

UCSF HELEN DILLER FAMILY COMPREHENSIVE CANCER CENTER

American Society of Clinical Oncology Annual Meeting



June 2-6, 2017 Chicago, IL UCSF Presentation Brochure **UCSF** Helen Diller Family Comprehensive Cancer Center



Alan Ashworth, PhD, FRS

President, UCSF Helen Diller Family Comprehensive Cancer Center

Senior Vice President for Cancer Services, UCSF Health

Professor of Medicine, Division of Hematology/ Oncology, Department of Medicine

Committed to Advancing Development of Improved Cancer Therapies, Imaging Modalities, and Biomarkers

As president of the UCSF Helen Diller Family Comprehensive Cancer Center, one of my key priorities is to initiate and advance programs that are developing new anticancer drugs making significant impact on helping cancer patients live longer and better lives. I recognize this goal is best accomplished by working in partnership with the broader life science industry. This searchable abstract book of UCSF research presented at ASCO is a resource for potential partners interested in identifying world-class faculty engaged in clinical oncology research.

As an NCI-designated comprehensive cancer center, UCSF is recognized for our outstanding science, extensive resources, depth and breadth of our research in basic, clinical, and/or population sciences, as well as cutting edge research that bridges these scientific areas. Practically this means that our clinicians and basic scientists work closely together to (1) identify, develop and optimize novel therapeutics for biological efficacy and clinical utility, (2) assess tumor status and responsiveness to current therapies, (3) develop biomarkers for patient stratification and therapeutic response and (4) advance supportive care options to mitigate the toxicities associated with chemotherapy.

As is evident from the breadth and depth the research being presented at this year's ASCO, UCSF is home to many of world's finest oncology scientists and clinicians. I invite you learn more about our work and expertise by reaching out to our faculty. If you have any additional questions or need any assistance with your outreach, please contact the Director of Strategic Alliances for the Cancer Center: Cammie Edwards (cammie.edwards@ucsf.edu).

Wishing you a very productive meeting and we look forward to future discussions and collaborations.

Alan Ashworth, PhD, FRS President, UCSF Helen Diller Family Comprehensive Cancer Center

Designated Comprehensive Cancer Center

A Designated NCI Comprehensive Cancer Center Since 1999

The "comprehensive" designation—NCI's highest ranking, awarded only after a rigorous evaluation process—recognizes UCSF's excellence in basic research, clinical research, population based research, outreach and education, and our ability to integrate these diverse research approaches to cancer and turn them into clinical practice.



Our Success is Driven by Our Faculty

HDFCCC Membership: 428 Members & Affiliate Members

- 2 Nobel Laureates
- 3 Albert Lasker Award winners
- 8 Howard Hughes Medical Investigators
- 16 Members of the National Academy of Sciences
- 20 Members of the Institute of Medicine
- 22 Fellows of the American Academy of Arts and Sciences
- 6 Fellows of the Royal Society

Working Together Advancing the Understanding and Treatment of Cancer

Multi-Disciplinary Research Programs

- Breast Oncology
- Cancer Control
- Cancer Genetics
- Cancer Immunology
- Developmental Therapeutics

- Hematopoietic Malignancies
- Neurologic Oncology
- Pediatric Malignancies
- Prostate Cancer
- Tobacco Control

Multi-Disciplinary Clinical Programs

- GU Oncology (non Prostate)
- GI (includes Pancreas Cancer)
- Thoracic Oncology
- Cutaneous Oncology
- Head and Neck Cancer

- Sarcoma
- Endocrine
- Gynecologic Oncology
- Breast Oncology
- Prostate Cancer

Key Initiatives

- Precision Imaging of Cancer and Therapy
- Cancer Immunotherapeutics
- Global Oncology
- Center for BRCA Research

- UCSF 500
- Cell Engineering
- Target Validation Initiative
- The San Francisco Cancer Initiative (SF CAN)

Advancing the Next Wave of Cancer Treatment Breakthroughs

Whether it is pioneering novel clinical trial designs; discovering, developing, and bringing to the clinic revolutionary treatments such as immunotherapies; or harnessing the power of big data to drive faster, personalized, and more effective cures, UCSF leads in advancing the next wave of cancer treatment breakthroughs. With a culture of collaboration, a commitment to excellence, and access to cutting-edge laboratory and clinical technologies, UCSF faculty work tirelessly to improve clinical outcomes for cancer patients everywhere.





Core Capabilities Supporting Our Programs

- Biostatistics
- Clinical Research Support
- Genome Analysis
- Laboratory for Cell Analysis
- Immunohistochemistry & Molecular Pathology
- Mouse Pathology
- Preclinical Therapeutic Testing
- Bio-specimen Banking
- Tobacco Biomarkers
- Bioinformatics
- Computational Biology

Approximately one-quarter of the University's ~2,200 full-time faculty members work in cancer research or cancer care.

UCSF consistently ranks among the top U.S. biomedical research organizations in cancer-specific federal funding. In 2016, UCSF received more than \$92M from the National Cancer Institute. UCSF faculty have a long history of working with industry partners translating discoveries into products that ultimately improve patient care. We are experienced in establishing and executing on a wide range of successful partnerships. If you are interested in learning more about working with the HDFCCC and its faculty, please contact:

Cammie Edwards, PhD Director of Strategic Alliances, HDFCCC cammie.edwards@ucsf.edu



- On average, UCSF has 200-300 new invention disclosures per year
- An estimated 90 life science start-up companies have been spawned from the University's labs, including Genentech, Chiron, and Intellikine
- Included among UCSF patents are top revenue producers, such as
 - Hepatitis B vaccine
- Yeast expression vector
- Bovine growth hormone
- Magnetic resonance imaging
- Barrier repair lipids

UCSF IN THE NEWS (Click on link to read story)

Eating Right and Exercising Could Reduce the Risk of Colon Cancer Recurrence http://cancer.ucsf.edu/news-2017-lifestyle

Scientists Identify Biomarkers to Guide Hormone Therapy for Prostate Cancer http://cancer.ucsf.edu/news-2017-biomarkers

SFCAN Helps the City Take Aim at Reducing Use of Flavored Tobacco Products http://cancer.ucsf.edu/news-2017-tobacco

In an Era of Precision Medicine, Testing New Approaches to Breast Cancer Screening http://cancer.ucsf.edu/news-2017-screening

Exploring Genomics' Gray Zone to Improve Cancer Treatment Options http://cancer.ucsf.edu/news-2017-genomics

3 UCSF Faculty Elected to the National Academy of Sciences for 2017 http://cancer.ucsf.edu/news-2017-nas

Presentations

*UCSF authors in bold

Friday, June 2:

Bone Modifying Agents for Treatment and Prevention

Authors*: Hope S Rugo

Abstract #: Abstract Link: Presentation Date/Time: Friday June 2, 1:40 PM - 2:00 PM Location: E354b Presentation Type: Extended Education Session Citation:

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

http://cancer.ucsf.edu/people/profiles/rugo_hope.3648

Are All Relapses the Same? When Do We Treat?

Authors*: Nina Shah

Abstract #: Abstract Link: Presentation Date/Time: Friday June 2, 3:45 – 4:05 PM Location: E354b Presentation Type: Extended Education Session Citation:

Shah Research Interests: Dr. Nina Shah is an expert in cellular therapy for multiple myeloma. She has developed a novel natural killer cell platform using umbilical cord blood and conducted a first-in-human clinical trial for cord blood derived natural killer cells in the setting of high dose chemotherapy and autologous stem cell transplantation. She is also interested in dendritic cell-based vaccines, adoptive T cell therapies and novel immunomodulatory combinations for myeloma.

http://cancer.ucsf.edu/people/profiles/shah_nina.8258

Liver-Limited Metastatic Neuroendocrine Cancer: Should We Stick with Systemic Therapy

Authors*: Emily Bergsland

Abstract #: Abstract Link: Presentation Date/Time: Friday June 2, 4:05 PM - 4:25 PM Location: S100a Presentation Type: Extended Education Session Citation:

Bergsland Research Interests: My research is focused on the development and testing of novel, biologically based therapies for gastrointestinal malignancies, with an emphasis on neuroendocrine tumors (NETs). I am Chair of the Neuroendocrine Tumor (NET) Task Force of the NCI Gastrointestinal Steering Committee, a NCCN Neuroendocrine Tumors Guidelines Panel member, and a member of the Board of Directors for the North American Neuroendocrine Tumor Society. I am also study chair for ALLIANCE A021202 (a randomized Phase II trial of pazopanib vs. placebo in patients with progressive carcinoid tumors). My current research focuses on assessing novel treatment strategies for both high and low grade neuroendocrine neoplasms, fostering several collaborations with laboratory-based colleagues, and taking advantage of a fully annotated outcomes database (established in 2010 and encompassing 800+ NET patients treated at UCSF since 2004).

http://cancer.ucsf.edu/gi/emily-bergsland

American Cancer Society (ACS) Nutrition and Physical Activity Guidelines after colon cancer diagnosis and disease-free (DFS), recurrence-free (RFS), and overall survival (OS) in CALGB 89803 (Alliance)

Authors*: Erin Van Blarigan, Charles S. Fuchs, Donna Niedzwiecki, Xing Ye, Sui Zhang, Mingyang Song, Leonard Saltz, Robert J. Mayer, Rex B. Mowat, Renaud Whittom, Alexander Hantel, Al Bowen Benson, Daniel M. Atienza, Michael J. Messino, Hedy L. Kindler, Alan P. Venook, Shuji Ogino, Walter C. Willett, Edward L. Giovannucci, Jeffrey A. Meyerhardt

Abstract #: 10006 Abstract Link: http://abstracts.asco.org/199/AbstView_199_193741.html Presentation Date/Time: Friday June 2, 5:00 PM - 5:12 PM Location: S102 Presentation Type: Oral Abstract Session (Patient and Survivor Care) Citation: J Clin Oncol 35, 2017 (suppl; abstr 10006)

Van Blarigan Research Interests: Dr. Van Blarigan's research is focused on the role of nutrition and physical activity in cancer survivorship. She has identified several potential associations between lifestyle behaviors and prostate and colon cancer survival in large prospective cohort studies. For example, her work has suggested that engaging in brisk walking and consuming certain foods (e.g., cruciferous vegetables) and related nutrients (e.g., vegetable fats) after diagnosis may deter or delay prostate cancer progression, while other foods (e.g., eggs, poultry with skin) and related nutrients (e.g., choline) may increase risk of cancer progression. Dr. Van Blarigan also has expertise conducting randomized controlled trials of lifestyle interventions among cancer survivors. For example, she is the PI of two randomized controlled trials with digital health interventions among colorectal cancer patients at UCSF (clinicaltrials.gov identifier NCT02966054 and NCT02965521).

http://cancer.ucsf.edu/people/profiles/vanblarigan_erin.5201

Saturday, June 3:

Primary Refractory Myeloma

Authors*: Thomas G. Martin

Abstract #: Abstract Link: Presentation Date/Time: Saturday June 3, 8:00 AM - 8:15 AM Location: E253ab Presentation Type: Cliniical Problems in Oncology Session Citation:

Martin Research Interests: Dr. Thomas Martin is a leading expert in hematological malignancies and has been the principal investigator (PI) on over 25 MM clinical trials. His clinical research also includes translational studies designed to address the genetics of MM, the role of the microenvironment as well as discovery of biomarkers for patient selection and response to anti-MM therapeutics.

http://cancer.ucsf.edu/research/multiple-myeloma/mmti/mmti_team#martin

Nut consumption and survival in stage III colon cancer patients: Results from CALGB 89803 (Alliance).

Authors*: Temidayo Fadelu, Donna Niedzwiecki, Sui Zhang, Xing Ye, Leonard Saltz, Robert J. Mayer, Rex B. Mowat, Renaud Whittom, Alexander Hantel, Al Bowen Benson, Daniel M. Atienza, Michael J. Messino, Hedy L. Kindler, Alan P. Venook, Shuji Ogino, Kimmie Ng, Edward L. Giovannucci, Jeffrey A. Meyerhardt, Ying Bao, Charles S. Fuchs

Abstract #: 3517 Abstract Link: http://abstracts.asco.org/199/AbstView_199_189653.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Gastrointestinal (Colorectal) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 3517)

Venook Research Interests: Dr. Alan Venook is an internationally renowned expert in colorectal and liver cancers at the UCSF Helen Diller Family Comprehensive Cancer Center. He is highly regarded for his expertise in the effective use of the newest approaches and therapies to the treatment of colorectal cancer as well as treating primary and metastatic tumors to the liver. Dr. Venook has led and/or authored six major studies within the cooperative groups and served as Chair of the GI Committee of the Alliance for Clinical Trials in Oncology (formerly CALGB) from 2010-2015.

http://cancer.ucsf.edu/people/profiles/venook_alan.3698

Statistical modeling of CALGB 80405 (Alliance) to identify influential factors in metastatic colorectal cancer (CRC) dependent on primary (10) tumor side.

Authors*: Leon Furchtgott, David Swanson, Boris Hayete, Iya Khalil, Diane Wuest, Kelly Rich, Andrew B. Nixon, Donna Niedzwiecki, Jeffrey A. Meyerhardt, Eileen Mary O'Reilly, Fang-Shu Ou, Heinz-Josef Lenz, Federico Innocenti, Alan P. Venook

Abstract #: 3528 Abstract Link: http://abstracts.asco.org/199/AbstView_199_184592.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Gastrointestinal (Colorectal) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 3528)

Venook Research Interests: Dr. Alan Venook is an internationally renowned expert in colorectal and liver cancers at the UCSF Helen Diller Family Comprehensive Cancer Center. He is highly regarded for his expertise in the effective use of the newest approaches and therapies to the treatment of colorectal cancer as well as treating primary and metastatic tumors to the liver. Dr. Venook has led and/or authored six major studies within the cooperative groups and served as Chair of the GI Committee of the Alliance for Clinical Trials in Oncology (formerly CALGB) from 2010-2015.

http://cancer.ucsf.edu/people/profiles/venook_alan.3698

Updated antitumor activity and safety of FPA144, an ADCC-enhanced, FGFR2b isoform-specific monoclonal antibody, in patients with FGFR2b+ gastric cancer.

Authors*: Daniel V.T. Catenacci, Sun Young Rha, Yung-Jue Bang, Zev A. Wainberg, Joseph Chao, Keun Wook Lee, Wolfgang Michael Korn, Yeul Hong Kim, Eun-Kee Song, Chang-Fang Chiu, Chia-Jui Yen, Jordan Berlin, Jin-Soo Kim, Robert S. Sikorski, Helen Collins, Lee Clark, Sandeep P. Inamdar, Charlie Zhang, Jeeyun Lee

Abstract #: 4067 Abstract Link: http://abstracts.asco.org/199/AbstView_199_194031.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Gastrointestinal (Noncolorectal) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 4067)

Phase I/II study of durvalumab and tremelimumab in patients with unresectable hepatocellular carcinoma (HCC): Phase I safety and efficacy analyses.

Authors*: Robin Kate Kelley, Ghassan K. Abou-Alfa, Johanna C. Bendell, Tae-You Kim, Mitesh J. Borad, Wei-Peng Yong, Michael Morse, Yoon-Koo Kang, Marlon Rebelatto, Mallory Makowsky, Feng Xiao, Shannon R. Morris, Bruno Sangro

Abstract #: 4073 Abstract Link: http://abstracts.asco.org/199/AbstView_199_182992.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Gastrointestinal (Noncolorectal) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 4073)

Kelley Research Interests: My research focuses on the early clinical development of new treatments and biomarkers in hepatocellular carcinoma and biliary tract cancers. I am the Study Chair for several multicenter investigator-initiated trials and PI for numerous industry-sponsored trials of novel therapeutic agents & combinations in advanced hepatobiliary cancer patients. In our practice, we consistently achieve high patient accrual and have a robust pipeline of new clinical trials in development. To advance future translational & epidemiology research in this complex/biologically-heterogeneous cancer family, I initiated the UCSF Hepatobiliary Tissue Bank & Registry. This bank and registry collects fresh & archival tumor tissue samples plus blood samples along with longitudinal clinical data from UCSF patients with hepatobiliary cancers. This successful bank has already contributed samples and/or data to multiple projects, including the NCI/NHGRI Cancer Genome Atlas (TCGA) liver and cholangiocarcinoma cohorts.

http://cancer.ucsf.edu/people/profiles/kelley_katie.3354

Precision medicine for gallbladder cancer using somatic copy number amplifications (SCNA) and DNA repair pathway gene alterations.

Authors*: Milind M. Javle, Daniel Catenacci, Apurva Jain, Lauren Young, Kai Wang, Jon Chung, Aram F. Hezel, Alexa Betzig Schrock, Lipika Goyal, Laurie M. Gay, Daniel H. Ahn, **Robin Kate Kelley**, Shridar Ganesan, Phil Stephens, Vincent A. Miller, Siraj Mahamed Ali, Tanios S. Bekaii-Saab, Rachna T. Shroff, Jeffrey S. Ross

Abstract #: 4076 Abstract Link: http://abstracts.asco.org/199/AbstView_199_193011.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Gastrointestinal (Noncolorectal) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 4076

Kelley Research Interests: My research focuses on the early clinical development of new treatments and biomarkers in hepatocellular carcinoma and biliary tract cancers. I am the Study Chair for several multicenter investigator-initiated trials and PI for numerous industry-sponsored trials of novel therapeutic agents & combinations in advanced hepatobiliary cancer patients. In our practice, we consistently achieve high patient accrual and have a robust pipeline of new clinical trials in development. To advance future translational & epidemiology research in this complex/biologically-heterogeneous cancer family, I initiated the UCSF Hepatobiliary Tissue Bank & Registry. This bank and registry collects fresh & archival tumor tissue samples plus blood samples along with longitudinal clinical data from UCSF patients with hepatobiliary cancers. This successful bank has already contributed samples and/or data to multiple projects, including the NCI/NHGRI Cancer Genome Atlas (TCGA) liver and cholangiocarcinoma cohorts.

http://cancer.ucsf.edu/people/profiles/kelley_katie.3354

A phase 2 study of galunisertib (TGF- β R1 inhibitor) and sorafenib in patients with advanced hepatocellular carcinoma (HCC).

Authors*: Robin Kate Kelley, Edward Gane, Eric Assenat, Jurgen Siebler, Peter R. Galle, Philippe Merle, Isabelle Ollivier-Hourmand, Ann Cleverly, Ivelina Gueorguieva, Michael M. F. Lahn, Sandrine J. Faivre, Karim A. Benhadji, Gianluigi Giannelli

Abstract #: 4097 Abstract Link: http://abstracts.asco.org/199/AbstView_199_189491.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Gastrointestinal (Noncolorectal) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 4097)

Kelley Research Interests: My research focuses on the early clinical development of new treatments and biomarkers in hepatocellular carcinoma and biliary tract cancers. I am the Study Chair for several multicenter investigator-initiated trials and PI for numerous industry-sponsored trials of novel therapeutic agents & combinations in advanced hepatobiliary cancer patients. In our practice, we consistently achieve high patient accrual and have a robust pipeline of new clinical trials in development. To advance future translational & epidemiology research in this complex/biologically-heterogeneous cancer family, I initiated the UCSF Hepatobiliary Tissue Bank & Registry. This bank and registry collects fresh & archival tumor tissue samples plus blood samples along with longitudinal clinical data from UCSF patients with hepatobiliary cancers. This successful bank has already contributed samples and/or data to multiple projects, including the NCI/NHGRI Cancer Genome Atlas (TCGA) liver and cholangiocarcinoma cohorts.

http://cancer.ucsf.edu/people/profiles/kelley_katie.3354

Genomic alterations (GA) and tumor mutational burden (TMB) in large cell neuroendocrine carcinoma of lung (L-LCNEC) as compared to small cell lung carcinoma (SCLC) as assessed via comprehensive genomic profiling (CGP).

