuregulin is an important mediator of  
ischaemia-induced angiogenesis and arteriogenesis.**

Hedhli N, Dobrucki LW, Kalinowski A, Zhuang ZW, Wu X,  
Russell RR 3rd, Sinusas AJ, Russell KS.  
Cardiovasc Res. 2012 Mar 1;93(3):516-24. Epub 2011 Dec 26.

[Learn More >>](#)

**Profound Depletion of Host Conventional Dendritic Cells,  
Plasmacytoid Dendritic Cells, and B Cells Does Not  
Prevent Graft-versus-Host Disease Induction.**

Li H, Demetris AJ, McNiff J, Matte-Martone C, Tan HS,  
Rothstein DM, Lakkis FG, Shlomchik WD.  
J Immunol. 2012 Mar 14.

[Learn More >>](#)

**Occupational solvent exposure, genetic variation of DNA  
repair genes, and the risk of non-Hodgkin's lymphoma.**

Jiao J, Zheng T, Lan Q, Chen Y, Deng Q, Bi X, Kim C, Holford  
T, Leaderer B, Boyle P, Ba Y, Xia Z, Chanock SJ, Rothman N,  
Zhang Y.  
Eur J Cancer Prev. 2012 Mar 17.

[Learn More >>](#)

**Venous thromboembolism risk factors in breast cancer  
patients undergoing deep inferior epigastric perforator  
flap reconstruction.**

Craig ES, Walker ME, Fusi S.  
Microsurgery. 2012 Mar 22.

[Learn More >>](#)

**Transcervical Double Mandibular Osteotomy Approach to  
the Infratemporal Fossa.**

Judson BL, Adam S, Lowlicht R, Bulsara KR.  
World Neurosurg. 2011 Dec 13.

[Learn More >>](#)

**Lifestyle interventions for cardiovascular risk reduction in**

**women with breast cancer.**

Knobf, MT, Coviello, J.  
Curr Cardiol Rev 7(4), 250-257, 2011.

**Anthracycline cardiotoxicity: Prevalence, pathogenesis and treatment.**

Volkova M, Russell R.  
Curr Cardiol Rev 7(4): 214-220, 2011.

**Cardiotoxicity of molecularly targeted agents.**

Hedhli N, Russell KS.  
Curr Cardiol Rev 7(4): 221-233, 2011.

**Clinical vignettes: Integrated care of cancer patients by oncologists and cardiologists.**

Hofstatter E, Saadati H, Russell K, Russell R.  
Curr Cardiol Rev 7(4): 258-261, 2011.