April 20, 2018

Announcements

AACR Presentations
Earlier this week, members of Yale Cancer Center presented exciting advancements and developments from our labs and clinical research advances at the American Association for Clinical Research annual meeting. The following presentations were made from Yale:

*Phase I study of TAS-114 in combination with capecitabine in patients with advanced solid tumors*
Author: Pat LoRusso

*Olaparib combinations (OLAPCO) for homology-directed DNA repair defects (HDR)*
Authors: Paul Eder, Ranjit Bindra, Brian Shuch, Jeffrey Sklar, Juliane Juergensmeier

*Simultaneous measurement and significance of PD-1, LAG-3 and TIM-3 expression in human solid tumors*
Authors: Micaela Morgado, Ila Datar, Jun Wang, Miguel Sanmamed, Lieping Chen, David Rimm, Roy S. Herbst, Kurt Schalper

*A multi-institutional study to evaluate automated scoring of immunohistochemistry slides for assessment of programmed death-ligand 1 (PD-L1) expression in non-small cell lung cancer*
Author: David Rimm

*The hypoxic tumor microenvironment in vivo selects the tumor cells with cancer stem cell characteristics and increased resistance against genotoxic stresses*
YIV906 (PHY906) enhanced the antitumor activity of immune checkpoint blockade therapy: Anti-PD1 against liver cancer
Authors: Wing Lam, Xiaoyong Yang, Zhirong Jiang, Xue Han, Fulan Guan, Wei Cheng, Lieping Chen, Yung-Chi Cheng

A DNA-damaging lupus autoantibody synergizes with PARP inhibitors against DNA repair-deficient tumor cells
Authors: Zahra Rattray, Philip Noble, James Hansen

Diosgenin inhibits the proliferation of MCF-7 breast cancer cells through the demethylation of miR-145 gene
Authors: Fengqin Shi, Lingeng Lu

CREB is required for KRAS-driven lung tumorigenesis
Authors: Jong Lee, Roy S. Herbst, Peter Koo

High-plex immune marker spatial profiling quantitation by NanoString Digital Spatial Profiling technology and quantitative immunofluorescence
Authors: Maria I. Toki, Pok Fai Wong, Harriet Kluger, Yuting Liu, David Rimm

Quantitative assessment of tumor-infiltrating lymphocytes and immunotherapy outcome in metastatic melanoma
Authors: Pok Fai Wong, James Smithy, Kim Blenman, Harriet Kluger, David Rimm

SAUCIE: Sparse autoencoder for unsupervised clustering, imputation, and embedding
Matthew Amodio, Krishnan Srinivasan, David van Dijk, Hussein Mohsen, Kristina Yim, Rebeca Muhle, Kevin Moon, Ruth Montgomery, James Noonan, Guy Wolf, Smita Krishnaswamy

Spatiotemporal quantification of tumor-associated tertiary lymphoid structures in murine lung adenocarcinoma
Authors: Mursal Nader, Nikhil Joshi

Connecticut Magazine Highlights Doctors
Connecticut Magazine has named 77 Yale Cancer Center and Smilow Cancer Hospital physicians and surgeons to its 2018 Best Doctors guide. Published in the magazine's April issue, the
Best Doctors list consists of 779 Connecticut physicians from 78 medical specialties.
Learn More >>

Impact of HPV CME Symposium
Our Waterford Care Center will host a CME Symposium on the Impact of HPV on Head and Neck and Cervical Cancers on Thursday, April 26, at Lawrence + Memorial Hospital. Yale Cancer Center's Dr. Barbara Burtness and Dr. Elena Ratner will present at the dinner course, hosted by Dr. Jane Kanowitz. Register to join this free dinner event.
Learn More >>

Yale Research Data Support Initiatives Group
Yale Faculty are urged to take a few minutes to complete a short survey of research data management practices by faculty. The survey will help the university understand current practices involving research data, assess the campus need for research data management, identify potential gaps in existing services, and help inform planning and resource allocation. Please take the time to share your feedback.
Complete survey >>

Notables
Dr. Alfred Lee, Associate Professor of Medicine (Hematology) and Associate Program Director for the Internal Medicine Traditional Residency Program, is the recipient of the 2018 Inspiring Yale Award for the Yale School of Medicine. Dr. Lee was honored during an event with Dr. Francis Collins on April 11 for his inspiration to Yale medical students, and for his commitment to mentoring.