Authors*: Young Kwang Chae, Keerthi Tamragouri, Jon Chung, Alexa Betzig Schrock, Bhaskar Kolla, Shridar Ganesan, James Suh, Vamsidhar Velcheti, Trever Grant Bivona, Jeffrey S. Ross, Phil Stephens, Vincent A. Miller, Manish Patel, Francis J. Giles, Siraj Mahamed Ali, Sai-Hong Ignatius Ou, Victoria Wang

Abstract #: 8517 Abstract Link: http://abstracts.asco.org/199/AbstView_199_182716.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Lung Cancer—Non-Small Cell Local-Regional/Small Cell/Other Thoracic Cancers) Citation: J Clin Oncol 35, 2017 (suppl; abstr 8517)

Bivona Research Interests: Our team uses the tools of precision medicine to improve the molecular diagnosis and targeted therapy of patients with solid cancers, including lung cancer. Our program focuses on identifying and functionally characterizing the molecular drivers of tumor growth in individual patients. We study patient samples and clinical data to identify novel potential drivers of tumor initiation, progression, and therapy resistance. We functionally annotate the putative molecular drivers using an integrated approach of genetic and pharmacologic tools. This precision approach to understanding the molecular pathogenesis of lung cancer (and other cancers) has led to the discovery of new biomarkers and targets that provide rationale for novel clinical trials we are launching to improve patient survival.

http://www.bivonalab.net/

Evolution and clinical impact of genomic alterations detectable in circulating tumor DNA of 1150 advanced EGFR-mutant (mt) lung cancer patients.

Authors*: Collin M. Blakely, Wei Wu, Matthew A. Gubens, Julia Rotow, Victoria Wang, Kimberly Banks, Richard B. Lanman, Philip C. Mack, Hatim Husain, Caroline Elizabeth McCoach, Robert Charles Doebele, Jonathan Riess, Trever Grant Bivona

Abstract #: 9009 Abstract Link: http://abstracts.asco.org/199/AbstView_199_185507.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Lung Cancer—Non-Small Cell Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr 9009)

Bivona Research Interests: Our team uses the tools of precision medicine to improve the molecular diagnosis and targeted therapy of patients with solid cancers, including lung cancer. Our program focuses on identifying and functionally characterizing the molecular drivers of tumor growth in individual patients. We study patient samples and clinical data to identify novel potential drivers of tumor initiation, progression, and therapy resistance. We functionally annotate the putative molecular drivers using an integrated approach of genetic and pharmacologic tools. This precision approach to understanding the molecular pathogenesis of lung cancer (and other cancers) has led to the discovery of new biomarkers and targets that provide rationale for novel clinical trials we are launching to improve patient survival.

http://www.bivonalab.net/

KEYNOTE-001: 3-year overall survival for patients with advanced NSCLC treated with pembrolizumab.

Authors*: Natasha B. Leighl, Matthew David Hellmann, Rina Hui, Enric Carcereny Costa, Enriqueta Felip, Myung-Ju Ahn, Joseph Paul Eder, Ani Sarkis Balmanoukian, Charu Aggarwal, Leora Horn, Amita Patnaik, Matthew A. Gubens, Suresh S. Ramalingam, Gregory M. Lubiniecki, Jin Zhang, Bilal Piperdi, Edward B. Garon

Abstract #: 9011 Abstract Link: http://abstracts.asco.org/199/AbstView_199_185215.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Lung Cancer—Non-Small Cell Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr 9011)

Gubens Research Interests: Matthew Gubens is a thoracic oncologist who treats patients with lung cancer, mesothelioma and other thoracic malignancies, including thymoma and thymic carcinoma, which are rare tumors of the mediastinum. His research involves designing clinical trials to study new compounds and treatment strategies in lung cancer. He and his colleagues have a special interest in translational medicine, and are actively working to translate laboratory-based findings to the clinic, especially for patients with epidermal growth factor receptor (EGFR) mutations. The group is also active in trials evaluating new immunotherapy approaches in thoracic malignancies. Dr. Gubens is a member of the American Society of Clinical Oncology, the International Association for the Study of Lung Cancer and the International Thymic Malignancy Interest Group.

http://profiles.ucsf.edu/matthew.gubens

Genomic profiling of circulating tumor DNA (ctDNA) from patients (pts) with advanced non-small cell lung cancer (NSCLC).

Authors*: Ibiayi Dagogo-Jack, Eric Bernicker, Tianhong Li, Victoria Wang, Jeffrey S. Ross, Lauren Young, Philip J. Stephens, Jon Chung, Alice Tsang Shaw, Siraj Mahamed Ali, Vincent A. Miller, Alexa Betzig Schrock, David R. Spigel, Sai-Hong Ignatius Ou

Abstract #: 9025 Abstract Link: http://abstracts.asco.org/199/AbstView_199_187245.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Lung Cancer—Non-Small Cell Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr 9025)

Efficacy, safety, and immune activation with pegylated human IL-10 (AM0010) in combination with an anti-PD1 in advanced NSCLC.

Authors*: Deborah Jean Lee Wong, Jeffrey Gary Schneider, Raid Aljumaily, **Wolfgang Michael Korn**, Jeffrey R. Infante, Manish R. Patel, Karen A. Autio, Kyriakos P. Papadopoulos, Aung Naing, Nashat Y. Gabrail, **Pamela N. Munster**, Jonathan Wade Goldman, Peter Van Vlasselaer, Gail Linda Brown, Annie Hung, Martin Oft, Edward B. Garon

Abstract #: 9091 Abstract Link: http://abstracts.asco.org/199/AbstView_199_189952.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Lung Cancer—Non-Small Cell Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr 9091)

Munster Research Interests: Our lab is interested in developing novel strategies to overcome hormone therapy resistance in breast cancer.

http://cancer.ucsf.edu/people/profiles/munster_pamela.3449

First-line carboplatin and pemetrexed (CP) with or without pembrolizumab (pembro) for advanced nonsquamous NSCLC: Updated results of KEYNOTE-021 cohort G.

Authors*: Vassiliki Papadimitrakopoulou, Shirish M. Gadgeel, Hossein Borghaei, Leena Gandhi, Amita Patnaik, Steven Francis Powell, Ryan D. Gentzler, Renato G. Martins, James Stevenson, Shadia Ibrahim Jalal, Amit W. Panwalkar, James Chih-Hsin Yang, **Matthew A. Gubens,** Lecia V. Sequist, Mark M. Awad, Joseph Fiore, Joy Yang Ge, Harry Raftopoulos, Corey J. Langer

Abstract #: 9094 Abstract Link: http://abstracts.asco.org/199/AbstView_199_190595.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Lung Cancer—Non-Small Cell Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr 9094)

Gubens Research Interests: Matthew Gubens is a thoracic oncologist who treats patients with lung cancer, mesothelioma and other thoracic malignancies, including thymoma and thymic carcinoma, which are rare tumors of the mediastinum. His research involves designing clinical trials to study new compounds and treatment strategies in lung cancer. He and his colleagues have a special interest in translational medicine, and are actively working to translate laboratory-based findings to the clinic, especially for patients with epidermal growth factor receptor (EGFR) mutations. The group is also active in trials evaluating new immunotherapy approaches in thoracic malignancies. Dr. Gubens is a member of the American Society of Clinical Oncology, the International Association for the Study of Lung Cancer and the International Thymic Malignancy Interest Group.

http://profiles.ucsf.edu/matthew.gubens

ClarIDHy: A phase 3, multicenter, randomized, double-blind study of AG-120 vs placebo in patients with an advanced cholangiocarcinoma with an IDH1 mutation.

Authors*: Maeve Aine Lowery, Ghassan K. Abou-Alfa, Juan W. Valle, Robin Kate Kelley, Lipika Goyal, Rachna T. Shroff, Milind M. Javle, Mitesh J. Borad, James M. Cleary, Anthony B. El-Khoueiry, Johanna C. Bendell, Teresa Macarulla, Arndt Vogel, Christopher Korth, Liewen Jiang, Camelia Gliser, Bin Wu, Samuel V. Agresta, Shuchi Sumant Pandya, Andrew X. Zhu

Abstract #: TPS4142 Abstract Link: http://abstracts.asco.org/199/AbstView_199_182088.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Gastrointestinal (Noncolorectal) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS4142)

Kelley Research Interests: My research focuses on the early clinical development of new treatments and biomarkers in hepatocellular carcinoma and biliary tract cancers. I am the Study Chair for several multicenter investigator-initiated trials and PI for numerous industry-sponsored trials of novel therapeutic agents & combinations in advanced hepatobiliary cancer patients. In our practice, we consistently achieve high patient accrual and have a robust pipeline of new clinical trials in development. To advance future translational & epidemiology research in this complex/biologically-heterogeneous cancer family, I initiated the UCSF Hepatobiliary Tissue Bank & Registry. This bank and registry collects fresh & archival tumor tissue samples plus blood samples along with longitudinal clinical data from UCSF patients with hepatobiliary cancers. This successful bank has already contributed samples and/or data to multiple projects, including the NCI/NHGRI Cancer Genome Atlas (TCGA) liver and cholangiocarcinoma cohorts.

http://cancer.ucsf.edu/people/profiles/kelley_katie.3354

Checkmate 743: A phase 3, randomized, open-label trial of nivolumab (nivo) plus ipilimumab (ipi) vs pemetrexed plus cisplatin or carboplatin as first-line therapy in unresectable pleural mesothelioma.

Authors*: Gerard Zalcman, Solange Peters, Aaron Scott Mansfield, Thierry Marie Jahan, Sanjay Popat, Arnaud Scherpereel, Wenhua Hu, Giovanni Selvaggi, Paul Baas

Abstract #: TPS8581 Abstract Link: http://abstracts.asco.org/199/AbstView_199_181189.html Presentation Date/Time: Saturday June 3, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Lung Cancer—Non-Small Cell Local-Regional/Small Cell/Other Thoracic Cancers) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS8581)

Jahan Research Interests: Thierry M. Jahan, M.D. is a renowned medical oncologist who specializes in the treatment of thoracic malignancies such as mesothelioma, and soft tissue sarcomas. He is the Principal Investigator on numerous thoracic oncology clinical trials. He has a particular interest in testing target therapies in non-small cell lung cancer malignant mesothelioma as either single agents or in combination with chemotherapy and/or radiation.

http://top.ucsf.edu/meet-the-team/medical-oncologists/thierry-marie-jahan,-md.aspx

Targeting Activating Fusions: High-Impact Therapy for Low-Incidence Alterations

Authors*: Trever Grant Bivona

Abstract #: Abstract Link: Presentation Date/Time: Saturday June 3, 1:51 – 2:03 PM Location: E450ab Presentation Type: Oral Abstract Session Citation:

Bivona Research Interests: Our team uses the tools of precision medicine to improve the molecular diagnosis and targeted therapy of patients with solid cancers, including lung cancer. Our program focuses on identifying and functionally characterizing the molecular drivers of tumor growth in individual patients. We study patient samples and clinical data to identify novel potential drivers of tumor initiation, progression, and therapy resistance. We functionally annotate the putative molecular drivers using an integrated approach of genetic and pharmacologic tools. This precision approach to understanding the molecular pathogenesis of lung cancer (and other cancers) has led to the discovery of new biomarkers and targets that provide rationale for novel clinical trials we are launching to improve patient survival.

http://www.bivonalab.net/

TBCRC 022: Phase II trial of neratinib + capecitabine for patients (Pts) with human epidermal growth factor receptor 2 (HER2+) breast cancer brain metastases (BCBM).

Authors*: Rachel A. Freedman, Rebecca Sue Gelman, Michelle E. Melisko, Carey K. Anders, Beverly Moy, Kimberly L. Blackwell, Roisin M. Connolly, Polly Ann Niravath, Catherine H. Van Poznak, Shannon Puhalla, Sarah Farooq, Anne Cropp, Christine M Cotter, Minetta C. Liu, Ian E. Krop, Julie R. Nangia, Nadine M. Tung, Antonio C. Wolff, Eric P. Winer, Nancy U. Lin

Abstract #: 1005 Abstract Link: http://abstracts.asco.org/199/AbstView_199_186113.html Presentation Date/Time: Saturday June 3, 1:15 PM to 4:15 PM Location: Hall D1 Presentation Type: Oral Abstract Session (Breast Cancer—Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr 1005)

Melisko Research Interests: Dr. Michelle E. Melisko is a cancer specialist with expertise in breast cancer treatment and research. She is involved in testing new chemotherapy combinations, biological therapies and immunotherapies for breast cancer, with a particular focus on brain metastases and leptomeningeal disease. She has led multiple trials investigating supportive care interventions for breast cancer patients and is also leading efforts to incorporate Patient Reported Outcomes more consistently in clinical trials.

http://cancer.ucsf.edu/people/profiles/melisko_michelle.3389

Final results of a phase 2 study of talazoparib (TALA) following platinum or multiple cytotoxic regimens in advanced breast cancer patients (pts) with germline BRCA1/2 mutations (ABRAZO).

Authors*: Nicholas C. Turner, Melinda L. Telli, Hope S. Rugo, Audrey Mailliez, Johannes Ettl, Eva-Maria Grischke, Lida A. Mina, Judith Balmana Gelpi, Peter A. Fasching, Sara A. Hurvitz, Andrew M. Wardley, Colombe Chappey, Wendy Verret, Alison L. Hannah, Mark E. Robson

Abstract #: 1007 Abstract Link: http://abstracts.asco.org/199/AbstView_199_187068.html Presentation Date/Time: Saturday June 3, 1:15 PM to 4:15 PM Location: Hall D1 Presentation Type: Oral Abstract Session (Breast Cancer—Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr 1007)

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

Phase 2 study of pembrolizumab (pembro) monotherapy for previously treated metastatic triple-negative breast cancer (mTNBC): KEYNOTE-086 cohort A

Authors*: Sylvia Adams, Peter Schmid, Hope S. Rugo, Eric P. Winer, Delphine Loirat, Ahmad Awada, David W. Cescon, Hiroji Iwata, Mario Campone, Rita Nanda, Rina Hui, Giuseppe Curigliano, Deborah Toppmeyer, Joyce O'Shaughnessy, Sherene Loi, Shani Paluch-Shimon, Deborah Card, Jing Zhao, Vassiliki Karantza, Javier Cortes

Abstract #: 1008 Abstract Link: http://abstracts.asco.org/199/AbstView_199_190305.html Presentation Date/Time: Saturday June 3, 1:15 PM to 4:15 PM Location: Hall D1 Presentation Type: Oral Abstract Session (Breast Cancer—Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr 1008)

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

http://cancer.ucsf.edu/people/profiles/rugo_hope.3648

Abiraterone + prednisone (Abi) +/- veliparib (Vel) for patients (pts) with metastatic castration-resistant prostate cancer (CRPC): NCI 9012 updated clinical and genomics data.

Authors*: Maha Hussain, Stephanie Daignault, Przemyslaw Twardowski, Costantine Albany, Mark N. Stein, Lakshmi Priya Kunju, Dan R. Robinson, Kathleen A. Cooney, Robert B. Montgomery, Emmanuel S. Antonarakis, Daniel H. Shevrin, Paul Gettys Corn, Young E. Whang, David C. Smith, Megan Veresh Caram, Scott A. Tomlins, Karen E. Knudsen, Walter Michael Stadler, Felix Yi-Chung Feng, Arul M. Chinnaiyan

Abstract #: 5001 Abstract Link: http://abstracts.asco.org/199/AbstView_199_182138.html Presentation Date/Time: Saturday June 3, 1:15 PM to 4:15 PM Location: Hall B1 Presentation Type: Oral Abstract Session (Genitourinary (Prostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 5001)

Final results of a phase II multicenter trial of HF10, a replication-competent HSV-1 oncolytic virus, and ipilimumab combination treatment in patients with stage IIIB-IV unresectable or metastatic melanoma.

Authors*: Robert Hans Ingemar Andtbacka, Merrick I. Ross, Sanjiv S. Agarwala, Matthew H. Taylor, John T. Vetto, Rogerio Izar Neves, Adil Daud, Hung T. Khong, Richard S. Ungerleider, Maki Tanaka, Kenneth F. Grossmann

Abstract #: 9510 Abstract Link: http://abstracts.asco.org/199/AbstView_199_192260.html Presentation Date/Time: Saturday June 3, 1:15 PM to 4:45 PM / Saturday June 3, 4:45 PM to 6:00 PM Location: Hall A Presentation Type: Poster Session (Melanoma/Skin Cancers) Citation: J Clin Oncol 35, 2017 (suppl; abstr 9510)

Daud Research Interests: Our group at UCSF is focused on developing new immunotherapy agents and specifically understanding the biology of the immune response to PD-1 in melanoma. We developed IL- 12 gene therapy in melanoma and carried out the first in human clinical trial in 2005-2007. Based on this work, IL-12 electroporation is being explored in many cancers as an immune agent and as a combination treatment with PD-1 and other checkpoint inhibitors in melanoma. I have been involved in the development of anti-PD-1 antibodies for melanoma. With my colleagues Michael Rosenblum and Max Krummel at UCSF, we have developed a novel assay that profiles the intra-tumoral microenvironment in depth and can predict non-response to PD-1. We are currently exploring novel strategies for PD-1 non responsive subsets of melanoma (and potentially other cancers).

http://cancer.ucsf.edu/people/profiles/daud_adil.3622

Phase 1b/2 trial of ribociclib+binimetinib in metastatic NRAS-mutant melanoma: Safety, efficacy, and recommended phase 2 dose (RP2D)

Authors*: Martin H. Schuler, Paolo A. Ascierto, Filip Yves Francine Leon De Vos, Michael Andrew Postow, Carla M.L.- Van Herpen, Matteo S. Carlino, Jeffrey A. Sosman, Carola Berking, Georgina V. Long, Amy Weise, Ralf Gutzmer, Martin Kaatz, Grant A. McArthur, Gary Schwartz, Adil Daud, Kati Maharry, Padmaja Yerramilli-Rao, Lisa Zimmer, Viviana Bozon, Rodabe Navroze Amaria

Abstract #: 9519 Abstract Link: http://abstracts.asco.org/199/AbstView_199_193037.html Presentation Date/Time: Saturday June 3, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Melanoma/Skin Cancers) Citation: J Clin Oncol 35, 2017 (suppl; abstr 9519

Daud Research Interests: Our group at UCSF is focused on developing new immunotherapy agents and specifically understanding the biology of the immune response to PD-1 in melanoma. We developed IL- 12 gene therapy in melanoma and carried out the first in human clinical trial in 2005-2007. Based on this work, IL-12 electroporation is being explored in many cancers as an immune agent and as a combination treatment with PD-1 and other checkpoint inhibitors in melanoma. I have been involved in the development of anti-PD-1 antibodies for melanoma. With my colleagues Michael Rosenblum and Max Krummel at UCSF, we have developed a novel assay that profiles the intra-tumoral microenvironment in depth and can predict non-response to PD-1. We are currently exploring novel strategies for PD-1 non responsive subsets of melanoma (and potentially other cancers).

http://cancer.ucsf.edu/people/profiles/daud_adil.3622

Quantitative spatial profiling of PD-1/PD-L1 interaction and HLA-DR/IDO1 to predict outcomes to anti-PD-1 in metastatic melanoma (MM)

Authors*: Douglas Buckner Johnson, Jennifer Bordeaux, Ju Young Kim, Christine Vaupel, David L. Rimm, Thai Huu Ho, Richard Wayne Joseph, Adil Daud, Robert Martin Conry, Elizabeth M Gaughan, Anastasios Dimou, Justin M. Balko, James William Smithy, John S Witte, Svetlana B McKee, Nicole Dominiak, Bashar Dabbas, Jeff Hall, Naveen Dakappagari, Navigate BioPharma Leadership

Abstract #: 9517 Abstract Link: http://abstracts.asco.org/199/AbstView_199_191357.html Presentation Date/Time: Saturday June 3, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Melanoma/Skin Cancers) Citation: J Clin Oncol 35, 2017 (suppl; abstr 9517)

Witte Research Interests: Our research program encompasses a synthesis of methodological and applied genetic epidemiology, with the overall aim of deciphering the mechanisms underlying complex diseases and traits (Witte, Visscher & Wray, Nature Reviews Genetics 2014). Our methods work is focused on the design and statistical analysis of next-generation sequencing and genetic association studies. We are applying these methods to studies of cancer (e.g., of the prostate), birth defects, and pharmacogenomics.

http://wittelab.ucsf.edu/pages/research

Analysis of mutational burden and adaptive immune response in desmoplastic melanomas treated with PD-1/L1 inhibitors.