A team of Yale Cancer Center investigators led by Roy Herbst, MD, PhD, has been awarded the 2018 Team Science Award from the Association for Clinical and Translational Science (ACTS) for its pioneering work in advancing our understanding of Immunotherapy. The ACTS team science award recognizes the efforts of interdisciplinary teams in the translation of research discoveries into clinical applications and eventually widespread clinical practice.

The American Health Council recently selected Denise Bell, BA, ADN, BSN, MPH to its Board of Nurses for her outstanding work with Center and Smilow Cancer Hospital physicians as 'Best Doctors'
contributions to the nursing field. Denise is an infusion nurse at Smilow Cancer Hospital.

Harvey Risch, MD, PhD, Professor of Epidemiology, will be highlighted by the AACR for his 2016 publication, Aspirin Use and Reduced Risk of Pancreatic Cancer, in AACR’s Best of the AACR Journals Collection.

Development Update

Yale Cancer Center and Smilow Cancer Hospital joined attendees at the Gala for a Cure on March 3 at Woodwinds in Branford, hosted by the Melissa Marottoli Hogan Foundation and the Marottoli family. Funds raised at the Gala benefit clinical and translational research in immunotherapy and research in thoracic oncology at Smilow Cancer Hospital.

Employee Profile: Laura Tuttle

For Advanced Lung Cancer, Immune Therapy Plus Chemo Prolongs Survival

Read More >>

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Latest Posts:

The Breast Center at Smilow Cancer Hospital was recently the recipient of $17,000 from Big Y World Class Market 11th Annual Partners of Hope Campaign which promotes the importance of breast cancer screening, education and treatment.

Read More >>

Mary Lynne is no stranger to ovarian cancer. Her mother had died from the disease in her seventies, and because of this family history, Mary Lynne pushed for early screening tests from her doctor, which ultimately...
What Laura Tuttle, Clinical Pharmacist II at the Smilow Care Center at Waterbury, enjoys most about her job is being able to provide life-saving treatments to patients, while also offering supportive care. She is responsible for reviewing all chemotherapy orders and medications to make sure they are appropriate for the diagnosis, a patient’s health status, and monitors for any drug interactions.

Working alongside the physicians and the APRN’s, Laura helps patients manage side effects so that they can continue to receive treatment. “We work to balance the side effects from chemotherapy in order to increase efficacy as much as possible, while reducing toxicity. Many patients are undergoing challenging treatment regimens, and I enjoy being able to optimize care for them,” said Laura. “There is a lot of experience at our Care Center and we all work together with one goal in mind; benefiting our patients.”

Laura has been at the Care Center in Waterbury for a year and commented that the smaller setting enables her to build a rapport with her patients and better establish her role within their care. Roberta Sterling, RN, MSN, MPH, Clinical Program Manager for the Smilow Network, commented, “Laura is an invaluable member of the Waterbury team. She is meticulous in her verification processes and analytical in her thinking, always with the patient at the center of her focus every day.”

Funding Opportunities

**SPORE in Lung Cancer Program Awards**

**Developmental Research Program:** To provide seed money to investigators to support studies with a strong translational component that have the potential to evolve into, or be incorporated into, a full Yale SPORE in Lung Cancer project.

**Career Development Program:** To educate the next generation of investigators committed to translational research in lung cancer.

led to her own ovarian cancer diagnosis. Fortunately, Mary Lynne was referred to Dr. Alessandro Santin, a gynecologic oncologist at Smilow. Dr. Santin was able to design an individualized

Is it just a sore throat? A persistent hoarse raspiness? A mouth sore that just won't heal? Why take a chance?

More than 50,000 people are diagnosed with an oral, head and neck cancer in the US every year. Sign up today for a FREE 5-minute checkup on April 26, 4:30-6:30pm at Park Avenue Medical Center in Trumbull. Register toll-free at 888-357-2409; walk-ins are also welcome!

**FREE Head and Neck Cancer Screenings**

Sign up for a FREE 5-minute checkup from the neck up!
April 26, 4:30 - 6:30 pm

sign up today at 888-357-2409
Walk-ins are welcome at 888-357-2409

Dietitians at Smilow Cancer Hospital recommend giving your diet a spring cleaning by trying this nutrient rich vegetable stir fry. It's loaded with vitamins,
Application Deadline: April 27, 2018  
Learn More >>

Elsa U. Pardee Foundation  
The Foundation encourages grant applications for a one year period which will allow establishment of capabilities of new cancer researchers, or new cancer approaches by established cancer researchers.  
Application Deadline: April 30, 2018  
Learn More >>

AACR and AstraZeneca Novel Industry Training Fellowships  
AACR announces the launch of a new partnership with AstraZeneca and its global biologics research and development arm, MedImmune, to help foster the next generation of cancer research scientists and stimulate innovative research in the areas of DNA Damage Response in cancer (DDR) and Immuno-Oncology (IO).  
Application Deadline: May 4, 2018  
Learn More >>

CaSB@Yale Pilot Grant  
CaSB@Yale is pleased to announce the competition for a Pilot Grant for the year of 2018-2019. We are soliciting applications from Yale researchers who will pursue either independent projects or collaborative work with one or more CaSB@Yale labs.  
Application Deadline: May 4, 2018  
For more information email Meredith.Morrow@yale.edu

NIH Administrative Supplements for Research on Sexual and Gender Minority Populations  
The NIH Office of the Director announces the availability of administrative supplements to expand existing research to focus on Sexual and Gender Minority (SGM) health.  
Application Deadline: May 7, 2018  
Learn More >>

Rivkin Center for Ovarian Cancer Bridge Funding Award  
Bridge Funding allows researchers to produce data needed to substantiate their proposal resubmission to federal funding agencies for a promising new research project.

antioxidants, fiber and flavor!

Spring cleaning diet
Vegetable stir fry

Follow Yale Cancer Center on Twitter

Latest Tweets:

Onotype DX is used to guide chemotherapy decisions for patients with early stage breastcancer. #Research led by Shi-Yi Wang and @cpgYALE has uncovered misleading conclusions about the cost-effectiveness of the test results.

Immunotherapy breakthrough for lung cancer, the biggest cancer killer

Honored to be discussing lung cancer abstracts with my colleagues today @AACR meeting today in Chicago. Great progress in lung cancer treatment with immunotherapy agents alone and in combination.

Dr. Hoon Kim along with Dr. Peter Glazer and Dr. Zhong Yun presents research at this year's @AACR annual meeting.
Brain Tumor Funders’ Collaborative Funding Opportunity: Immunotherapy for Primary Human Brain Tumors

The BTFC is requesting proposals on the role of the neuro-immune system in the origin and progression of the immune responses in primary human brain tumors with the hope of developing immunotherapies for treatment of these tumors in patients.

Application Deadline: May 11, 2018
Learn More >>

Yale Cancer Innovation Awards

YCC is requesting individual or team proposals for projects that have direct relevance to cancer research. This program is designed to support projects with the potential to significantly impact our understanding of and/or approaches to the prevention, diagnosis, or treatment of cancer.

Notification of Intent: May 21, 2018
Application Deadline: June 18, 2018
Learn More >>

Multiple Myeloma Research Foundation Research Fellow Award Program

The MMRF seeks proposals for the 2018 Research Fellow Award Program, an initiative supporting researchers at the post-doctorate/medical fellow or junior faculty levels working under the supervision or guidance of a research mentor in the multiple myeloma field.

Application Deadline: May 25, 2018
Learn More >>

Epidemiologic Research on Emerging Risk Factors and Liver Cancer Susceptibility - R01

The purpose of this FOA is to promote epidemiologic research investigating novel and innovative hypotheses on emerging risk factors and their interplay with established risk factors associated with the development of liver cancer in the United States.

Application Deadline: June 5, 2018
Learn More >>
NIH End-of-Life and Palliative Care Health Literacy: Improving Outcomes in Serious, Advanced Illness-R01/R21
This FOA seeks to stimulate research focused on identification of the key barriers to effective end-of-life and palliative care (EOLPC) health literacy in diverse settings and populations.

Application Deadline: June 5, 2018
Learn More >>

NIH Biology of Lung, and Head and Neck Preneoplasias-R01/R21
This Funding Opportunity Announcement (FOA) seeks applications investigating mechanistic and biological aspects of preneoplasia leading to lung, and head and neck (HN) cancers.