Authors*: Siwen Hu-Lieskovan, Zeynep Eroglu, Jesse Meir Zaretsky, Dae Won Kim, Alain Patrick Algazi, Douglas Buckner Johnson, Elizabeth Liniker, Ben Kong, Rodrigo Munhoz, Suthee Rapisuwon, Bartosz Chmielowski, Jeffrey Alan Sosman, Richard A. Scolyer, Richard Wayne Joseph, Michael Andrew Postow, Matteo S. Carlino, Wen-Jen Hwu, Georgina V. Long, Antoni Ribas

Abstract #: 9558 Abstract Link: http://abstracts.asco.org/199/AbstView_199_185186.html Presentation Date/Time: Saturday June 3, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Melanoma/Skin Cancers) Citation: J Clin Oncol 35, 2017 (suppl; abstr 9558)

Algazi Research Interests: My research focuses on enhancing anti-tumor immune responses in patients with advanced melanoma and head & neck (HN) cancer. Anti-tumor immune responses induced by PD-1 mAbs can be limited by the absence of tumoral pro-inflammatory cytokines. Our group pioneered the use of intratumoral treatment with plasmid IL-12 and electroporation (IT-pIL12-EP) in patients with advanced HN squamous cell carcinoma (HNSCC) and I am now leading phase 2 clinical efforts to combine IT-pIL12-EP with pembrolizumab in melanoma patients. I am UCSF's Program Leader for HN Medical Oncology and Chair of the HN Research Committee. I am developing a trial portfolio focused on HNSCC immune therapy and collaborating with Jackson Laboratory developing a new mouse model with a humanized immune system to evaluate immune therapy combinations. Lastly, I am the national study chair for the continuous vs intermittent dosing of dabrafenib and trametinib trial in BRAF-inhibitor naïve patients with BRAF mutant melanoma.

http://cancer.ucsf.edu/people/profiles/algazi_alain.3320

A phase II prospective study of selumetinib in children with recurrent or refractory low-grade glioma (LGG): A Pediatric Brain Tumor Consortium (PBTC) study.

Authors*: Jason R. Fangusaro, Arzu Onar-Thomas, Tina Young-Poussaint, Shengjie Wu, Azra H Ligon, Neal Ian Lindeman, Anuradha Banerjee, Roger Packer, Lindsay B. Kilburn, Ian Pollack, Regina Jakacki, Ibrahim A. Qaddoumi, Paul Graham Fisher, Girish Dhall, Patricia Ann Baxter, Susan G. Kreissman, L. Austin Doyle, Malcolm A. Smith, Ira J. Dunkel, Maryam Fouladi

Abstract #: 10504 Abstract Link: http://abstracts.asco.org/199/AbstView_199_182373.html Citation: Presentation Date/Time: Saturday June 3, 1:15 PM to 4:15 PM Location: S504 Presentation Type: Oral Abstract Session (Pediatric Oncology I) Citation: J Clin Oncol 35, 2017 (suppl; abstr 10504)

Banerjee Research Interests: Dr. Banerjee is a pediatrician with fellowship training in pediatric hemoatology and oncology. She is also an epidemiologist and has a special interest in pediatric palliative care. She currently works with Dr. Michael Prados in Pediatric Brain Tumor Consortium clinical trials. Dr. Banerjee's research at present involves the use of convection-enhanced delivery of novel drugs for treatment of high-grade glioma, and the role of signal transduction inhibitors with radiation for the treatment of brainstem glioma.

http://neurosurgery.ucsf.edu/index.php/about_us_faculty_banerjee.html

Intensive multi-modality therapy for extra-ocular retinoblastoma (RB): A Children's Oncology Group (COG) trial (ARET0321).

Authors*: Ira J. Dunkel, Mark D. Krailo, Guillermo L. Chantada, Anuradha Banerjee, Sherif Abouelnaga, Jeffrey Buchsbaum, Thomas E. Merchant, Meaghan Granger, Rima Fuad Jubran, Michael Kellick, Joanna Weinstein, David H. Abramson, Carlos Rodriguez-Galindo, Murali M. Chintagumpala

Abstract #: 10506 Abstract Link: http://abstracts.asco.org/199/AbstView_199_183503.html Citation: Presentation Date/Time: Saturday June 3, 1:15 PM to 4:15 PM Location: S504 Presentation Type: Oral Abstract Session (Pediatric Oncology I) Citation: J Clin Oncol 35, 2017 (suppl; abstr 10506)

Banerjee Research Interests: Dr. Banerjee is a pediatrician with fellowship training in pediatric hemoatology and oncology. She is also an epidemiologist and has a special interest in pediatric palliative care. She currently works with Dr. Michael Prados in Pediatric Brain Tumor Consortium clinical trials. Dr. Banerjee's research at present involves the use of convection-enhanced delivery of novel drugs for treatment of high-grade glioma, and the role of signal transduction inhibitors with radiation for the treatment of brainstem glioma.

http://neurosurgery.ucsf.edu/index.php/about_us_faculty_banerjee.html

ACRIN 6698 trial: Quantitative diffusion-weighted MRI to predict pathologic response in neoadjuvant chemotherapy treatment of breast cancer.

Authors*: Savannah C. Partridge, Zheng Zhang, David C Newitt, Jessica E Gibbs, Thomas L Chenevert, Mark Alan Rosen, Patrick J Bolan, Helga Marques, Laura Esserman, Nola M Hylton

Abstract #: 11520 Abstract Link: http://abstracts.asco.org/199/AbstView_199_191530.html Citation: Presentation Date/Time: Saturday June 3, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Tumor Biology) Citation: J Clin Oncol 35, 2017 (suppl; abstr 11520)

Hylton Research Interests: Dr. Hylton is a breast cancer researcher with broad experience in the area of biomedical imaging. Work in her laboratory focuses on the development of MRI techniques for breast cancer diagnosis and treatment response assessment. Her laboratory works closely with a multi-disciplinary team of radiologists, surgeons, oncologists, basic science researchers, and advocates to optimize MR imaging techniques for the clinical management of breast cancer patients. The overall goal of their interdisciplinary research program is to synthesize information about the molecular and imaging characteristics of breast cancer and to apply this knowledge to decision strategies for individualized patient treatment. She is the PI on the multi-center ACRIN trials 6657 and 6698, evaluating dynamic contrast-enhanced (DCE) and diffusion-weighted (DW) MRI respectively, for assessing treatment response, as part of the I-SPY 1 and I-SPY 2 breast cancer neoadjuvant treatment trials.

http://cancer.ucsf.edu/people/profiles/hylton_nola.3495

Cerebrospinal fluid circulating tumor cells (CSF CTC) for real-time patient monitoring and response to treatment

Authors*: Rachna Malani, Martin Fleisher, Xuling Lin, Antonio Marcilio Padula Omuro, Morris D. Groves, Nancy U. Lin, Michelle E. Melisko, Andrew B. Lassman, Suriya A. Jeyapalan, Samuel Briggs, Lisa Marie DeAngelis, Jeffrey J. Raizer, Elena Pentsova

Abstract #: 11549 Abstract Link: http://abstracts.asco.org/199/AbstView_199_190274.html Citation: Presentation Date/Time: Saturday June 3, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Tumor Biology) Citation: J Clin Oncol 35, 2017 (suppl; abstr 11549)

Melisko Research Interests: Dr. Michelle E. Melisko is a cancer specialist with expertise in breast cancer treatment and research. She is interested in testing new chemotherapy combinations, biological therapies and immunotherapies for breast cancer, with a particular focus on treatment of cancer that has spread to the brain. She also hopes to educate patients and encourage their participation in clinical trials to make more rapid advances in breast cancer treatment.

http://cancer.ucsf.edu/people/profiles/melisko_michelle.3389

TAVAREC: Is There a Role for Bevacizumab in Glioma?

Authors*: Susan Marina Chang, MD

Abstract #: Abstract Link: Presentation Date/Time: Saturday June 3, 3:12 PM - 3:24 PM Location: S102 Presentation Type: Clinical Science Symposium Citation:

Chang Research Interests: My research interest is in the development of novel therapies for patients with brain tumors, as well as the assessment of novel imaging biomarkers in the management of patients. My research seeks to integrate advances in physiologic and metabolic imaging with tissue biomarkers in order to optimize the management of patients with glioblastoma (GBM). My clinical research evaluates a wide spectrum of therapeutic interventions that span chemotherapy, targeted agents, immunotherapy and convection enhanced delivery of novel agents. I am the site PI of an NIH-funded adult brain tumor consortium and am a member of the Brain Malignancy Steering Committee and the chair of the Developmental Therapeutics Study Section at the NIH. I am the program leader for the Neuro-Oncology Program at the HDFCCC. I am the clinical co-PI for the UCSF Brain Tumor SPORE and a co-Leader of a SPORE Project evaluating the role of physiologic imaging in the determination of malignant progression of low-grade glioma.

http://cancer.ucsf.edu/people/profiles/chang_susan.3565

Progress in DIPG: How Do We Get There?

Authors*: Sabine Mueller, MD

Abstract #: Abstract Link: Presentation Date/Time: Saturday June 3, 3:36 PM - 3:48 PM Location: S102 Presentation Type: Clinical Science Symposium Citation:

Mueller Research Interests: The laboratory of Dr. Sabine Mueller focuses on translational research in pediatric neuro-oncology. A key focus is the development and characterization of patient derived xenograft (PDX) models for diffuse intrinsic pontine gliomas (DIPG) and other pediatric high grade gliomas (pHGGs). In particular, the Mueller lab investigates the genomic heterogeneity of DIPGs and other pHGGs. Additionally, they are exploring the utility of liquid biopsies by assessing circulating tumor DNA and correlating this with disease response. Further, the laboratory is exploring central nervous system (CNS) directed delivery strategies, such as convection enhanced delivery (CED) in combination with nanotechnology, in these PDX models. The laboratory has several industry partnerships to test new agents as single agents and in combination therapy strategies with other agents as well as radiation therapy.

http://cancer.ucsf.edu/people/profiles/mueller_sabine.4800

Sunday, June 4:

Genitourinary (Prostate) Cancer

Authors*: Charles J. Ryan, MD

Abstract #: Abstract Link: Presentation Date/Time: Sunday June 4, 7:50 – 8:10 AM Location: Hall D1 Presentation Type: Highlights of the Day Session Citation:

Debate/Discussion: Is the Sharper Knife Worth the Price—Proton Versus Photons

Authors*: Sue Sun Yom, MD, PhD

Abstract #: Abstract Link: Presentation Date/Time: Sunday June 4, 8:00 AM - 8:20 AM Location: S504 Presentation Type: Education Session Citation:

Yom Research Interests: Dr. Yom is an expert in head and neck, thoracic, and skin cancers and conducts research in quality of life and supportive care, patient-oriented decision making, and combinations of novel targeted therapies and immunotherapy with radiation therapy. She is the principal investigator of HN002, a national trial in de-intensified therapy for HPV+ oropharyngeal cancer. She serves on several national panels developing guidelines for appropriate care of head and neck cancers.

http://profiles.ucsf.edu/sue.yom

Horizontal and Vertical Shifts in the Treatment of Hepatocellular Carcinoma

Authors*: Robin Kate Kelley, MD

Abstract #: Abstract Link: Presentation Date/Time: Sunday June 4, 8:36 AM - 8:48 AM Location: Hall D2 Presentation Type: Oral Abstract Session Citation:

Kelley Research Interests: My research focuses on the early clinical development of new treatments and biomarkers in hepatocellular carcinoma and biliary tract cancers. I am the Study Chair for several multicenter investigator-initiated trials and PI for numerous industry-sponsored trials of novel therapeutic agents & combinations in advanced hepatobiliary cancer patients. In our practice, we consistently achieve high patient accrual and have a robust pipeline of new clinical trials in development. To advance future translational & epidemiology research in this complex/biologically-heterogeneous cancer family, I initiated the UCSF Hepatobiliary Tissue Bank & Registry. This bank and registry collects fresh & archival tumor tissue samples plus blood samples along with longitudinal clinical data from UCSF patients with hepatobiliary cancers. This successful bank has already contributed samples and/or data to multiple projects, including the NCI/NHGRI Cancer Genome Atlas (TCGA) liver and cholangiocarcinoma cohorts.

http://cancer.ucsf.edu/people/profiles/kelley_katie.3354

Predictive Signatures of Immunotherapy Response or Progression

Authors*: Lawrence Fong, MD

Abstract #: Abstract Link: Presentation Date/Time: Sunday June 4, 8:24 AM - 8:36 AM Location: S406 Presentation Type: Oral Abstract Session Citation:

Fong Research Interests: My lab focuses on how the immune system interacts with cancer as well as exploring tumor immunotherapies in mouse models and in patients. Our primary focus is in immunotherapy of GI and GU malignancies. We investigate how immunotherapies such as immune checkpoint inhibitors and cancer vaccines can enhance anti-tumor immunity both systemically and in the tumor microenvironment. Performing neoadjuvant immunotherapy trials, we determine how specific therapies can recruit immune effectors in cancer patients. Moreover, we have studied how clinical responders may differ from clinical non-responders. We are applying unbiased approaches to studying antigen-specific responses that are modulated in these patients and are currently developing biomarkers that may be predictive of clinical efficacy.

http://hemonc.ucsf.edu/fonglab/

Seven-year (yr) follow-up of adjuvant paclitaxel (T) and trastuzumab (H) (APT trial) for node-negative, HER2-positive breast cancer (BC)

Authors*: Sara M. Tolaney, William Thomas Barry, Hao Guo, Deborah Dillon, Chau T. Dang, Denise A. Yardley, Beverly Moy, P. Kelly Marcom, Kathy S. Albain, Hope S. Rugo, Matthew James Ellis, Iuliana Shapira, Antonio C. Wolff, Lisa A. Carey, Beth Overmoyer, Ann H. Partridge, Clifford A. Hudis, Ian E. Krop, Harold J. Burstein, Eric P. Winer

Abstract #: 511 Abstract Link: http://abstracts.asco.org/199/AbstView_199_191222.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Breast Cancer—Local/Regional/Adjuvant) Citation: J Clin Oncol 35, 2017 (suppl; abstr 511)

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

http://cancer.ucsf.edu/people/profiles/rugo_hope.3648

Breast conservation after neoadjuvant chemotherapy for triple-negative breast cancer: Surgical results from an international randomized trial (BrighTNess).

Authors*: Mehra Golshan, Sibylle Loibl, Jens Bodo Huober, Joyce O'Shaughnessy, Hope S. Rugo, Norman Wolmark, Mark D. McKee, David Maag, Danielle Marie Sullivan, Vincent L. Giranda, Xuan Liu, Gunter Von Minckwitz, Charles E. Geyer, William M. Sikov, Michael Untch

Abstract #: 514 Abstract Link: http://abstracts.asco.org/199/AbstView_199_180828.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Breast Cancer—Local/Regional/Adjuvant) Citation: J Clin Oncol 35, 2017 (suppl; abstr 514)

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

Standard anthracycline-based vs. docetaxel-capecitabine in early breast cancer: Results from the chemotherapy randomization (R-C) of EORTC 10041/ BIG 3-04 MINDACT phase III trial.

Authors*: Fatima Cardoso, Martine J. Piccart-Gebhart, Emiel J. Rutgers, Saskia Litière, Laura Van't Veer, Giuseppe Viale, Jean-Yves Pierga, Franchette W.P.J. van den Berkmortel, Etienne Brain, Patricia Gomez, Theodora Goulioti, Susan Knox, Elisabeth Luporsi, Ulrike Nitz, Isabel T Rubio, Lisette Stork, Peter Vuylsteke, Konstantinos Tryfondis, Jan Bogaerts, Suzette Delaloge

Abstract #: 516 Abstract Link: http://abstracts.asco.org/199/AbstView_199_185624.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Breast Cancer—Local/Regional/Adjuvant) Citation: J Clin Oncol 35, 2017 (suppl; abstr 516)

Van't Veer Research Interests: Dr. van 't Veer's research focuses on personalized medicine & advancing patient management based on knowledge of the genetic makeup of the tumor as well as the genetic makeup of the patient. Her laboratory investigates human kinases & how kinase inhibitors elicit response & resistance, which is also utilized to understand agent efficacy in the I-SPY 2 TRIAL. She is the PI of the Athena Breast Health Network, a 150,000 women cohort study evaluating new paradigms to enhance breast health. She leads the targeted genome testing of 100,000 women for 9 breast cancer susceptibility genes and a selection of ~100 known susceptibility SNPs. She is one of the PIs for the NIH Big Data to Knowledge Center Translational Genomics, facilitating worldwide standardization of sharing annotated genomics data.

http://cancer.ucsf.edu/people/profiles/vantveer_laura.3358

Phase 3 study evaluating efficacy and safety of veliparib (V) plus carboplatin (Cb) or Cb in combination with standard neoadjuvant chemotherapy (NAC) in patients (pts) with early stage triple-negative breast cancer (TNBC).

Authors*: Charles E. Geyer, Joyce O'Shaughnessy, Michael Untch, William Sikov, Hope S. Rugo, Mark D. McKee, Jens Bodo Huober, Mehra Golshan, Vincent L. Giranda, Gunter Von Minckwitz, David Maag, Danielle Marie Sullivan, Norman Wolmark, Kristi McIntyre, Jose Juan Ponce Lorenzo, Otto Metzger Filho, Priya Rastogi, William Fraser Symmans, Xuan Liu, Sibylle Loibl

Abstract #: 520 Abstract Link: http://abstracts.asco.org/199/AbstView_199_186952.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Breast Cancer—Local/Regional/Adjuvant) Citation: J Clin Oncol 35, 2017 (suppl; abstr 520)

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

Palbociclib (PAL) + letrozole (L) as first-line (1L) therapy (tx) in estrogen receptorpositive (ER+)/human epidermal growth factor receptor 2-negative (HER2–) advanced breast cancer (ABC): Efficacy and safety across patient (pt) subgroups.

Authors*: Richard S. Finn, Veronique Dieras, Hope S. Rugo, Anil A. Joy, Stacy L. Moulder, Janice Maria Walshe, Hirofumi Mukai, Yaroslav V. Shparyk, In Hae Park, Ave Mori, Dongrui (Ray) Lu, Eric Roland Gauthier, Karen A. Gelmon; David Geffen

Abstract #: 1039 Abstract Link: http://abstracts.asco.org/199/AbstView_199_190163.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Breast Cancer—Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr 1039)

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

http://cancer.ucsf.edu/people/profiles/rugo_hope.3648

Trop2 gene expression (Trop2e) in primary breast cancer (BC): Correlations with clinical and tumor characteristics.

Authors*: Neelima Vidula, Christina Yau, Hope S. Rugo

Abstract #: 1075 Abstract Link: http://abstracts.asco.org/199/AbstView_199_195006.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Breast Cancer—Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr 1075)

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

Combined peripheral natural killer (NK) cell and circulating tumor cell (CTC) enumeration to enhance prognostic efficiency in patients (pts) with triple-negative breast cancer (TNBC).

Authors*: Xiao-ran Liu, Bin Shao, Hui-ping Li, Yan-lian Yang, Hope S. Rugo, Wei-yao Kong, Guo-hong Song, Han-fang Jiang, Xu Liang, Ying Yan, Zhi-yuan Hu, Guo-bing Xu

Abstract #: 1105 Abstract Link: http://abstracts.asco.org/199/AbstView_199_182316.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Breast Cancer—Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr 1105)

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

http://cancer.ucsf.edu/people/profiles/rugo_hope.3648

Efficacy analysis of ABT-414 with or without temozolomide (TMZ) in patients (pts) with EGFR-amplified, recurrent glioblastoma (rGBM) from a multicenter, international phase I clinical trial.

Authors*: Andrew B. Lassman, Martin J. Van Den Bent, Hui Kong Gan, David A. Reardon, Priya Kumthekar, Nicholas A. Butowski, Zarnie Lwin, Tom Mikkelsen, Louis B. Nabors, Kyriakos P. Papadopoulos, Marta Penas-Prado, John Simes, Helen Wheeler, Erica J. Gomez, Ho-Jin Lee, Lisa Roberts-Rapp, Hao Xiong, Earle E. Bain, David Maag, Ryan Thomas Merrell

Abstract #: 2003 Abstract Link: http://abstracts.asco.org/199/AbstView_199_186081.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:00 AM Location: S100a Presentation Type: Oral Abstract Session (Central Nervous System Tumors) Citation: J Clin Oncol 35, 2017 (suppl; abstr 2003)

Butowski Research Interests: My research includes translational research and a wide range of clinical trials, including those with convection-enhanced delivery (CED) with real-time MRI imaging, targeted agents, immunotherapy, and combination strategies. I am the Director of Translational Research in Neuro-Oncology and lead the translational effort on behalf of the UCSF Brain Tumor Research Center and Preclinical Core. My work has helped to create the groundwork for allied research in neuro-oncology and an extensive UCSF clinical trial portfolio for patients with primary brain and spine tumors, including an assortment of immunotherapy trials and surgically based trials. I have also designed investigator initiated trials, including a clinical trial employing intratumoral delivery with real-time MRI imaging as well as those with a range of novel targets, molecular markers and imaging biomarkers.

https://www.ucsfhealth.org/nicholas.butowski

Association of on-treatment plasma HGF levels with overall survival (OS) in patients (pts) with advanced renal cell carcinoma (RCC) treated with interferon alpha (INF) +/- bevacizumab (BEV): Results from CALGB 90206 (Alliance).

Authors*: Daniel J. George, Susan Halabi, Mark D. Starr, Herbert Hurwitz, John C. Brady, Ian Barak, Michael J. Morris, Brian I. Rini, **Eric Jay Small, Won Kim,** Mary-Ellen Taplin, Andrew B. Nixon

Abstract #: 4522 Abstract Link: http://abstracts.asco.org/199/AbstView_199_187778.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Genitourinary (Nonprostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 4522)

Small Research Interests: The Stand Up To Cancer Dream Team led by Dr. Eric Small is exploring the idea that resistance to hormonal therapy occurs as a result of the prostate cancer cells using common cellular responses - what the Dream Team calls "adaptive pathways" - to escape the current prostate cancer therapies. They believe that, by identifying these pathways and inhibiting them, they will be able to overcome treatment resistance and profoundly improve the care of men affected by this fatal disease. This team is a six institution consortium to include UC Los Angeles, UC Davis, UC Santa Cruz, University of British Columbia, Oregon Health and Sciences University, with UCSF as the lead administrative site.

http://cancer.ucsf.edu/people/profiles/small_eric.3671

Updated efficacy and tolerability of durvalumab in locally advanced or metastatic urothelial carcinoma (UC)

Authors*: Noah M. Hahn, Thomas Powles, Christophe Massard, Hendrik-Tobias Arkenau, Terence W. Friedlander, Christopher J. Hoimes, Jae-Lyun Lee, Michael Ong, Srikala S. Sridhar, Nicholas J. Vogelzang, Mayer N. Fishman, Jingsong Zhang, Sandy Srinivas, Jigar Parikh, Joyce Antal, Xiaoping Jin, Yong Ben, Ashok Kumar Gupta, Peter H. O'Donnell

Abstract #: 4525 Abstract Link: http://abstracts.asco.org/199/AbstView_199_189860.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Genitourinary (Nonprostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 4525)

Friedlander Research Interests: I am a clinical and translational oncologist specializing in cancers of the genitourinary tract, specifically bladder and prostate cancers. My research is focused on understanding the basic biology of these malignancies and in developing novel therapeutic ways to treat disease. In recent years my works has explored the prognostic and predictive value of circulating tumor cells (CTCs) in these malignancies. In addition to work exploring CTCs as biomarkers of response and resistance, I have investigated the structural and epigenetic state of advanced prostate cancer, and this work has led to a number of grants and publications. Additionally I have a research focus in immunology, particularly in bladder cancer. As a clinical academic oncologist I serve as principal investigator or co-investigator on a number of clinical trials in advanced prostate and bladder cancer, which allows us to recruit patients for much of our biomarker work.

http://cancer.ucsf.edu/people/profiles/friedlander_terence.4963

Health-related quality of life (HRQoL) of pembrolizumab (pembro) vs chemotherapy (chemo) for previously treated advanced urothelial cancer (UC) in KEYNOTE-045.

Authors*: Ronald De Wit, Dean F. Bajorin, Joaquim Bellmunt, Yves Fradet, Jae-Lyun Lee, Lawrence Fong, Nicholas J. Vogelzang, Miguel Ángel Climent, Daniel Peter Petrylak, Toni K. Choueiri, Andrea Necchi, Winald R. Gerritsen, Howard Gurney, David I. Quinn, Stephane Culine, Cora N. Sternberg, Yabing Mai, Haojie Li, Rodolfo F. Perini, David J. Vaughn

Abstract #: 4530 Abstract Link: http://abstracts.asco.org/199/AbstView_199_184717.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Genitourinary (Nonprostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 4530)

Fong Research Interests: My lab focuses on how the immune system interacts with cancer as well as exploring tumor immunotherapies in mouse models and in patients. Our primary focus is in immunotherapy of GI and GU malignancies. We investigate how immunotherapies such as immune checkpoint inhibitors and cancer vaccines can enhance anti-tumor immunity both systemically and in the tumor microenvironment. Performing neoadjuvant immunotherapy trials, we determine how specific therapies can recruit immune effectors in cancer patients. Moreover, we have studied how clinical responders may differ from clinical non-responders. We are applying unbiased approaches to studying antigen-specific responses that are modulated in these patients and are currently developing biomarkers that may be predictive of clinical efficacy.

http://hemonc.ucsf.edu/fonglab/

Everolimus (EVE) exposure as a predictor of toxicity (Tox) in renal cell cancer (RCC) patients (Pts) in the adjuvant setting: Results of a pharmacokinetic analysis for SWOG S0931 (EVEREST), a phase III study (NCT01120249).

Authors*: Timothy W. Synold, Melissa Plets, Catherine M. Tangen, Elisabeth I. Heath, Ganesh S. Palapattu, Philip C. Mack, Mark N. Stein, Maxwell V. Meng, Primo Lara, Nicholas J. Vogelzang, Ian Murchie Thompson, Christopher W. Ryan

Abstract #: 4566 Abstract Link: http://abstracts.asco.org/199/AbstView_199_190176.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Genitourinary (Nonprostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 4566)

Efficacy and safety of pegylated human IL-10 (AM0010) in combination with an anti-PD-1 in renal cell cancer.

Authors*: Aung Naing, Jeffrey R. Infante, Deborah Jean Lee Wong, Wolfgang Michael Korn, Raid Aljumaily, Kyriakos P. Papadopoulos, Karen A. Autio, Shubham Pant, Todd Michael Bauer, Alexandra Drakaki, Naval Guastad Daver, Annie Hung, Peter Van Vlasselaer, Gail Linda Brown, Martin Oft, Nizar M. Tannir

Abstract #: 4567 Abstract Link: http://abstracts.asco.org/199/AbstView_199_189942.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Genitourinary (Nonprostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 4567)

Long-term outcomes in patients (pts) with ipilimumab (ipi)-naive advanced melanoma in the phase 3 KEYNOTE-006 study who completed pembrolizumab (pembro) treatment.

Authors*: Caroline Robert, Georgina V. Long, Jacob Schachter, Ana Arance, Jean Jacques Grob, Laurent Mortier, Adil Daud, Matteo S. Carlino, Catriona M. McNeil, Michal Lotem, James M. G. Larkin, Paul Lorigan, Bart Neyns, Christian U. Blank, Teresa M. Petrella, Omid Hamid, Honghong Zhou, Blanca Homet Moreno, Nageatte Ibrahim, Antoni Ribas

Abstract #: 9504 Abstract Link: http://abstracts.asco.org/199/AbstView_199_187297.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:00 AM Location: Arie Crown Theater Presentation Type: Oral Abstract Session (Melanoma/Skin Cancers) Citation: J Clin Oncol 35, 2017 (suppl; abstr 9504)

Daud Research Interests: Our group at UCSF is focused on developing new immunotherapy agents and specifically understanding the biology of the immune response to PD-1 in melanoma. We developed IL- 12 gene therapy in melanoma and carried out the first in human clinical trial in 2005-2007. Based on this work, IL-12 electroporation is being explored in many cancers as an immune agent and as a combination treatment with PD-1 and other checkpoint inhibitors in melanoma. I have been involved in the development of anti-PD-1 antibodies for melanoma. With my colleagues Michael Rosenblum and Max Krummel at UCSF, we have developed a novel assay that profiles the intra-tumoral microenvironment in depth and can predict non-response to PD-1. We are currently exploring novel strategies for PD-1 non responsive subsets of melanoma (and potentially other cancers).

http://cancer.ucsf.edu/people/profiles/daud_adil.3622

Five-year overall survival (OS) update from a phase II, open-label trial of dabrafenib (D) and trametinib (T) in patients (pts) with BRAF V600–mutant unresectable or metastatic melanoma (MM).

Authors*: Georgina V. Long, Zeynep Eroglu, Jeffrey R. Infante, Sapna Pradyuman Patel, Adil Daud, Douglas Buckner Johnson, Rene Gonzalez, Richard Kefford, Omid Hamid, Lynn Mara Schuchter, Jonathan S. Cebon, William Howard Sharfman, Robert R. McWilliams, Mario Sznol, Jeffrey S. Weber, Bijoyesh Mookerjee, Eduard Gasal, Suman Redhu, Keith T. Flaherty

Abstract #: 9505 Abstract Link: http://abstracts.asco.org/199/AbstView_199_182150.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:00 AM Location: Arie Crown Theater Presentation Type: Oral Abstract Session (Melanoma/Skin Cancers) Citation: J Clin Oncol 35, 2017 (suppl; abstr 9505)

Daud Research Interests: Our group at UCSF is focused on developing new immunotherapy agents and specifically understanding the biology of the immune response to PD-1 in melanoma. We developed IL- 12 gene therapy in melanoma and carried out the first in human clinical trial in 2005-2007. Based on this work, IL-12 electroporation is being explored in many cancers as an immune agent and as a combination treatment with PD-1 and other checkpoint inhibitors in melanoma. I have been involved in the development of anti-PD-1 antibodies for melanoma. With my colleagues Michael Rosenblum and Max Krummel at UCSF, we have developed a novel assay that profiles the intra-tumoral microenvironment in depth and can predict non-response to PD-1. We are currently exploring novel strategies for PD-1 non responsive subsets of melanoma (and potentially other cancers).

http://cancer.ucsf.edu/people/profiles/daud_adil.3622

Efficacy and safety of nivolumab (NIVO) plus ipilimumab (IPI) in patients with melanoma (MEL) metastatic to the brain: Results of the phase II study CheckMate 204

Authors*: Hussein Abdul-Hassan Tawbi, Peter A. J. Forsyth, Alain Patrick Algazi, Omid Hamid, F. Stephen Hodi, Stergios J. Moschos, Nikhil I. Khushalani, Rene Gonzalez, Christopher D. Lao, Michael Andrew Postow, Michael B. Atkins, Marc S. Ernstoff, Igor Puzanov, Ragini Reiney Kudchadkar, Reena Parada Thomas, Ahmad A. Tarhini, Joel Jiang, Alexandre Avila, Sheena Demelo, Kim Allyson Margolin

Abstract #: 9507 Abstract Link: http://abstracts.asco.org/199/AbstView_199_181375.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:00 AM Location: Arie Crown Theater Presentation Type: Oral Abstract Session (Melanoma/Skin Cancers) Citation: J Clin Oncol 35, 2017 (suppl; abstr 9507)

Algazi Research Interests: My research focuses on enhancing anti-tumor immune responses in patients with advanced melanoma and head & neck (HN) cancer. Anti-tumor immune responses induced by PD-1 mAbs can be limited by the absence of tumoral pro-inflammatory cytokines. Our group pioneered the use of intratumoral treatment with plasmid IL-12 and electroporation (IT-pIL12-EP) in patients with advanced HN squamous cell carcinoma (HNSCC) and I am now leading phase 2 clinical efforts to combine IT-pIL12-EP with pembrolizumab in melanoma patients. I am UCSF's Program Leader for HN Medical Oncology and Chair of the HN Research Committee. I am developing a trial portfolio focused on HNSCC immune therapy and collaborating with Jackson Laboratory developing a new mouse model with a humanized immune system to evaluate immune therapy combinations. Lastly, I am the national study chair for the continuous vs intermittent dosing of dabrafenib and trametinib trial in BRAF-inhibitor naïve patients with BRAF mutant melanoma.

http://cancer.ucsf.edu/people/profiles/algazi_alain.3320

Phase 1 multicenter trial of CUDC-907 in children and young adults with relapsed or refractory solid tumors, CNS tumors, and lymphoma.

Authors*: David Stephen Shulman, Clay Gustafson, Kieuhoa Tran Vo, Elizabeth Fox, Jodi Ann Muscal, Jeffrey G. Supko, Andrew E. Place, Susan N. Chi, Suzanne Shusterman, Gina Hanna, Jane O'Brien, Suzanne Ezrre, Cecilia Carlowicz, Wendy B. London, Steven G. DuBois

Abstract #: TPS10576 Abstract Link: http://abstracts.asco.org/199/AbstView_199_180984.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Pediatric Oncology) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS10576)

Comparative genomic analysis for pediatric cancer patients evaluated in a California Initiative to Advance Precision Medicine Demonstration Project.

Authors*: Olena Morozova, Sofie R. Salama, Isabel Bjork, Theodore C. Goldstein, Sabine Mueller, Leonard S. Sender, Alejandro Sweet-Cordero, David Haussler

Abstract #: TPS10578 Abstract Link: http://abstracts.asco.org/199/AbstView_199_190808.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Pediatric Oncology) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS10578)

Sweet-Cordero Research Interests: My lab works to identify novel therapeutic approaches for cancer that target the genetic mutations and altered signaling networks specific to cancer cells. We use functional genomics applied to mouse and human systems (genetically engineered models, patient derived xenografts) to understand the transcriptional networks that regulate the outcome of specific oncogenic mutations and to understand how cancers become resistant to chemotherapy. We have two primary disease interests: lung cancer and pediatric sarcomas. Our lab has identified novel regulators of chemoresistance in lung cancer. We have used functional genomics in mouse and human models to identify a novel role for Wt1 in mediating KRAS-driven oncogenesis. We have identified and characterized the role of tumor-propagating cells in NSCLC and identified a key role for Notch3 as a self-renewal pathway in mouse and human NSCLC. In our sarcoma work, we are interested in mechanisms driving osteosarcoma and Ewing sarcoma progression.

https://cancer.ucsf.edu/people/profiles/sweetcordero_alejandro.8106

A phase 3 study of alpelisib (ALP) plus fulvestrant (FUL) in men and postmenopausal women with hormone receptor-positive (HR+), human epidermal growth factor receptor 2-negative (HER2-) ABC progressing on or after aromatase inhibitor (AI) therapy: SOLAR-1

Authors*: Hope S. Rugo, Fabrice Andre, Gabor Rubovszky, Bella Kaufman, Kenichi Inoue, Masato Takahashi, Satoru Shimizu, Eva M. Ciruelos, Mario Campone, Pier Franco Conte, Hiroji Iwata, Sibylle Loibl, Ingrid A. Mayer, Dejan Juric, Anne-Sophie Longin, David Mills, Celine Wilke, Dalila B. Sellami

Abstract #: TPS1111 Abstract Link: http://abstracts.asco.org/199/AbstView_199_181774.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Breast Cancer—Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS1111)

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

http://cancer.ucsf.edu/people/profiles/rugo_hope.3648

Phase Ib study to assess the safety, tolerability, and clinical activity of gedatolisib in combination with palbociclib and either letrozole or fulvestrant in women with metastatic or locally advanced/recurrent breast cancer (B2151009; NCT02684032).

Authors*: Andres Forero-Torres, Robert Wesolowski, Aditya Bardia, Haresh S. Jhangiani, Peter Kabos, Elizabeth Claire Dees, Kenneth Alan Kern, Rachelle Perea, Kristen J. Pierce, **Hope S. Rugo**

Abstract #: TPS1113 Abstract Link: http://abstracts.asco.org/199/AbstView_199_182031.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Breast Cancer—Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS1113)

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

AT TAIN: Phase 3 study of etirinotecan pegol (EP) vs treatment of physician's choice (TPC) in patients (pts) with metastatic breast cancer (MBC) who have stable brain metastases (BM) previously treated with an anthracycline, a taxane, and capecitabine (ATC).

Authors*: Debu Tripathy, Sara M. Tolaney, Andrew David Seidman, Carey K. Anders, Nuhad K. Ibrahim, Hope S. Rugo, Chris Twelves, Veronique Dieras, Volkmar Müller, Alison Hannah, Mary Tagliaferri, Javier Cortés

Abstract #: TPS1120 Abstract Link: http://abstracts.asco.org/199/AbstView_199_185239.html Presentation Date/Time: Sunday June 4, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Breast Cancer—Metastatic) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS1120)

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

http://cancer.ucsf.edu/people/profiles/rugo_hope.3648

LATITUDE: A phase III, double-blind, randomized trial of androgen deprivation therapy with abiraterone acetate plus prednisone or placebos in newly diagnosed high-risk metastatic hormone-naive prostate cancer.

Authors*: Eric Jay Small

Abstract #: Abstract Link: Presentation Date/Time: Sunday June 4, 2:55AM - 3:10 PM Location: Hall B1 Presentation Type: Plenary Discussion Citation:

Small Research Interests: The Stand Up To Cancer Dream Team led by Dr. Eric Small is exploring the idea that resistance to hormonal therapy occurs as a result of the prostate cancer cells using common cellular responses - what the Dream Team calls "adaptive pathways" - to escape the current prostate cancer therapies. They believe that, by identifying these pathways and inhibiting them, they will be able to overcome treatment resistance and profoundly improve the care of men affected by this fatal disease. This team is a six-institution consortium to include UC Los Angeles, UC Davis, UC Santa Cruz, University of British Columbia, Oregon Health and Sciences University, with UCSF as the lead administrative site.

http://cancer.ucsf.edu/people/profiles/small_eric.3671
Monday, June 5:

A phase I study of LY3022855, a colony-stimulating factor-1 receptor (CSF-1R) inhibitor, in patients (pts) with advanced solid tumors.

Authors*: Afshin Dowlati, Hope S. Rugo, R Donald Harvey, Ragini Reiney Kudchadkar, Richard D. Carvajal, Gulam Abbas Manji, Omid Hamid, Samuel Jacob Klempner, Shande Tang, Danni Yu, John S. Kauh, David Arlen Schaer, Sonya Catherine Tate, Robert Wesolowski

Abstract #: 2523 Abstract Link: http://abstracts.asco.org/199/AbstView_199_185006.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Developmental Therapeutics—Clinical Pharmacology and Experimental Therapeutics) Citation: J Clin Oncol 35, 2017 (suppl; abstr 2523)

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

http://cancer.ucsf.edu/people/profiles/rugo_hope.3648

A phase I study of carboplatin and talazoparib in patients with and without DNA repair mutations.

Authors*: Mallika Sachdev Dhawan, Imke Heleen Bartelink, Rahul Raj Aggarwal, Jim Leng, Robin Kate Kelley, Michelle E. Melisko, Charles J. Ryan, Scott Thomas, Pamela N. Munster

Abstract #: 2527 Abstract Link: http://abstracts.asco.org/199/AbstView_199_187109.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Developmental Therapeutics—Clinical Pharmacology and Experimental Therapeutics) Citation: J Clin Oncol 35, 2017 (suppl; abstr 2527)

Munster Research Interests: Our lab is interested in developing novel strategies to overcome hormone therapy resistance in breast cancer.

http://cancer.ucsf.edu/people/profiles/munster_pamela.3449

SWOG S1221: A phase 1 dose escalation study co-targeting MAPK-dependent and MAPK-independent BRAF inhibitor resistance in BRAF mutant advanced solid tumors with dabrafenib, trametinib, and GSK2141795 (ClinicalTrials.gov NCT01902173).

Authors*: Alain Patrick Algazi, James Moon, Bartosz Chmielowski, Roger Lo, Kari Lynn Kendra, Christopher D. Lao, Karl D. Lewis, Rene Gonzalez, Kevin Kim, John E. Godwin, Brendan D. Curti, Megan Othus, Antoni Ribas

Abstract #: 2578

Abstract Link: http://abstracts.asco.org/199/AbstView_199_184767.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Developmental Therapeutics—Clinical Pharmacology and Experimental Therapeutics) Citation: J Clin Oncol 35, 2017 (suppl; abstr 2578)

Algazi Research Interests: My research focuses on enhancing anti-tumor immune responses in patients with advanced melanoma and head & neck (HN) cancer. Anti-tumor immune responses induced by PD-1 mAbs can be limited by the absence of tumoral pro-inflammatory cytokines. Our group pioneered the use of intratumoral treatment with plasmid IL-12 and electroporation (IT-pIL12-EP) in patients with advanced HN squamous cell carcinoma (HNSCC) and I am now leading phase 2 clinical efforts to combine IT-pIL12-EP with pembrolizumab in melanoma patients. I am UCSF's Program Leader for HN Medical Oncology and Chair of the HN Research Committee. I am developing a trial portfolio focused on HNSCC immune therapy and collaborating with Jackson Laboratory developing a new mouse model with a humanized immune system to evaluate immune therapy combinations. Lastly, I am the national study chair for the continuous vs intermittent dosing of dabrafenib and trametinib trial in BRAF-inhibitor naïve patients with BRAF mutant melanoma.

http://cancer.ucsf.edu/people/profiles/algazi_alain.3320

Relationship between liver metastases and PD-1 blockade in melanoma.