Application Deadline: June 5, 2018
Learn More >>

NIH Food Specific Molecular Profiles and Biomarkers of Food and Nutrient Intake, and Dietary Exposure-R01
The purpose of this FOA is to promote research on food specific molecular signatures and biomarkers of dietary consumption and to promote collaborative interactions among NIH and the USDA-NIFA supported nutrition researchers.

Application Deadline: June 11, 2018
Learn More >>

U.S. Tobacco Control Policies to Reduce Health Disparities - R21 and R01
The purpose of this FOA is to support observational or intervention research focused on reducing health disparities in tobacco use in the United States.

Application Deadline: June 13, 2018
Learn More >>

Epidemiologic Research on Emerging Risk Factors and Liver Cancer Susceptibility - R21
The purpose of this FOA is to promote epidemiologic research investigating novel and innovative hypotheses on emerging risk factors and their interplay with established risk factors associated with the development of liver cancer in the United States.

Application Deadline: June 16, 2018
Learn More >>

Calendar

Connecticut Tri-Institutional Stem Cell Research Retreat 2018
April 20; 9AM
West Campus Welcome Center
Haifan Lin, PhD and Diane S Krause, MD, PhD
Learn More >>

Yale Cancer Answers
April 22; 7:30PM
WNPR
Treatment Decision Making Using Oncology Pathways
Kerin Adelson, MD
Learn More >>

Radiobiology and Radiotherapy Research Program
April 23; 11AM
SHM I-304
Nanoparticle Chemo / Radiosensitizers for Brain Tumors: Ready for Prime Time
Ranjit S Bindra, MD, PhD and W. Mark Saltzman, PhD
Learn More >>

MB&B Seminar
April 23; 4PM
Bass, 305
Ubiquitylation at the Nucleosome: How BRCA1 / BARD1 Regulates Gene Transcription
Rachel Klevit, PhD
Learn More >>
NIH Exploratory Grants in Cancer Epidemiology and Genomics Research-R21
This FOA invites applications for research on cancer epidemiology, genomics, and risk assessment.
**Application Deadline:** June 16, 2018
Learn More >>

NIH Diet and Physical Activity Assessment Methodology-R21
This Funding Opportunity Announcement (FOA) encourages innovative research to enhance the quality of measurements of dietary intake and physical activity.
**Application Deadline:** June 16, 2018
Learn More >>

NIH Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research-R21
This FOA represents the continuation of an NCI program to enhance the diversity of the pool of the cancer research workforce.
**Application Deadline:** June 19, 2018
Learn More >>

Research Answers to NCI's Provocative Questions - R21 and R01
The purpose of this FOA is to support research projects designed to solve specific problems and paradoxes in cancer research identified by the NCI Provocative Questions initiative.
**Application Deadline:** June 29, 2018
Learn More >>

Recent Publications

Therapeutic Potential of Gene-Modified Regulatory T Cells: From Bench to Bedside.
Chae WJ, Bothwell ALM.
Read More >>

Clinical Features and Management of Acquired Resistance to PD-1 Axis Inhibitors in 26 Patients With Advanced Non-Small Cell Lung Cancer

YCC Grand Rounds
**April 24; 12PM**
55 Park Street
State of Yale New Haven Hospital and Health System
Richard D'Aquila, MPH and Thomas Balcezak, MD
Learn More >>

Grand Rounds for Non-Clinicians
**April 25; 12PM**
55 Park Street
Not So Fun in the Sun: What Everyone Should Know About Melanoma
Jonathan Leventhal, MD
Learn More >>

Medical Grand Rounds/Samuel O. Thier Lecture
**April 26; 8:30AM**
LMP1094
What Do Long Term Trends in American Health Care Financing Tell Us About Future Reform
Troyen Brennan, MD, MPH
Learn More >>

Section of Hematology & YCCEH Seminar
**April 26; 12PM**
Hope 216
Risk Adapted Transplantation, Cell and Immune Therapy for ALL: Changing our Paradigms
Michael Pulsipher, MD
Learn More >>

Pathology Grand Rounds
**April 26; 12:30PM**
LMP 1094
Renal Neoplasms with Clear Cell Features: Morphologic, Molecular and Clinical Correlates
Victor E. Reuter, MD
Learn More >>
Read More >>

Allogeneic hematopoietic cell transplantation following the use of hypomethylating agents among patients with relapsed or refractory AML: Findings from an international retrospective study.
Read More >>