Authors*: James Chi-Chiang Lee, Katy K. Tsai, Alain Patrick Algazi, Michael Rosenblum, Jeffrey Bluestone, Adil Daud

Abstract #: 3072 Abstract Link: http://abstracts.asco.org/199/AbstView_199_191526.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Developmental Therapeutics—Immunotherapy) Citation: J Clin Oncol 35, 2017 (suppl; abstr 3072)

Daud Research Interests: Our group at UCSF is focused on developing new immunotherapy agents and specifically understanding the biology of the immune response to PD-1 in melanoma. We developed IL- 12 gene therapy in melanoma and carried out the first in human clinical trial in 2005-2007. Based on this work, IL-12 electroporation is being explored in many cancers as an immune agent and as a combination treatment with PD-1 and other checkpoint inhibitors in melanoma. I have been involved in the development of anti-PD-1 antibodies for melanoma. With my colleagues Michael Rosenblum and Max Krummel at UCSF, we have developed a novel assay that profiles the intra-tumoral microenvironment in depth and can predict non-response to PD-1. We are currently exploring novel strategies for PD-1 non responsive subsets of melanoma (and potentially other cancers).

http://cancer.ucsf.edu/people/profiles/daud_adil.3622

Planned survival analysis from KEYNOTE-045: Phase 3, open-label study of pembrolizumab (pembro) versus paclitaxel, docetaxel, or vinflunine in recurrent, advanced urothelial cancer (UC).

Authors*: Dean F. Bajorin, Ronald De Wit, David J. Vaughn, Yves Fradet, Jae-Lyun Lee, Lawrence Fong, Nicholas J. Vogelzang, Miguel Ángel Climent, Daniel Peter Petrylak, Toni K. Choueiri, Andrea Necchi, Winald Gerritsen, Howard Gurney, David I Quinn, Stephane Culine, Cora N. Sternberg, Yabing Mai, Markus Puhlmann, Rodolfo F. Perini, Joaquim Bellmunt

Abstract #: 4501 Abstract Link: http://abstracts.asco.org/199/AbstView_199_188508.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:00 AM Location: Arie Crown Theater Presentation Type: Oral Abstract Session (Genitourinary (Nonprostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 4501)

Fong Research Interests: My lab focuses on how the immune system interacts with cancer as well as exploring tumor immunotherapies in mouse models and in patients. Our primary focus is in immunotherapy of GI and GU malignancies. We investigate how immunotherapies such as immune checkpoint inhibitors and cancer vaccines can enhance anti-tumor immunity both systemically and in the tumor microenvironment. Performing neoadjuvant immunotherapy trials, we determine how specific therapies can recruit immune effectors in cancer patients. Moreover, we have studied how clinical responders may differ from clinical non-responders. We are applying unbiased approaches to studying antigen-specific responses that are modulated in these patients and are currently developing biomarkers that may be predictive of clinical efficacy.

http://hemonc.ucsf.edu/fonglab/

IMmotion150: A phase II trial in untreated metastatic renal cell carcinoma (mRCC) patients (pts) of atezolizumab (atezo) and bevacizumab (bev) vs and following atezo or sunitinib (sun).

Authors*: Michael B. Atkins, David F. McDermott, Thomas Powles, Robert J. Motzer, Brian I. Rini, Lawrence Fong, Richard Wayne Joseph, Sumanta K. Pal, Mario Sznol, John D. Hainsworth, Walter Michael Stadler, Thomas E. Hutson, Alain Ravaud, Sergio Bracarda, Cristina Suarez, Toni K. Choueiri, Jiaheng Qiu, Mahrukh A. Huseni, Christina Schiff, Bernard J. Escudier

Abstract #: 4505 Abstract Link: http://abstracts.asco.org/199/AbstView_199_190962.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:00 AM Location: Arie Crown Theater Presentation Type: Oral Abstract Session (Genitourinary (Nonprostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 4505)

Fong Research Interests: My lab focuses on how the immune system interacts with cancer as well as exploring tumor immunotherapies in mouse models and in patients. Our primary focus is in immunotherapy of GI and GU malignancies. We investigate how immunotherapies such as immune checkpoint inhibitors and cancer vaccines can enhance anti-tumor immunity both systemically and in the tumor microenvironment. Performing neoadjuvant immunotherapy trials, we determine how specific therapies can recruit immune effectors in cancer patients. Moreover, we have studied how clinical responders may differ from clinical non-responders. We are applying unbiased approaches to studying antigen-specific responses that are modulated in these patients and are currently developing biomarkers that may be predictive of clinical efficacy.

http://hemonc.ucsf.edu/fonglab/

Five-year results of the ponatinib phase II PACE trial in heavily pretreated CP-CML patients (pts).

Authors*: Hagop M. Kantarjian, Javier Pinilla-Ibarz, Philipp D. Le Coutre, Ronald Paquette, Charles Chuah, Franck E. Nicolini, Jane Apperley, Hanna Jean Khoury, Moshe Talpaz, Michele Baccarani, Stephanie Lustgarten, Sergio Santillana, Francois Guilhot, Michael W.N. Deininger, Andreas Hochhaus, Timothy P. Hughes, Neil P. Shah, Jorge E. Cortes

Abstract #: 7012 Abstract Link: http://abstracts.asco.org/199/AbstView_199_183142.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Hematologic Malignancies—Leukemia, Myelodysplastic Syndromes, and Allotransplant) Citation: J Clin Oncol 35, 2017 (suppl; abstr 7012)

Shah Research Interests: The Shah lab is interested in advancing targeted therapeutics for hematologic malignancies through basic studies of in vitro and in vivo model systems to gain a better understanding of the critical vulnerabilities of malignant cells, and through translational/clinical studies of samples obtained from patients participating in early phase monotherapy clinical studies to identify, validate and override mechanisms of resistance to these agents.

http://shah.ucsf.edu/

CyFi: A phase I study exploring the role of cMET pathway inhibition with ficlatuzumab (Fi) combined with high-dose cytarabine (Cy) in patients with high risk relapsed or refractory acute myeloid leukemia (AML).

Authors*: Victoria Wang, Gabriel N. Mannis, Rebecca Leah Olin, Aaron Logan, Thomas G. Martin, Lloyd Earl Damon, Danielle Kilayko, Pamela N. Munster, Charalambos Andreadis

Abstract #: 7040 Abstract Link: http://abstracts.asco.org/199/AbstView_199_185206.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Hematologic Malignancies—Leukemia

Presentation Type: Poster Session (Hematologic Malignancies—Leukemia, Myelodysplastic Syndromes, and Allotransplant) **Citation:** J Clin Oncol 35, 2017 (suppl; abstr 7040)

Andreadis Research Interests: Dr. Andreadis studies the interplay of cancer genetics and traditional pharmacogenetics (germline) as it pertains to prognosis and treatment response in patients with cancer, and especially hematologic malignancies. His clinical experience combined with his molecular epidemiology statistical expertise have been the primary drivers for this work. He has identified patterns of gene expression in the redox stress defense pathway as significant determinants of clinical outcomes in patients with Diffuse Large B-cell Lymphoma. He is currently the PI of an international NIH-funded collaboration to study the genetic determinants of response to and toxicity of autologous transplantation among patients with AML, as part of the PGRN-CGM Global Alliance for Pharmacogenomics. This work has identified several significant host germline variants that are associated with leukemia-free survival and interact with known clinical and genetic risk factors.

http://cancer.ucsf.edu/people/profiles/andreadis_babis.3784

Impact of early landmark responses with ponatinib on 4-yr outcomes in CP-CML patients (pts) in PACE, a pivotal phase II trial.

Authors*: Martin Mueller, Michele Baccarani, Michael W.N. Deininger, Francois Guilhot, Andreas Hochhaus, Timothy P. Hughes, Neil P. Shah, Moshe Talpaz, Stephanie Lustgarten, Sergio Santillana, Victor M Rivera, Timothy Piers Clackson, Jorge E. Cortes

Abstract #: 7050 Abstract Link: http://abstracts.asco.org/199/AbstView_199_183161.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Hematologic Malignancies—Leukemia, Myelodysplastic Syndromes, and Allotransplant) Citation: J Clin Oncol 35, 2017 (suppl; abstr 7050)

Shah Research Interests: The Shah lab is interested in advancing targeted therapeutics for hematologic malignancies through basic studies of in vitro and in vivo model systems to gain a better understanding of the critical vulnerabilities of malignant cells, and through translational/clinical studies of samples obtained from patients participating in early phase monotherapy clinical studies to identify, validate and override mechanisms of resistance to these agents.

http://shah.ucsf.edu/

Intratumoral G100 to induce systemic immune responses and abscopal tumor regression in patients with follicular lymphoma.

Authors*: Christopher Flowers, Iris Isufi, Alex Francisco Herrera, Craig Okada, Elizabeth H. Cull, Bela Kis, Jorge Chaves, Nancy L. Bartlett, Locke Johnson Bryan, Roch Houot, **Weiyun Z. Ai**, Ian Chau, Kim Linton, Javier Briones, Luis de la Cruz Merino, Carlos Panizo, Gottfried Raffael Von Keudell, Hailing Lu, Frank J. Hsu, Ahmad Sami Halwani

Abstract #: 7537 Abstract Link: http://abstracts.asco.org/199/AbstView_199_188822.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Hematologic Malignancies—Lymphoma and Chronic Lymphocytic Leukemia) Citation: J Clin Oncol 35, 2017 (suppl; abstr 7537)

Inotuzumab ozogamicin in pediatric patients with relapsed/refractory acute lymphoblastic leukemia (R/R ALL)

Authors*: Deepa Bhojwani, Richard Sposto, Nirali Shah, Vilmarie Rodriguez, Maureen Megan O'Brien, Jennifer Lynn McNeer, Mignon L. Loh, Susan R. Rheingold

Abstract #: 10512 Abstract Link: http://abstracts.asco.org/199/AbstView_199_191282.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:00 AM Location: S504 Presentation Type: Oral Abstract Session (Pediatric Oncology II) Citation: J Clin Oncol 35, 2017 (suppl; abstr 10512)

Loh Research Interests: The Loh lab has focused on translating genomic and biochemical discoveries in juvenile myelomonocytic (JMML) and acute lymphoblastic leukemia (ALL) into assays and therapies that can be incorporated into clinical trials. Their work in JMML has largely focused on dissecting the genomic landscape of JMML, including descriptions of PTPN11 and CBL mutations and the discovery of CBL as a new familial tumor suppressor gene. From these discoveries, Dr. Loh established JMML CLIA molecular diagnostic testing, which is now utilized as standard testing for patients suspected of having JMML. Dr. Loh is currently Chair of the Children's Oncology Group (COG) ALL committee starting in April 2015 and responsible for supervising and implementing the next generation of national ALL trials for children, adolescents, and young adults.

http://cancer.ucsf.edu/people/profiles/loh_mignon.3407

A phase 1, multicenter, dose-escalation study of PRN1371, an irreversible covalent FGFR1-4 kinase inhibitor, in patients with advanced solid tumors, followed by expansion cohorts in patients with FGFR genetic alterations.

Authors*: Sarina Anne Piha-Paul, Cinta Hierro, Valentina Boni, Victor Moreno, Noah M. Hahn, Rhonda L. Bitting, Todd Michael Bauer, **Rahul Raj Aggarwal**, Steven Gourlay, Patrick Smith, Eleni Venetsanakos, Funda Meric-Bernstam, Ken Brameld, Dane Karr, Josep Tabernero

Abstract #: TPS2616

Abstract Link: http://abstracts.asco.org/199/AbstView_199_186932.html

Presentation Date/Time: Monday June 5, 8:00 AM to 11:30 AM

Location: Hall A

Presentation Type: Poster Session (Developmental Therapeutics—Clinical Pharmacology and Experimental Therapeutics) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS2616)

Aggarwal Research Interests: I am an Assistant Clinical Professor of Medicine in the Department of Medicine, Hematology/ Oncology within the Genitourinary Oncology and Developmental Therapeutics programs. My research program is focused upon developing novel therapeutic and imaging strategies for patients with advanced prostate cancer. I serve as Co-Investigator in the ongoing Prostate Cancer Foundation/SU2C-funded West Coast Dream Team prostate cancer consortium, focused on clinically and genomically characterizing metastatic tumor biopsies, including those with oligometastatic disease. Thus far approximately 10% of our patients have oligometastatic disease, and we anticipate a larger percentage as we begin to biopsy patients earlier in their disease course. The infrastructure of this program will provide the mechanism to genomically characterize oligometastatic disease and compare with patients with more extensive disease, to understand if there are intrinsic biologic differences between these disease subtypes.

http://cancer.ucsf.edu/people/profiles/aggarwal_rahul.7339

Phase 1 trial of CA-170, a novel oral small molecule dual inhibitor of immune checkpoints PD-1 and VISTA, in patients (pts) with advanced solid tumor or lymphomas.

Authors*: James J. Lee, John D. Powderly, Manish R. Patel, Joshua Brody, Erika Paige Hamilton, Jeffrey R. Infante, Gerald Steven Falchook, HongWei Wang, Lisa Adams, Lucy Gong, Anna W Ma, Timothy Wyant, Adam Lazorchak, Shefali Agarwal, David P. Tuck, Adil Daud

Abstract #: TPS3099 Abstract Link: http://abstracts.asco.org/199/AbstView_199_181230.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Developmental Therapeutics—Immunotherapy) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS3099)

Daud Research Interests: Our group at UCSF is focused on developing new immunotherapy agents and specifically understanding the biology of the immune response to PD-1 in melanoma. We developed IL- 12 gene therapy in melanoma and carried out the first in human clinical trial in 2005-2007. Based on this work, IL-12 electroporation is being explored in many cancers as an immune agent and as a combination treatment with PD-1 and other checkpoint inhibitors in melanoma. I have been involved in the development of anti-PD-1 antibodies for melanoma. With my colleagues Michael Rosenblum and Max Krummel at UCSF, we have developed a novel assay that profiles the intra-tumoral microenvironment in depth and can predict non-response to PD-1. We are currently exploring novel strategies for PD-1 non responsive subsets of melanoma (and potentially other cancers).

http://cancer.ucsf.edu/people/profiles/daud_adil.3622

Ironclad: A randomized phase III study of ibrutinib (Ibr) or no consolidation following autologous hematopoietic stem cell transplantation (AutoHCT) for relapsed/refractory activated-B-cell (ABC) subtype diffuse large B-cell lymphoma (DLBCL).

Authors*: Charalambos Andreadis, Timothy S Fenske, Brian Thomas Hill, Patrick J. Stiff, David L. Grinblatt, Eric D. Hsi, Todd Kelley, Kristy L. Richards, Lale Kostakoglu, Heiko Schöder, Sin-Ho Jung, Brandy Pitcher, Kristen Pike, Teri Plona, Ryan Baugher, Stephanie Mellott, Nancy L. Bartlett, John Leonard, Thomas C. Shea, Steven Michael Devine

Abstract #: TPS7566 Abstract Link: http://abstracts.asco.org/199/AbstView_199_185106.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Hematologic Malignancies—Lymphoma and Chronic Lymphocytic Leukemia) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS7566)

Andreadis Research Interests: Dr. Andreadis studies the interplay of cancer genetics and traditional pharmacogenetics (germline) as it pertains to prognosis and treatment response in patients with cancer, and especially hematologic malignancies. His clinical experience combined with his molecular epidemiology statistical expertise have been the primary drivers for this work. He has identified patterns of gene expression in the redox stress defense pathway as significant determinants of clinical outcomes in patients with Diffuse Large B-cell Lymphoma. He is currently the PI of an international NIH-funded collaboration to study the genetic determinants of response to and toxicity of autologous transplantation among patients with AML, as part of the PGRN-CGM Global Alliance for Pharmacogenomics. This work has identified several significant host germline variants that are associated with leukemia-free survival and interact with known clinical and genetic risk factors.

http://cancer.ucsf.edu/people/profiles/andreadis_babis.3784

A phase Ib study of atezolizumab (atezo) alone or in combination with lenalidomide or pomalidomide and/or daratumumab in patients (pts) with multiple myeloma (MM).

Authors*: Hearn J. Cho, Craig Cole, Thomas G. Martin, Jeffrey A. Zonder, Joseph W. Fay, Ravi Vij, John CH Byon, A. Keith Stewart, Madhav V. Dhodapkar

Abstract #: TPS8053 Abstract Link: http://abstracts.asco.org/199/AbstView_199_184260.html Presentation Date/Time: Monday June 5, 8:00 AM to 11:30 AM Location: Hall A Presentation Type: Poster Session (Hematologic Malignancies—Plasma Cell Dyscrasia) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS8053)

Martin Research Interests: Dr. Thomas Martin is a leading expert in hematological malignancies and has been the principal investigator (PI) on over 25 MM clinical trials. His clinical research also includes translational studies designed to address the genetics of MM, the role of the microenvironment as well as discovery of biomarkers for patient selection and response to anti-MM therapeutics.

http://cancer.ucsf.edu/research/multiple-myeloma/mmti/mmti_team#martin

Pembrolizumab plus standard neoadjuvant therapy for high-risk breast cancer (BC): Results from I-SPY 2.

Authors*: Rita Nanda, Minetta C. Liu, Christina Yau, Smita Asare, Nola Hylton, Laura Van't Veer, Jane Perlmutter, Anne M. Wallace, Amy Jo Chien, Andres Forero-Torres, Erin Ellis, Heather Han, Amy Sanders Clark, Kathy S. Albain, Hope S. Rugo, Laura van 't Veer, Judy Caroline Boughey, Anthony D. Elias, Donald A. Berry, Douglas Yee, Angela DeMichele, Laura Esserman

Abstract #: 506 Abstract Link: http://abstracts.asco.org/199/AbstView_199_194235.html Presentation Date/Time: Monday June 5, 9:45 AM to 12:45 PM Location: Hall D2 Presentation Type: Oral Abstract Session (Breast Cancer—Local/Regional/Adjuvant) Citation: J Clin Oncol 35, 2017 (suppl; abstr 506)

Essereman Research Interests: Dr. Esserman, surgeon & breast cancer oncology specialist, is the Carol Franc Buck Breast Care Center Director and co-leads the Breast Oncology Program. Her research is on improving healthcare value through integrating translational science, clinical informatics, systems re-engineering & clinical care delivery. In 2005, she received the NCI SPORE Investigator of the Year Award. In 2016 she received the Arbuckle Award from Stanford Graduate School of Business for Excellence in Management & was named to TIME's 100 most influential people list. She is PI of the I-SPY TRIAL program, now a model for translational research & innovation in clinical trial design. She launched the Athena Breast Health Network to follow women from screening through treatment & outcomes, incorporating the latest in molecular testing & webbased tools. Athena just launched the WISDOM study to compare personalized vs annual breast cancer screening in 100,000 women and to predict who gets what kind of cancer.

http://profiles.ucsf.edu/laura.esserman

Translating Biomarkers Into Clinical Practice

Authors*: Chloe Evelyn Atreya

Abstract #: Abstract Link: Presentation Date/Time: Monday June 5, 12:10 AM - 12:30 PM Location: Hall D1 Presentation Type: Education Session Citation:

Atreya Research Interests: Dr. Atreya specializes in gastrointestinal cancer, particularly colorectal cancer. Her research focuses on the interplay of tumor genetics and response to therapies for colorectal cancer, with the goal of improving patient outcomes and quality of life by personalizing treatment. Dr. Atreya is the recipient of numerous awards, including the Conquer Cancer Foundation of the American Society of Clinical Oncology Young Investigator Award, Alliance for Clinical Trials in Oncology Foundation Investigator Award and she received a Marcus Program in Precision Medicine Innovation award in 2017. She is the recipient of a National Cancer Institute/National Institutes of Health K08 Career Development Award for Targeting of Aberrant Signaling in Patient-Derived Colorectal Cancer Models. Dr. Atreya is a member of the American Society of Clinical Oncologists, American Association of Cancer Researchers and Alliance for Clinical Trials in Oncology, Gastrointestinal Committee.

http://cancer.ucsf.edu/gi/chloe-atreya

Effects of gene penetrance on adherence to breast cancer screening recommendations (BCSR) among high-risk women.