Surviving travel or travelling to survive: the association of travel distance with survival in muscle invasive bladder cancer.
Kim AH, Kim SP.
Read More >>

Monitoring InBaskets With Feedback to Providers Enhances the Timeliness of Patient Care.
Trant AA, Strait M, Kaplan R, Dest V, Roshka A, Lyons CA, Vest KA, Steffen T, Chiang A, Adelson KB.
Read More >>

Evaluation of ground glass nodules.
Mironova V, Blasberg JD.
Read More >>

Multikinase inhibitor sorafenib induces skin toxicities in tumor-bearing mice.
Read More >>

Radiology & Biomedical Imaging Grand Rounds Lecture
April 26; 12:30PM
TAC 107
The Science and Practice of Image Based Screening Radiologist Leadership Opportunities
Linda B. Haramati, MD
Learn More >>

Yale SPORE in Lung Cancer Symposium
April 26; 1PM
Beaumont Room
Career Development and Developmental Research Programs
Roy Herbst, MD, PhD
Learn More >>

Smilow Cancer Genetics and Prevention Program Seminar
April 26; 2:30PM
SRC, suites 107-109
Learn More >>

SCH/YCC Free Head and Neck Cancer Screenings
April 26; 4:30PM
Park Avenue Medical Center
Learn More >>

YCC/CME Presentation
April 26; 5PM
L+M, Baker Auditorium
Defining the Impact of HPV on Cervical and Head & Neck Cancers
Jane Kanowitz, MD, Barbara Burtness, MD and Elena Ratner, MD
Learn More >>

Yale Cancer Answers
April 29; 7:30PM
WNPR
Characterization of Cell Membrane Extensions and Studying Their Roles in Cancer Cell Adhesion Dynamics.
Brown TC, Nicolson NG, Cheng J, Korah R, Carling T.
J Vis Exp. 2018 Mar 26;(133).
Read More >>

KLRG1+ Effector CD8+ T Cells Lose KLRG1, Differentiate into All Memory T Cell Lineages, and Convey Enhanced Protective Immunity.
Read More >>

Targeting Tissue Factor for Immunotherapy of Triple-Negative Breast Cancer Using a Second-Generation ICON.
Read More >>

Synthesized Mammography: Clinical Evidence, Appearance, and Implementation.
Durand MA.
Diagnostics (Basel). 2018 Apr;8(2).
Read More >>

Testicular Cancer Awareness Month
Preston Sprenkle, MD
Learn More >>

Radiobiology and Radiotherapy Research Program
April 30; 11AM
SHM 1-304
Live Cell Dynamics of Homology-directed DNA Double Strand Break Repair in Fission Yeast
Amanda Vines
Learn More >>

SCH/YCC Free Head and Neck Cancer Screenings
April 30; 4:30PM
New London Community Meal Center
Learn More >>

Pathology Research in Progress Talks
May 1; 9:30AM
TAC N-107
Learn More >>

YCC Grand Rounds
May 1; 12PM
55 Park Street
Learn More >>

Radiology & Biomedical Imaging Grand Rounds/Boroff-Forman Lecture
May 3; 12:30PM
TAC N-107
The Future of Radiology: Key Drivers for the Next 5 Years
James Brink, MD
Learn More >>

Pathology Grand Rounds
May 3; 12:30PM
LMP 1094
Identification of Women At Risk for Endometrial Cancer Recurrence
Russell Broaddus, MD, PhD
Learn More >>

Smilow Cancer Genetics and Prevention Program Seminar
May 3; 2:30PM
SRC, suites 107-109
Learn More >>

Yale Climate Day
May 4; 9AM
Peabody Museum
A Campuswide Climate Summit
Learn More >>

Immunobiology Research in Progress Seminar
May 4; 3:30PM
Hope 110
Christopher Guzman and Mei El Gindi
Learn More >>

Employment
Biostatistics Shared Resource (BSR)
Drop-In Office Hours WWW213

Biostatistics
Dr. Wei Wei
Thursdays - 9am-1pm
Fridays - 9am-5pm

Bioinformatics
Drs. Yong Kong and Ying Zhu
Fridays - 1pm-5pm

Submissions
Please submit your recent publication and grant announcements to:
renee.gaudette@yale.edu