Authors*: Jacqueline Talea Desjardin, Mallika Sachdev Dhawan, Amie Blanco, Pamela N. Munster

Abstract #: 1515 Abstract Link: http://abstracts.asco.org/199/AbstView_199_184571.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Cancer Prevention, Genetics and Epidemiology) Citation: J Clin Oncol 35, 2017 (suppl; abstr 1515)

Munster Research Interests: Our lab is interested in developing novel strategies to overcome hormone therapy resistance in breast cancer.

http://cancer.ucsf.edu/people/profiles/munster_pamela.3449

Determining the clinical value of germline genetic testing coupled with tumor mutation profiling.

Authors*: Edward Esplin, Shan Yang, Scott T. Michalski, Karen Ouyang, Jennifer Fulbright, Barbara Hamlington, Karl Erhard, Hio Chung Kang, Carli Tejada, Michelle Jacobs, Stephen E Lincoln, Robert L. Nussbaum, Amie Blanco

Abstract #: 1577 Abstract Link: http://abstracts.asco.org/199/AbstView_199_184744.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Cancer Prevention, Genetics, and Epidemiology) Citation: J Clin Oncol 35, 2017 (suppl; abstr 1577)

NCCTG N1174: Phase I/comparative randomized phase (Ph) II trial of TRC105 plus bevacizumab versus bevacizumab in recurrent glioblastoma (GBM) (Alliance).

Authors*: Evanthia Galanis, S. Keith Anderson, Nicholas A. Butowski, Adilia Hormigo, David Schiff, David Dinh Tran, Antonio Marcilio Padula Omuro, Kurt A. Jaeckle, Shaji Kumar, Timothy J. Kaufmann, Jan C. Buckner, Erin Twohy, Caterina Giannini, Patrick Y. Wen

Abstract #: 2023 Abstract Link: http://abstracts.asco.org/199/AbstView_199_192700.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Central Nervous System Tumors) Citation: J Clin Oncol 35, 2017 (suppl; abstr 2023)

Butowski Research Interests: My research includes translational research and a wide range of clinical trials, including those with convection-enhanced delivery (CED) with real-time MRI imaging, targeted agents, immunotherapy, and combination strategies. I am the Director of Translational Research in Neuro-Oncology and lead the translational effort on behalf of the UCSF Brain Tumor Research Center and Preclinical Core. My work has helped to create the groundwork for allied research in neuro-oncology and an extensive UCSF clinical trial portfolio for patients with primary brain and spine tumors, including an assortment of immunotherapy trials and surgically based trials. I have also designed investigator initiated trials, including a clinical trial employing intratumoral delivery with real-time MRI imaging as well as those with a range of novel targets, molecular markers and imaging biomarkers.

https://www.ucsfhealth.org/nicholas.butowski

Association of aggressive resection with survival and progression-free survival in adult low-grade glioma: A systematic review and meta-analysis with numbers needed to treat

Authors*: Timothy J Brown, Daniela Annenelie Bota, Elizabeth A. Maher, Dawit Gebremichael Aregawi, Linda M. Liau, Paul D. Brown, Jan C. Buckner, Michael Weller, Martin J. Van Den Bent, **Mitchel S. Berger,** Michael J. Glantz

Abstract #: 2025 Abstract Link: http://abstracts.asco.org/199/AbstView_199_194822.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Central Nervous System Tumors) Citation: J Clin Oncol 35, 2017 (suppl; abstr 2025)

Berger Research Interests: Dr. Berger's clinical interests are the treatment of brain tumors and of epilepsy related to brain tumors. He has extensive expertise in intraoperative mapping of the brain to identify the sites of motor, sensory, and language function and thereby avoid their involvement or injury during surgery. His research interests involve identifying molecular markers in gliomas as correlates of tumor progression and prognosis. With his collaborators, he also tests small molecule inhibitors in brain tumors using the drug delivery technique of convection enhanced delivery and carries out functional mapping localization of language pathways in the brain. He is a co-investigator in UCSF's HDFCCC effort to develop immunoliposome-directed targeted therapy for gliomas that express EGF receptors. Dr. Berger is currently the PI of UCSF's SPORE Brain Tumor Program, funded by the NCI and NINDS and he was named to the NCI's Blue Ribbon Panel for the National Cancer Moonshot Initiative.

http://neurosurgery.ucsf.edu/index.php/about_us_faculty_berger.html

Phase 2 study to evaluate safety and efficacy of MEDI4736 (durvalumab [DUR]) in glioblastoma (GBM) patients: An update

Authors*: David A. Reardon, Thomas Joseph Kaley, Jorg Dietrich, Jennifer Leigh Clarke, Gavin P Dunn, Michael Lim, Timothy Francis Cloughesy, Hui Kong Gan, Andrew J. Park, Paul Schwarzenberger, Toni Ricciardi, Mary J. Macri, Aileen Ryan, Ralph Rudolph Venhaus

Abstract #: 2042 Abstract Link: http://abstracts.asco.org/199/AbstView_199_191980.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Central Nervous System Tumors) Citation: J Clin Oncol 35, 2017 (suppl; abstr 2042)

Clarke Research Interests: Dr. Clarke specializes in novel approaches to the treatment of brain tumors in adult patients. As a member of the Brain Tumor Research Center, she is a PI and co-investigator on single-institution clinical trials designed and run at UCSF, as well as multi-institution trials through the National Cancer Institute's Adult Brain Tumor Consortium. In addition to the design of clinical trials, her research interests include novel imaging methods of characterizing tumors and their response to treatment. In particular, she is interested in the delineation of treatment effect from recurrent tumor, and in the imaging of tumors in patients receiving anti-angiogenic agents, and in treatment of patients with low-grade gliomas. Other research interests include the evaluation of molecular methods of characterizing tumors and the assessment/ improvement of quality of life in brain tumor patients.

http://cancer.ucsf.edu/people/profiles/clarke_jennifer.3325

Quantifying the benefit of chemotherapy and radiation in low-grade glioma: A systematic review and meta-analysis of numbers needed to treat

Authors*: Timothy J Brown, Daniela Annenelie Bota, Elizabeth A. Maher, Dawit Gebremichael Aregawi, Linda M. Liau, Paul D. Brown, Jan C. Buckner, Michael Weller, Martin J. Van Den Bent, **Mitchel S. Berger,** Michael J. Glantz

Abstract #: 2057 Abstract Link: http://abstracts.asco.org/199/AbstView_199_194737.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Central Nervous System Tumors) Citation: J Clin Oncol 35, 2017 (suppl; abstr 2057)

Berger Research Interests: Dr. Berger's clinical interests are the treatment of brain tumors and of epilepsy related to brain tumors. He has extensive expertise in intraoperative mapping of the brain to identify the sites of motor, sensory, and language function and thereby avoid their involvement or injury during surgery. His research interests involve identifying molecular markers in gliomas as correlates of tumor progression and prognosis. With his collaborators, he also tests small molecule inhibitors in brain tumors using the drug delivery technique of convection enhanced delivery and carries out functional mapping localization of language pathways in the brain. He is a co-investigator in UCSF's HDFCCC effort to develop immunoliposome-directed targeted therapy for gliomas that express EGF receptors. Dr. Berger is currently the PI of UCSF's SPORE Brain Tumor Program, funded by the NCI and NINDS and he was named to the NCI's Blue Ribbon Panel for the National Cancer Moonshot Initiative.

http://neurosurgery.ucsf.edu/index.php/about_us_faculty_berger.html

Epacadostat plus nivolumab in patients with advanced solid tumors: Preliminary phase I/II results of ECHO-204.

Authors*: Raymond P. Perez, Matthew John Riese, Karl D. Lewis, Mansoor N. Saleh, Adil Daud, Jordan Berlin, James J. Lee, Sutapa Mukhopadhyay, Li Zhou, Gul Serbest, Omid Hamid

Abstract #: 3003 Abstract Link: http://abstracts.asco.org/199/AbstView_199_184081.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:15 PM Location: Hall D1 Presentation Type: Oral Abstract Session (Developmental Therapeutics—Immunotherapy) Citation: J Clin Oncol 35, 2017 (suppl; abstr 3003)

Daud Research Interests: Our group at UCSF is focused on developing new immunotherapy agents and specifically understanding the biology of the immune response to PD-1 in melanoma. We developed IL- 12 gene therapy in melanoma and carried out the first in human clinical trial in 2005-2007. Based on this work, IL-12 electroporation is being explored in many cancers as an immune agent and as a combination treatment with PD-1 and other checkpoint inhibitors in melanoma. I have been involved in the development of anti-PD-1 antibodies for melanoma. With my colleagues Michael Rosenblum and Max Krummel at UCSF, we have developed a novel assay that profiles the intra-tumoral microenvironment in depth and can predict non-response to PD-1. We are currently exploring novel strategies for PD-1 non responsive subsets of melanoma (and potentially other cancers).

http://cancer.ucsf.edu/people/profiles/daud_adil.3622

Safety and clinical activity of adenosine A2a receptor (A2aR) antagonist, CPI-444, in anti-PD1/PDL1 treatment-refractory renal cell (RCC) and non-small cell lung cancer (NSCLC) patients.

Authors*: Lawrence Fong, Patrick M. Forde, John D. Powderly, Jonathan Wade Goldman, John J. Nemunaitis, Jason John Luke, Matthew David Hellmann, Shivaani Kummar, Robert Charles Doebele, Daruka Mahadevan, Shirish M. Gadgeel, Brett Gordon Maxwell Hughes, Ben Markman, Matthew John Riese, Joshua Brody, Leisha A. Emens, Ian McCaffery, Richard Alan Miller, Ginna Laport

Abstract #: 3004 Abstract Link: http://abstracts.asco.org/199/AbstView_199_186068.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:15 PM Location: Hall D1 Presentation Type: Oral Abstract Session (Developmental Therapeutics—Immunotherapy) Citation: J Clin Oncol 35, 2017 (suppl; abstr 3004)

Fong Research Interests: My lab focuses on how the immune system interacts with cancer as well as exploring tumor immunotherapies in mouse models and in patients. Our primary focus is in immunotherapy of GI and GU malignancies. We investigate how immunotherapies such as immune checkpoint inhibitors and cancer vaccines can enhance anti-tumor immunity both systemically and in the tumor microenvironment. Performing neoadjuvant immunotherapy trials, we determine how specific therapies can recruit immune effectors in cancer patients. Moreover, we have studied how clinical responders may differ from clinical non-responders. We are applying unbiased approaches to studying antigen-specific responses that are modulated in these patients and are currently developing biomarkers that may be predictive of clinical efficacy.

http://hemonc.ucsf.edu/fonglab/

Sipuleucel-T (sip-T) to induce cytolytic T lymphocyte (CTL) activity against target antigens in men with hormone-sensitive and castration-resistant prostate cancer (CRPC).

Authors*: Charles G. Drake, Emmanuel S. Antonarakis, Daniel Peter Petrylak, David I. Quinn, Adam S. Kibel, Nancy N. Chang, Erica Dearstyne, Dwayne Campogan, Heather Haynes, Tuyen Vu, Nadeem Anwar Sheikh, Eric Jay Small

Abstract #: 5046 Abstract Link: http://abstracts.asco.org/199/AbstView_199_181395.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Genitourinary (Prostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 5046)

Small Research Interests: The Stand Up To Cancer Dream Team led by Dr. Eric Small is exploring the idea that resistance to hormonal therapy occurs as a result of the prostate cancer cells using common cellular responses - what the Dream Team calls "adaptive pathways" - to escape the current prostate cancer therapies. They believe that, by identifying these pathways and inhibiting them, they will be able to overcome treatment resistance and profoundly improve the care of men affected by this fatal disease. This team is a six institution consortium to include UC Los Angeles, UC Davis, UC Santa Cruz, University of British Columbia, Oregon Health and Sciences University, with UCSF as the lead administrative site.

http://cancer.ucsf.edu/people/profiles/small_eric.3671

Incidence of intrathoracic (IT) metastases detected by 68Ga-PSMA-11 PET in early stage prostate cancer (PC).

Authors*: Rahul Raj Aggarwal, Matthew R. Cooperberg, Hao Gia Nguyen, Eric Jay Small, Charles J. Ryan, Felix Yi-Chung Feng, Albert Chang, Kirsten L Greene, Peter Carroll, Tom Hope

Abstract #: 5056 Abstract Link: http://abstracts.asco.org/199/AbstView_199_188063.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Genitourinary (Prostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 5056)

Hope Research Interests: Dr. Hope's research is focused on imaging cancer using MRI and novel PET tracers. At UCSF, he developed the gallium-68 DOTA-TOC imaging program for neuroendocrine tumor staging. He has also successfully brought Ga-68 PSMA imaging to UCSF and is evaluating the clinical use of this agent. He is interested in using somatostatin receptor and PSMA based PET agents in order to distinguish neuroendocrine prostate cancer from adenocarcinoma. Additionally, he is assessing the use of combining MR and PET parameters to aid in the staging of cancer, starting with evaluating the use of PET/MRI using Ga-68 PSMA and MR imaging of the primary tumor in low risk prostatectomy patients. He is also interested in translating targeted imaging into therapeutic agents at UCSF, and is currently developing trials using Y90-DOTATOC and Lu177-PSMA-617 to treat patients with neuroendocrine tumors and prostate cancer.

http://cancer.ucsf.edu/people/profiles/hope_thomas.7336

Effect of Ga-68 PSMA-11 PET on management in patients with recurrent prostate cancer.

Authors*: Tom Hope, Rahul Raj Aggarwal, Kirsten L Greene, Bryant Chee, Dora Tao, Felix Yi-Chung Feng, Albert Chang, Matthew R. Cooperberg, Charles J. Ryan, Eric Jay Small, Peter Carroll

Abstract #: 5057 Abstract Link: http://abstracts.asco.org/199/AbstView_199_188380.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Genitourinary (Prostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 5057)

Carroll Research Interests: Dr. Carroll's prostate cancer research interests include identifying clinical and pathologic determinants of disease recurrence, progression, and mortality; and improving diagnostics and prognostics. He is an international leader in utilizing active surveillance for men with low risk cancer, collaborating in numerous studies to refine eligibility, safety, and monitoring for surveillance. He is PI for CaPSURE, a disease registry of over 15,000 men enrolled at 43 sites nationwide. Other prostate cancer research efforts focus on quantitative metabolic, molecular, and imaging markers and lifestyle factors as novel predictors of disease progression to distinguish patients who may safely avoid radical treatment from those who may benefit from early treatment. In 2013, he was awarded a \$9.35 million-dollar Department of Defense Prostate Cancer Research Program Transformative Impact Award to "transform and revolutionize" the treatment of prostate cancer.

http://cancer.ucsf.edu/people/profiles/carroll_peter

Serum androgens and survival in metastatic castration resistant prostate cancer (mCRPC) patients treated with docetaxel and prednisone: Results from CALGB 90401 (Alliance).

Authors*: Charles J. Ryan, Sandipan Dutta, William Kevin Kelly, Rob Middleberg, Carly Russell, Eric Jay Small, Michael J. Morris, Mary-Ellen Taplin, Susan Halabi

Abstract #: 5067 Abstract Link: http://abstracts.asco.org/199/AbstView_199_193202.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Genitourinary (Prostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 5067)

Identification of low prostate-specific antigen, high Gleason prostate cancer as a unique hormone-resistant entity with poor survival: A contemporary analysis of 640,000 patients.

Authors*: David Dewei Yang, Brandon Arvin Virgil Mahal, Christopher Sweeney, Quoc-Dien Trinh, Felix Yi-Chung Feng, Paul L. Nguyen

Abstract #: 5080 Abstract Link: http://abstracts.asco.org/199/AbstView_199_191257.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Genitourinary (Prostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 5080)

Comparison of comorbidity measures to predict postoperative lung cancer survival in the National Cancer Database (AFT-03).

Authors*: Melisa L. Wong, Timothy L. McMurry, George J. Stukenborg, Amanda B. Francescatti, Carla Amato-Martz, Jessica R. Schumacher, Caprice Christian Greenberg, George J. Chang, David P Winchester, Daniel P. McKellar, Louise Christie Walter, Benjamin D. Kozower

Abstract #: 6519 Abstract Link: http://abstracts.asco.org/199/AbstView_199_181092.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Health Services Research, Clinical Informatics, and Quality of Care) Citation: J Clin Oncol 35, 2017 (suppl; abstr 6519)

Walter Research Interests: Dr. Walter is a clinician-researcher who is a national leader in evaluating the real-world risks and benefits of cancer screening in older patients. Dr. Walter joined the UCSF faculty in July 2001, and she is a geriatrician at the San Francisco VA Medical Center. She has developed novel methodology demonstrating the fundamental importance of life expectancy rather than age in determining benefits and risks of screening. Virtually every cancer screening guideline cites her research. In addition, Dr. Walter led a series of seminal studies demonstrating decisions to screen older adults for cancer are often dictated more by age than health such that many patients in poor health continue to undergo screening while many healthy older patients fail to get screened. Also, she discovered that cancer screening frequently leads to significant harms without benefit in patients in poor health and developed a taxonomy and quantification of screening harms.

http://cancer.ucsf.edu/people/profiles/walter_louise.3728

Understanding the non-curative potential of palliative chemotherapy: Do patients hear what they want to hear?

Authors*: Andrea Catherine Enzinger, Jen Wind, Elizabeth Frank, Nadine Jackson McCleary, Christine Cronin, Hanna Kelly Sanoff, Katherine Van Loon, Khalid Matin, Andrea J. Bullock, Neal J. Meropol, Hajime Uno, Deborah Schrag

Abstract #: 6575 Abstract Link: http://abstracts.asco.org/199/AbstView_199_190081.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Health Services Research, Clinical Informatics, and Quality of Care) Citation: J Clin Oncol 35, 2017 (suppl; abstr 6575)

Van Loon Research Interests: Dr. Van Loon is a gastrointestinal cancer specialist, with a particular interest in colorectal cancer. In particular Dr. Van Loon's research is focused on epidemiology and outcomes research in gastrointestinal malignancies. She has a longstanding interest in global health, and her research has also focused on the epidemiology of gastrointestinal cancers in the developing world.

http://cancer.ucsf.edu/gi/katherine-van-loon

A randomized phase II trial of abiraterone, olaparib or abiraterone + olaparib in patients with metastatic castration-resistant prostate cancer with DNA repair defects.

Authors*: Zachery Reichert, Benedito A. Carneiro, Stephanie Daignault-Newton, Amanda Sullivan, Felix Yi-Chung Feng, Todd Matthew Morgan, Scott A. Tomlins, Arul M. Chinnaiyan, Maha Hussain

Abstract #: TPS5086 Abstract Link: http://abstracts.asco.org/199/AbstView_199_181486.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Genitourinary (Prostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS5086)

Trial of rucaparib in prostate indications 3 (TRITON3): An international, multicenter, randomized, open-label phase 3 study of rucaparib vs physician's choice of therapy for patients (Pts) with metastatic castration-resistant prostate cancer (mCRPC) associated with homologous recombination deficiency (HRD).

Authors*: Charles J. Ryan, Simon Paul Watkins, Darrin Despain, Chris Alan Karlovich, Andrew Simmons, Anthony A. Golsorkhi, Simon Chowdhury

Abstract #: TPS5087 Abstract Link: http://abstracts.asco.org/199/AbstView_199_182061.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Genitourinary (Prostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS5087)

A randomized study of enzalutamide in patients with localized prostate cancer undergoing active surveillance (ENACT).

Authors*: Neal D. Shore, Srinivas Vourganti, Jonathan L. Silberstein, Bruce A. Brown, Samuel Wilson, Courtney M.P. Hollowell, Matthew Cooperberg, Gwendoline Shang, Neil Eric Fleshner

Abstract #: TPS5097 Abstract Link: http://abstracts.asco.org/199/AbstView_199_189841.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Genitourinary (Prostate) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS5097)

Cooperberg Research Interests: Dr. Cooperberg's clinical interests are early detection, diagnosis & management of GU malignancy & using minimally invasive techniques for GU treatment. He performs robotic, laparoscopic, endoscopic, percutaneous surgeries & is interested in risk-stratifying GU tumors and matching treatments with patients based on clinical, imaging & biomarker data. His research focus is prostate cancer, particularly in 1) health services research, documenting trends & regional variation in the use of diagnostic, imaging & therapeutic interventions; 2) risk assessment, developing & validating prognostic tools; 3) comparative effectiveness research, examining the relative benefits of treatments in terms of cancer control, QoL, & cost; and 4) decision support and survivorship, helping men make better-informed decisions about treatment options & management. He has helped the American Urological Association launch the national AUA Quality registry & continues to serve as senior physician advisor to the project.

http://cancer.ucsf.edu/people/profiles/cooperberg_matthew

A randomized phase II study of chemoradiation (CRT) +/- nivolumab (Nivo) with sequential safety evaluations of Nivo +/- lirilumab (Liri) or ipilumumab (Ipi) concomitant with (C) RT in intermediate (IR) and high-risk (HR) head and neck squamous cell carcinoma (HNSCC) (RTOG 3504, NCT02764593).

Authors*: Maura L. Gillison, Robert L. Ferris, Qiang Zhang, A. Dimitrios Colevas, Loren K. Mell, Christina Kong, Richard Jordan, Kevin Moore, Minh Tam Truong, Claudia Kirsch, Mitchell Machtay, Walter John Curran, Quynh-Thu Le

Abstract #: TPS6097 Abstract Link: http://abstracts.asco.org/199/AbstView_199_187733.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Head and Neck Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS6097)

Jordan Research Interests: Dr. Jordan is a pathologist with expertise in the diagnosis of head and neck (HN)/oral tumors. He is the Director of the NRG Oncology Biospecimen Banks with biobanking locations in San Francisco, Houston, Pittsburgh and the Nationwide Children's Hospital in Columbus. It is the largest of the 5 NCI funded co-operative cancer groups enrolling patients into late stage phase 2/phase 3 cancer clinical trials. Dr. Jordan has led and contributed to a wide range of scientific investigation from biologically based, mechanistic studies examining the development of oral cancer, lymphoma and salivary gland diseases to epidemiological studies of these and other cancers. He and collaborators established the now widely cited methods to quantify DNA and RNA aberrations in material sourced from paraffin embedded tissues. His specific research interest includes the studying the role of HPV16 in HN cancer and the development of more reproducible method to report p16 results for HPV positive HN cancer.

http://cancer.ucsf.edu/people/profiles/jordan_richard.3466

Objective assessment of physical activity during chemotherapy for breast cancer.

Authors*: Michelle E. Melisko, Edward Kenji Hadeler, Sandahl H Nelson, Audrey Lunde, Irene Acerbi, Hope S. Rugo, Melanie Catherine Majure, Amy Jo Chien, Laura Esserman, Sheri J. Hartman

Abstract #: TPS6626 Abstract Link: http://abstracts.asco.org/199/AbstView_199_192012.html Presentation Date/Time: Monday June 5, 1:15 PM to 4:45 PM Location: Hall A Presentation Type: Poster Session (Health Services Research, Clinical Informatics, and Quality of Care) Citation: J Clin Oncol 35, 2017 (suppl; abstr TPS6626)

Melisko Research Interests: Dr. Michelle E. Melisko is a cancer specialist with expertise in breast cancer treatment and research. She is involved in testing new chemotherapy combinations, biological therapies and immunotherapies for breast cancer, with a particular focus on brain metastases and leptomeningeal disease. She has led multiple trials investigating supportive care interventions for breast cancer patients and is also leading efforts to incorporate Patient Reported Outcomes more consistently in clinical trials.

http://cancer.ucsf.edu/people/profiles/melisko_michelle.3389

Primary (1°) tumor location as an independent prognostic marker from molecular features for overall survival (OS) in patients (pts) with metastatic colorectal cancer (mCRC): Analysis of CALGB / SWOG 80405 (Alliance).

Authors*: Alan P. Venook, Fang-Shu Ou, Heinz-Josef Lenz, Omar Kabbarah, Xueping Qu, Donna Niedzwiecki, Tyler Zemla, Richard M. Goldberg, Howard S. Hochster, Bert H. O'Neil, Hanna Kelly Sanoff, Robert J. Mayer, Monica M. Bertagnolli, Charles David Blanke, Federico Innocenti

Abstract #: 3503 Abstract Link: http://abstracts.asco.org/199/AbstView_199_183226.html Presentation Date/Time: Monday June 5, 3:00 PM to 6:00 PM Location: Hall D2 Presentation Type: Oral Abstract Session (Gastrointestinal (Colorectal) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 3503

Venook Research Interests: Dr. Alan Venook is an internationally renowned expert in colorectal and liver cancers at the UCSF Helen Diller Family Comprehensive Cancer Center. He is highly regarded for his expertise in the effective use of the newest approaches and therapies to the treatment of colorectal cancer as well as treating primary and metastatic tumors to the liver. Dr. Venook has led and/or authored six major studies within the cooperative groups and served as Chair of the GI Committee of the Alliance for Clinical Trials in Oncology (formerly CALGB) from 2010-2015.

http://cancer.ucsf.edu/people/profiles/venook_alan.3698

Randomized trial of irinotecan and cetuximab with or without vemurafenib in BRAF-mutant metastatic colorectal cancer (SWOG S1406).

Authors*: Scott Kopetz, Shannon L McDonough, Heinz-Josef Lenz, Anthony Martin Magliocco, Chloe Evelyn Atreya, Luis A. Diaz, Carmen Joseph Allegra, Kanwal Pratap Singh Raghav, Van Karlyle Morris, Stephen E. Wang, Christopher Hanyoung Lieu, Katherine A Guthrie, Howard S. Hochster

Abstract #: 3505 Abstract Link: http://abstracts.asco.org/199/AbstView_199_194502.html Presentation Date/Time: Monday June 5, 3:00 PM to 6:00 PM Location: Hall D2 Presentation Type: Oral Abstact Session (Gastrointestinal (Colorectal) Cancer) Citation: J Clin Oncol 35, 2017 (suppl; abstr 3505)

Atreya Research Interests: Dr. Atreya specializes in gastrointestinal cancer, particularly colorectal cancer. Her research focuses on the interplay of tumor genetics and response to therapies for colorectal cancer, with the goal of improving patient outcomes and quality of life by personalizing treatment. Dr. Atreya is the recipient of numerous awards, including the Conquer Cancer Foundation of the American Society of Clinical Oncology Young Investigator Award, Alliance for Clinical Trials in Oncology Foundation Investigator Award and she received a Marcus Program in Precision Medicine Innovation award in 2017. She is the recipient of a National Cancer Institute/National Institutes of Health K08 Career Development Award for Targeting of Aberrant Signaling in Patient-Derived Colorectal Cancer Models. Dr. Atreya is a member of the American Society of Clinical Oncologists, American Association of Cancer Researchers and Alliance for Clinical Trials in Oncology, Gastrointestinal Committee.

http://cancer.ucsf.edu/gi/chloe-atreya

Tuesday, June 6:

Impact of consensus molecular subtyping (CMS) on overall survival (OS) and progression free survival (PFS) in patients (pts) with metastatic colorectal cancer (mCRC): Analysis of CALGB/SWOG 80405 (Alliance).

Authors*: Heinz-Josef Lenz, Fang-Shu Ou, Alan P. Venook, Howard S. Hochster, Donna Niedzwiecki, Richard M. Goldberg, Robert J. Mayer, Monica M. Bertagnolli, Charles David Blanke, Tyler Zemla, Xueping Qu, Federico Innocenti, Omar Kabbarah

Abstract #: 3511 Abstract Link: http://abstracts.asco.org/199/AbstView_199_188347.html Presentation Date/Time: Tuesday June 6, 9:45 AM to 11:15 AM Location: E354b Presentation Type: Clinical Science Symposium (Making Sense of Consensus Molecular Subtypes) Citation: J Clin Oncol 35, 2017 (suppl; abstr 3511)

Venook Research Interests: Dr. Alan Venook is an internationally renowned expert in colorectal and liver cancers at the UCSF Helen Diller Family Comprehensive Cancer Center. He is highly regarded for his expertise in the effective use of the newest approaches and therapies to the treatment of colorectal cancer, as well treating primary and metastatic tumors to the liver. Dr. Venook has led and/or authored six major studies within the cooperative groups and served as Chair of the GI Committee of the Alliance for Clinical Trials in Oncology (formerly CALGB) from 2010-2015.

http://cancer.ucsf.edu/people/profiles/venook_alan.3698

Deep molecular response to gilteritinib to improve survival in FLT3 mutationpositive relapsed/refractory acute myeloid leukemia.

Authors*: Jessica K. Altman, Alexander E. Perl, Jorge E. Cortes, **Catherine Choy Smith**, Mark Robert Litzow, Jason E Hill, Richard A. Larson, Charles Liu, Ellen K. Ritchie, Stephen Anthony Strickland, Eunice S. Wang, Andreas Neubauer, Giovanni Martinelli, Erkut Bahceci, Mark J. Levis

Abstract #: 7003 Abstract Link: http://abstracts.asco.org/199/AbstView_199_183517.html Presentation Date/Time: Tuesday June 6, 9:45 AM to 12:45 PM Location: E450ab Presentation Type: Oral Abstract Session (Hematologic Malignancies—Leukemia, Myelodysplastic Syndromes, and Allotransplant) Citation: J Clin Oncol 35, 2017 (suppl; abstr 7003)

Smith Research Interests: The Smith laboratory focuses on identification of therapeutic resistance mechanisms and novel treatment strategies for acute myeloid leukemia (AML), particularly AML associated with mutations in Fms-like Tyrosine Kinase-3 (FLT3). FLT3 is the most frequently mutated gene in AML, with constitutively activating FLT3 internal tandem duplication (ITD) mutations conferring a poor prognosis. They employ a prototypical "bedside to bench and back" approach to the problem of cancer drug resistance, founded on the belief that the ultimate pathway to improved cancer therapy begins with translational studies that utilize samples from patients who have undergone therapy in real time. This strategy allows them to interrogate how tumors can evolve under the selective pressure of cancer therapy and allows them to devise ways to circumvent these evolutionary adaptations.

http://cancer.ucsf.edu/people/profiles/smith_catherine.3369

Allogeneic hematopoietic cell transplant (alloHCT) for hematologic malignancies in human immunodeficiency virus infected (HIV) patients (pts): Blood and Marrow Transplant Clinical Trials Network (BMT CTN 0903)/AIDS Malignancy Consortium (AMC-080) trial.

Authors*: Richard F. Ambinder, Juan Wu, Brent Logan, Christine Durand, Ryan Shields, Uday R. Popat, Richard F. Little, Deborah Mcmahon, John Watson Mellors, Ernesto Ayala, Lawrence D. Kaplan, Ariela Noy, Alan Howard, Stephen J. Forman, Adam M Mendizabal, Mary M. Horowitz, Willis H. Navarro, Joseph C. Alvarnas

Abstract #: 7006 Abstract Link: http://abstracts.asco.org/199/AbstView_199_187761.html Presentation Date/Time: Tuesday June 6, 9:45 AM to 12:45 PM Location: E450ab Presentation Type: Oral Abstract Session (Hematologic Malignancies—Leukemia, Myelodysplastic Syndromes, and Allotransplant) Citation: J Clin Oncol 35, 2017 (suppl; abstr 7006)

Long term follow up (LTFU) of adjuvant zoledronic acid (ZOL) in high risk early stage breast cancer (ESBC) defined by bone marrow (BM) disseminated tumor cells (DTC).

Authors*: Neelima Vidula, Jimmy Hwang, Sally Greenberg, Michelle E. Melisko, Andrei Goga, Mark Moasser, Ariadna Gasol Cudos, Austin Nicholas Angelidakis, Amy DeLuca, Laura A Petrillo, Mark Jesus Mendoza Magbanua, John Park, Hope S. Rugo

Abstract #: e12001 Abstract Link: http://abstracts.asco.org/199/AbstView_199_194837.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: J Clin Oncol 35, 2017 (suppl; abstr e12001)

Rugo Research Interests: Dr. Rugo, Director of Breast Oncology & Clinical Trials Education, is PI on multiple clinical trials focusing on combining novel targeted therapeutics to improve the treatment of both early & late stage breast cancer (BC). She also works on studies to improve supportive care for early & late stage BC patients, including with UCSF's Advanced Breast Cancer Program. Dr. Rugo has numerous collaborations with large academic medical centers & consortia in order to expand the novel therapies available to patients. She was the director of the 2016 ASCO Breast Cancer Education Committee meeting, is a member of the Alliance & is a founding member of the translational Breast Cancer Research Consortium where she co-leads the triple negative working group. She is on the novel agents committee and leads the safety committee for the neoadjuvant multi-center I SPY2 trial. At UCSF, Dr. Rugo runs the Breast Forum, a bimonthly educational session for breast cancer patients, families & friends from throughout the bay area.

http://cancer.ucsf.edu/people/profiles/rugo_hope.3648

Diagnostic accuracy of core needle biopsy by image guidance and vacuum assistance.

Authors*: Firas M Dabbous, Sarah M. Friedewald, Ellen O'Meara, Donald L. Weaver, Karen Wernli, Kimberly Ray, Garth H Rauscher

Abstract #: e12081 Abstract Link: http://abstracts.asco.org/199/AbstView_199_194145.html Presentation Date/Time: online only Location: online only Presentation Type: Category: Breast Cancer—Local/Regional/Adjuvant Citation: J Clin Oncol 35, 2017 (suppl; abstr e12081)

Breast tumor location in BRCA mutation carriers and implications for prevention.

Authors*: Ava Hosseini, Laura Esserman, Anne M. Wallace, Amal Khoury, Alfred Au, Rita Mukhtar

Abstract #: e13048 Abstract Link: http://abstracts.asco.org/199/AbstView_199_192928.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: J Clin Oncol 35, 2017 (suppl; abstr e13048)

Mukhtar Research Interests: Dr. Mukhtar is a General and Breast Oncologic Surgeon at UCSF. She currently practices acute care general surgery and breast surgery, including treatment of benign and malignant breast disease. Her research interest is in genetic causes of breast cancer, prevention, and invasive lobular carcinoma of the breast.

http://cancer.ucsf.edu/people/profiles/mukhtar_rita.8218

Emergency department presentation with colorectal cancer

Authors*: Yasmin A. Zerhouni, Nelya Melnitchouk, Eric Schneider, Aparajita Singh

Abstract #: e15094 Abstract Link: http://abstracts.asco.org/199/AbstView_199_186202.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: J Clin Oncol 35, 2017 (suppl; abstr e15094)

Singh Research Interests: Dr. Singh is a board-certified gastroenterologist with special interest in colon cancer prevention, high quality colonoscopy and removal of advanced colon polyps. Her other interests include patients with high risk for colon cancer with Lynch Syndrome, FAP and management of patients with ulcerative colitis and Crohn's disease.

https://gi.ucsf.edu/faculty/?key=28256816&name=SINGH%2CAPARAJITA

Evaluation of meaningful change in bowel movement frequency for patients with carcinoid syndrome

Authors*: Stacie Hudgens, Jonathon Gable, Matthew H. Kulke, Emily Bergsland, Lowell Brian Anthony, Martyn E. Caplin, Kjell E. Oberg, Marianne Pavel, Phillip Banks, Qi Melissa Yang, Pablo Lapuerta

Abstract #: e15132 Abstract Link: http://abstracts.asco.org/199/AbstView_199_192664.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: Clin Oncol 35, 2017 (suppl; abstr e15132)

Bergsland Research Interests: My research is focused on the development and testing of novel, biologically based therapies for gastrointestinal malignancies, with an emphasis on neuroendocrine tumors (NETs). I am Chair of the Neuroendocrine Tumor (NET) Task Force of the NCI Gastrointestinal Steering Committee, a NCCN Neuroendocrine Tumors Guidelines Panel member, and a member of the Board of Directors for the North American Neuroendocrine Tumor Society. I am also study chair for ALLIANCE A021202 (a randomized Phase II trial of pazopanib vs. placebo in patients with progressive carcinoid tumors). My current research focuses on assessing novel treatment strategies for both high and low grade neuroendocrine neoplasms, fostering several collaborations with laboratory-based colleagues, and taking advantage of a fully annotated outcomes database (established in 2010 and encompassing 800+ NET patients treated at UCSF since 2004).

http://cancer.ucsf.edu/gi/emily-bergsland

Periprocedural management of patients undergoing liver resection or liverdirected therapy for neuroendocrine tumor metastases.

Authors*: Daniel Kwon, Claire Mulvey, Alan T Paciorek, Hilary Chan, Lingzhong Meng, Li Zhang, Eric K. Nakakura, Nicholas Fidelman, Emily K. Bergsland, Katherine Van Loon

Abstract #: e15689 Abstract Link: http://abstracts.asco.org/199/AbstView_199_188683.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: J Clin Oncol 35, 2017 (suppl; abstr e15689)

Van Loon Research Interests: Dr. Van Loon is a gastrointestinal cancer specialist, with a particular interest in colorectal cancer. In particular Dr. Van Loon's research is focused on epidemiology and outcomes research in gastrointestinal malignancies. She has a longstanding interest in global health, and her research has also focused on the epidemiology of gastrointestinal cancers in the developing world.

http://cancer.ucsf.edu/gi/katherine-van-loon

Association of weight change with telotristat ethyl in the treatment of carcinoid syndrome.

Authors*: Martin O Weickert, Gregory Kaltsas, Dieter Hörsch, Pablo Lapuerta, Marianne Pavel, Juan W. Valle, Martyn E. Caplin, Emily K. Bergsland, Pamela L. Kunz, Lowell Brian Anthony, Enrique Grande, Kjell E. Oberg, Richard R. P. Warner, Catherine Lombard-Bohas, Staffan Welin, Rosanna Fleming, Ashwin Kittur, Karie Arnold, Qi Melissa Yang, Matthew H. Kulke

Abstract #: e15692 Abstract Link: http://abstracts.asco.org/199/AbstView_199_185014.html Presentation Date/Time: online only Location: online only Presentation Type: Category: Gastrointestinal (Noncolorectal) Cancer Citation: J Clin Oncol 35, 2017 (suppl; abstr e15692)

Bergsland Research Interests: My research is focused on the development and testing of novel, biologically based therapies for gastrointestinal malignancies, with an emphasis on neuroendocrine tumors (NETs). I am Chair of the Neuroendocrine Tumor (NET) Task Force of the NCI Gastrointestinal Steering Committee, a NCCN Neuroendocrine Tumors Guidelines Panel member, and a member of the Board of Directors for the North American Neuroendocrine Tumor Society. I am also study chair for ALLIANCE A021202 (a randomized Phase II trial of pazopanib vs. placebo in patients with progressive carcinoid tumors). My current research focuses on assessing novel treatment strategies for both high and low grade neuroendocrine neoplasms, fostering several collaborations with laboratory-based colleagues, and taking advantage of a fully annotated outcomes database (established in 2010 and encompassing 800+ NET patients treated at UCSF since 2004).

http://cancer.ucsf.edu/gi/emily-bergsland

Efficacy of alternating-week fixed dose rate gemcitabine (FDR gem) plus capecitabine (CAP) in advanced pancreatic cancer (APC).

Authors*: Claire Johns, Celso L. Diaz, William Kerridge, Jimmy Hwang, Andrew H. Ko, Margaret A. Tempero

Abstract #: e15758 Abstract Link: http://abstracts.asco.org/199/AbstView_199_184578.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: J Clin Oncol 35, 2017 (suppl; abstr e15758)

Tempero Research Interests: Dr. Tempero's research focuses on pancreatic ductal adenocarcinoma, especially in investigational therapeutics. She was a pioneer in the use of mAb-based therapies and helped develop the fixed dose rate concept for gemcitabine. Her group developed effective gemcitabine combinations, provided a foundation for using CA19-9 as a clinical surrogate for survival and currently is assessing molecular subtypes and molecular enrichment for selecting new drugs for clinical evaluation. She has a strong emphasis on immunotherapy. She is a SU2C Dream Team member evaluating innovative immunotherapy approaches in this disease. She is also co-PI of a U01 award to establish high risk cohorts for testing candidate early diagnosis biomarkers. She is the UCSF Pancreas Center Director and Pancreas Cancer Program Leader. She has served as the NCCN Guidelines Panel Chair on Pancreatic Cancer since 2000 and serves on many SABs including the Mayo Clinic Pancreas Cancer SPORE and MDACC's Moon Shot Program.

http://cancer.ucsf.edu/people/profiles/tempero_margaret.3701

Results of a phase II trial of selinexor, an oral selective inhibitor of nuclear export (SINE), in patients with metastatic castration resistant prostate cancer (mCRPC) refractory to abiraterone or enzalutamide.

Authors*: Xiao Wei, Adam Phillip Siegel, Rahul Raj Aggarwal, Amy M. Lin, Terence W. Friedlander, Lawrence Fong, Mirela Paraganlija, Emily Chang, Li Zhang, Charles J. Ryan

Abstract #: e16533 Abstract Link: http://abstracts.asco.org/199/AbstView_199_184764.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: J Clin Oncol 35, 2017 (suppl; abstr e16533)

First-in-human phase 1 PET study of CTT1057, a novel 18F-labeled imaging agent targeting prostate specific membrane antigen (PSMA) in prostate cancer.

Authors*: Rahul Raj Aggarwal, Spencer Behr, Youngho Seo, Kenneth Gao, Vahid Rahanfar, Jim Slater, Joseph Blecha, Beatrice Langton-Webster, Clifford Berkman, Henry Vanbrocklin

Abstract #: e16562 Abstract Link: http://abstracts.asco.org/199/AbstView_199_187254.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: J Clin Oncol 35, 2017 (suppl; abstr e16562)

Vanbrocklin Research Interests: The VanBrocklin laboratory focuses on developing nuclear imaging agents targeting cell surface proteins (receptors, enzymes and transporters) and signalling pathways and mechanisms by PET and SPECT imaging. We have developed imaging agents covering a broad range of molecular motifs from small molecules, antibodies, antibody fragments (e.g., Fabs, scFv, and diabodies), and aptamers, to proteins and peptides. We synthesize, evaluate and validate tracer mechanisms of localization and retention at the target site. We utilize in vitro and in vivo model systems to test the probes and interpret the data collected from these systems to determine their utility for research or as a future diagnostic. We have successfully translated many of these tracers into humans for drug development or evaluation as future diagnostics.

http://cancer.ucsf.edu/people/profiles/vanbrocklin_henry.3696

Clinical variables associated with overall survival in metastatic castration resistant prostate cancer (mCRPC) patients treated with sipuleucel-T immunotherapy.

Authors*: Xiao Wei, Jaselle Perry, Emily Chang, Li Zhang, Robert A. Hiatt, Lawrence Fong

Abstract #: e16565 Abstract Link: http://abstracts.asco.org/199/AbstView_199_184741.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: J Clin Oncol 35, 2017 (suppl; abstr e16565)

Fong Research Interests: My lab focuses on how the immune system interacts with cancer as well as exploring tumor immunotherapies in mouse models and in patients. Our primary focus is in immunotherapy of GI and GU malignancies. We investigate how immunotherapies such as immune checkpoint inhibitors and cancer vaccines can enhance anti-tumor immunity both systemically and in the tumor microenvironment. Performing neoadjuvant immunotherapy trials, we determine how specific therapies can recruit immune effectors in cancer patients. Moreover, we have studied how clinical responders may differ from clinical non-responders. We are applying unbiased approaches to studying antigen-specific responses that are modulated in these patients and are currently developing biomarkers that may be predictive of clinical efficacy.

http://hemonc.ucsf.edu/fonglab/

Evaluation of microarrays for measuring cell cycle progression (CCP) gene expression.

Authors*: Steven Stone, Matthew R. Cooperberg, Darl D Flake, John W. Davis, Judd W. Moul, Jonathan David Tward, Michael K. Brawer

Abstract #: e16566 Abstract Link: http://abstracts.asco.org/199/AbstView_199_184672.html Presentation Date/Time: online only Location: online only Presentation Type: Category: Genitourinary (Prostate) Cancer Citation: J Clin Oncol 35, 2017 (suppl; abstr e16566)

Cooperberg Research Interests: Dr. Cooperberg's clinical interests are early detection, diagnosis & management of GU malignancy & using minimally invasive techniques for GU treatment. He performs robotic, laparoscopic, endoscopic, percutaneous surgeries & is interested in risk-stratifying GU tumors and matching treatments with patients based on clinical, imaging & biomarker data. His research focus is prostate cancer, particularly in 1) health services research, documenting trends & regional variation in the use of diagnostic, imaging & therapeutic interventions; 2) risk assessment, developing & validating prognostic tools; 3) comparative effectiveness research, examining the relative benefits of treatments in terms of cancer control, QoL, & cost; and 4) decision support and survivorship, helping men make better-informed decisions about treatment options & management. He has helped the American Urological Association launch the national AUA Quality registry & continues to serve as senior physician advisor to the project.

http://cancer.ucsf.edu/people/profiles/cooperberg_matthew

A single-center retrospective cohort analysis of venetoclax in post-transplant, relapsed/refractory multiple myeloma.

Authors*: Derek Galligan, Nina Shah, Jeffrey Lee Wolf, Sandy Wai Kuan Wong, Linda Abramovitz, Brenn Donnelly, Rupa Narayan, Gabriel N. Mannis, Shagun D. Arora, Thomas G. Martin

Abstract #: e19514 Abstract Link: http://abstracts.asco.org/199/AbstView_199_189800.html Presentation Date/Time: online only Location: online only Presentation Type: Category: Hematologic Malignancies—Plasma Cell Dyscrasia Citation: J Clin Oncol 35, 2017 (suppl; abstr e19514)

Martin Research Interests: Dr. Thomas Martin is a leading expert in hematological malignancies and has been the principal investigator (PI) on over 25 MM clinical trials. His clinical research also includes translational studies designed to address the genetics of MM, the role of the microenvironment as well as discovery of biomarkers for patient selection and response to anti-MM therapeutics.

http://cancer.ucsf.edu/research/multiple-myeloma/mmti/mmti_team#martin

Safety and clinical activity of first-line durvalumab in advanced NSCLC: Updated results from a Phase 1/2 study.

Authors*: Scott Joseph Antonia, Julie R. Brahmer, Ani Sarkis Balmanoukian, Dong-Wan Kim, Sang-We Kim, Myung-Ju Ahn, Rahima Jamal, Dirk Jaeger, Patrick Alexander Ott, Paolo Antonio Ascierto, Vanesa Gregorc, Jonathan Wade Goldman, Collin M. Blakely, Xiaoping Jin, Joyce Antal, Ashok Kumar Gupta, Neil Howard Segal

Abstract #: e20504 Abstract Link: http://abstracts.asco.org/199/AbstView_199_185135.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: J Clin Oncol 35, 2017 (suppl; abstr e20504)

Blakely Research Interests: The primary focus of my research is to translate laboratory-based findings into novel investigator sponsored trials that aim to assess the safety and efficacy of rationally designed targeted therapies for lung cancer patients. My goals are to: 1) define how TKI resistance pathways evolve at the tumor genome, transcriptome and molecular signaling levels within lung cancers and to translate these findings into novel prognostic and predictive biomarkers that may predict TKI resistance before it occurs; 2) develop investigator sponsored clinical trials to test rational companion therapies that can prevent, delay, or overcome TKI resistance, 3) develop investigator sponsored clinical trials to target recently identified oncogenic pathways, outside of EGFR and ALK, that drive NSCLC; and 4) establish a cohort of patient-derived xenograft (PDX) mice to foster research that aims to further understand the molecular mechanisms of response and resistance to TKI therapies in lung cancer

http://top.ucsf.edu/meet-the-team/medical-oncologists/collin-blakely,-md,-phd.aspx

Patient attitudes toward oncofertility care in male cancer patients receiving targeted and immune therapies.

Authors*: Katy K. Tsai, Puneet Kamal, Joris Ramstein, Alain Patrick Algazi, Adil Daud, James F Smith

Abstract #: e21593 Abstract Link: http://abstracts.asco.org/199/AbstView_199_193464.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: J Clin Oncol 35, 2017 (suppl; abstr e21593)

Smith Research Interests: Dr. Smith is Director of the UCSF Male Reproductive Health practice. His research program is dedicated to helping men and boys with cancer become fathers after surviving cancer treatment. He and his partners conduct basic science investigations of sperm physiology, sperm stem cells, and semen physiology; translational research focused on fertility restoration by means of testicular and stem cell transplantation; and clinical research into reproductive effects of targeted cancer therapies such as tyrosine kinase inhibitors and MTOR inhibitors. Clinically, Dr. Smith treats men with fertility problems, need for fertility preservation, erectile dysfunction, orchalgia, and hypogonadism in the Center for Reproductive Health. Dr. Smith specializes in the use of minimally invasive vasectomy, microsurgical vasovasostomy, vasoepididymostomy, sperm retrieval techniques, spermatic cord denervation, and varicocelectomy.

http://cancer.ucsf.edu/people/profiles/smith_james.3323

Sexual activity and function in male cancer patients receiving targeted an immune therapies.

Authors*: Katy K. Tsai, Puneet Kamal, Joris Ramstein, Alain Patrick Algazi, Adil Daud, James F Smith

Abstract #: e21594 Abstract Link: http://abstracts.asco.org/199/AbstView_199_193300.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: J Clin Oncol 35, 2017 (suppl; abstr e21594)

Smith Research Interests: Dr. Smith is Director of the UCSF Male Reproductive Health practice. His research program is dedicated to helping men and boys with cancer become fathers after surviving cancer treatment. He and his partners conduct basic science investigations of sperm physiology, sperm stem cells, and semen physiology; translational research focused on fertility restoration by means of testicular and stem cell transplantation; and clinical research into reproductive effects of targeted cancer therapies such as tyrosine kinase inhibitors and MTOR inhibitors. Clinically, Dr. Smith treats men with fertility problems, need for fertility preservation, erectile dysfunction, orchalgia, and hypogonadism in the Center for Reproductive Health. Dr. Smith specializes in the use of minimally invasive vasectomy, microsurgical vasovasostomy, vasoepididymostomy, sperm retrieval techniques, spermatic cord denervation, and varicocelectomy.

http://cancer.ucsf.edu/people/profiles/smith_james.3323

Neurotoxicity associated with anti-PD1 therapy: A multi-center case series.

Authors*: Jess Louise Smith, Alexander M. Menzies, Justine Vanessa Cohen, Margarida Mut Lioret, Alpaslan Ozgun, Lavinia Spain, John J. Park, Douglas Buckner Johnson, Jennifer Leigh McQuade, Sophie Feng, Shahneen Kaur Sandhu, Victoria Atkinson, **Katy K. Tsai**, Georgina V. Long, James M. G. Larkin, Zeynep Eroglu, Ryan J. Sullivan, Andrew Henderson, Matteo S. Carlino

Abstract #: e21641 Abstract Link: http://abstracts.asco.org/199/AbstView_199_191534.html Presentation Date/Time: online only Location: online only Presentation Type: Category: Patient and Survivor Care Citation: J Clin Oncol 35, 2017 (suppl; abstr e21641)

Tsai Research Interests: Dr. Tsai is a medical oncologist who specializes in the treatment of advanced melanoma and non-melanoma skin cancers, including squamous cell carcinoma, basal cell carcinoma, and Merkel cell carcinoma. Her interests include the development and evaluation of novel therapeutics, with special emphasis on molecularly targeted agents and immunotherapies in the treatment of melanoma, as well as advancing quality of life/supportive care issues in melanoma patients. She collaborates with laboratory-based investigators to identify promising translational targets and host/disease characteristics of response, and also works with other clinical researchers to identify toxicities of treatment and relevant survivorship issues in should be UCSF"s patient populations. She leads the UCSF site committee for cutaneous malignancy-specific clinical trial development.

http://profiles.ucsf.edu/katy.tsai

Feasibility and acceptability of a best supportive care (BSC) checklist among clinicians.

Authors*: Nathan Adam Boucher, Jonathan Nicolla, Adeboye Ogunseitan, Elizabeth Riley Kessler, Christine Ritchie, Yousuf Zafar

Abstract #: e21682 Abstract Link: http://abstracts.asco.org/199/AbstView_199_192339.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: J Clin Oncol 35, 2017 (suppl; abstr e21682)

Ritchie Research Interests: Dr. Ritchie is a board-certified geriatrician and palliative care physician and has a long-standing experience in clinical care delivery models, medical home care and advanced illness research. She has built and directed integrated health care programs. Her research program focuses on the interface of palliative care and geriatrics that seeks to improve quality of life and patient outcomes for those experiencing complex serious illnesses. Emphasis areas are in the area of chronic serious illness, multimorbidity, symptom burden and patient care complexity. She is currently studying the impact of symptom burden on health care utilization in individuals with multiple chronic conditions including cancer. She is also evaluating how patient-centered monitoring technology can be used to support patients and families with serious illness in their transition from the hospital to home.

http://profiles.ucsf.edu/christine.ritchie#narrative

Characterization of circulating tumor cells in patients with localized high risk prostate cancer, post-prostatectomy.

Authors*: Archana Anantharaman, Terence W. Friedlander, Christopher J. Welty, Kreshnik Zejnullahu, Jeffrey Hough, Matthew Edwards, Adam Jendrisak, Jerry Lee, Stephanie Greene, Priscilla Ontiveros, Ryon Graf, Angel Rodriguez, Mahipal Suraneni, Yipeng Wang, Mark Andrew Landers, Matthew R. Cooperberg, Peter Carroll, Ryan Vance Dittamore, Pamela Paris

Abstract #: e23055 Abstract Link: http://abstracts.asco.org/199/AbstView_199_191477.html Presentation Date/Time: online only Location: online only Presentation Type: Citation: J Clin Oncol 35, 2017 (suppl; abstr e23055)

Paris Research Interests: My background is in biophysical chemistry. My research focuses on biomarker discovery. As a UCSF Prostate SPORE program Research Fellow, I discovered a DNA-based biomarker set to assess risk of recurrence after primary treatment. My landmark paper in the American Journal of Pathology set the stage for the use of formalin-fixed paraffin-embedded (FFPE) prostate cancer tissue with microarrays for copy-number assessment. I was the first to demonstrate FFPE prostate biopsy tissue could be profiled on high-resolution microarrays. As Professor, I work as a translational researcher in prostate cancer, both in solid tumor and circulating biomarkers. I helped move the circulating tumor cell (CTC) field beyond enumeration and was the first to genomically profile prostate cancer CTCs. Recently, I have applied similar approaches to identify clinically relevant bladder and pancreatic cancer biomarkers. My research goal is to identify predictive and prognostic biomarkers to aid in clinical cancer decision-making.

http://urology.ucsf.edu/research/cancer/cancer-research-programs/paris-laboratory

Summary of Abstracts by Faculty Member

Rahul Aggarwal, MD

TPS2616 A phase 1, multicenter, dose-escalation study of PRN1371, an irreversible covalent FGFR1-4 kinase inhibitor, in patients with advanced solid tumors, followed by expansion cohorts in patients with FGFR genetic alterations.

Alain Algazi, MD

- 9558 Analysis of mutational burden and adaptive immune response in desmoplastic melanomas treated with PD-1/L1 inhibitors.
- 9507 Efficacy and safety of nivolumab (NIVO) plus ipilimumab (IPI) in patients with melanoma (MEL) metastatic to the brain: Results of the phase II study CheckMate 204
- 2578 SWOG S1221: A phase 1 dose escalation study co-targeting MAPK-dependent and MAPK-independent BRAF inhibitor resistance in BRAF mutant advanced solid tumors with dabrafenib, trametinib, and GSK2141795 (ClinicalTrials.gov NCT01902173).

Charalambos Andreadis, MD

- 7040 CyFi: A phase I study exploring the role of cMET pathway inhibition with ficlatuzumab (Fi) combined with high-dose cytarabine (Cy) in patients with high risk relapsed or refractory acute myeloid leukemia (AML).
- **TPS7566** Ironclad: A randomized phase III study of ibrutinib (lbr) or no consolidation following autologous hematopoietic stem cell transplantation (AutoHCT) for relapsed/refractory activated-B-cell (ABC) subtype diffuse large B-cell lymphoma (DLBCL).

Chloe Atreya, MD, PhD

- Translating Biomarkers Into Clinical Practice
- 3505 Randomized trial of irinotecan and cetuximab with or without vemurafenib in BRAF-mutant metastatic colorectal cancer (SWOG S1406).

Anuradha Banerjee, MD

- **10504** A phase II prospective study of selumetinib in children with recurrent or refractory low-grade glioma (LGG): A Pediatric Brain Tumor Consortium (PBTC) study.
- **10506** Intensive multi-modality therapy for extra-ocular retinoblastoma (RB): A Children's Oncology Group (COG) trial (ARET0321).

Mitchel S. Berger, MD

- 2025 Association of aggressive resection with survival and progression-free survival in adult low-grade glioma: A systematic review and meta-analysis with numbers needed to treat
- 2057 Quantifying the benefit of chemotherapy and radiation in low-grade glioma: A systematic review and meta-analysis of numbers needed to treat

Emily Bergsland, MD

- Liver-Limited Metastatic Neuroendocrine Cancer: Should We Stick with Systemic Therapy
- e15132 Evaluation of meaningful change in bowel movement frequency for patients with carcinoid syndrome
- e15692 Association of weight change with telotristat ethyl in the treatment of carcinoid syndrome.

Trever Bivona, MD, PhD

- 8517 Genomic alterations (GA) and tumor mutational burden (TMB) in large cell neuroendocrine carcinoma of lung (L-LCNEC) as compared to small cell lung carcinoma (SCLC) as assessed via comprehensive genomic profiling (CGP).
- **9009** Evolution and clinical impact of genomic alterations detectable in circulating tumor DNA of 1150 advanced EGFR-mutant (mt) lung cancer patients.
- Targeting Activating Fusions: High-Impact Therapy for Low-Incidence Alterations

Colin Blakely, MD, PhD

e20504 Safety and clinical activity of first-line durvalumab in advanced NSCLC: Updated results from a Phase 1/2 study.

Amie Blanco

1577 Determining the clinical value of germline genetic testing coupled with tumor mutation profiling.

Nicholas A. Butowski, MD

- 2003 Efficacy analysis of ABT-414 with or without temozolomide (TMZ) in patients (pts) with EGFR-amplified, recurrent glioblastoma (rGBM) from a multicenter, international phase I clinical trial.
- 2023 NCCTG N1174: Phase I/comparative randomized phase (Ph) II trial of TRC105 plus bevacizumab versus bevacizumab in recurrent glioblastoma (GBM) (Alliance).

Peter Carroll, MD, MPH

5057 Effect of Ga-68 PSMA-11 PET on management in patients with recurrent prostate cancer.

Susan Chang, MD

TAVAREC: Is There a Role for Bevacizumab in Glioma?

Jennifer Clarke, MD, MPH

2042 Phase 2 study to evaluate safety and efficacy of MEDI4736 (durvalumab [DUR]) in glioblastoma (GBM) patients: An update

Matthew Cooperberg, MD, MPH

- **TPS5097** A randomized study of enzalutamide in patients with localized prostate cancer undergoing active surveillance (ENACT).
- e16566 Evaluation of microarrays for measuring cell cycle progression (CCP) gene expression.

Adil Daud, MD

- **9510** Final results of a phase II multicenter trial of HF10, a replication-competent HSV-1 oncolytic virus, and ipilimumab combination treatment in patients with stage IIIB-IV unresectable or metastatic melanoma.
- 9515 Phase 1b/2 trial of ribociclib+binimetinib in metastatic NRAS-mutant melanoma: Safety, efficacy, and recommended phase 2 dose (RP2D)
- **9504** Long-term outcomes in patients (pts) with ipilimumab (ipi)-naive advanced melanoma in the phase 3 KEYNOTE-006 study who completed pembrolizumab (pembro) treatment.
- 9505 Five-year overall survival (OS) update from a phase II, open-label trial of dabrafenib (D) and trametinib (T) in patients (pts) with BRAF V600–mutant unresectable or metastatic melanoma (MM).
- **3072** Relationship between liver metastases and PD-1 blockade in melanoma.
- **TPS3099** Phase 1 trial of CA-170, a novel oral small molecule dual inhibitor of immune checkpoints PD-1 and VISTA, in patients (pts) with advanced solid tumor or lymphomas.
- **3003** Epacadostat plus nivolumab in patients with advanced solid tumors: Preliminary phase I/II results of ECHO-204.

Laura Esserman, MD, MBA

506 Pembrolizumab plus standard neoadjuvant therapy for high-risk breast cancer (BC): Results from I-SPY 2.

Felix Y. Feng, MD

- 5001 Abiraterone + prednisone (Abi) +/- veliparib (Vel) for patients (pts) with metastatic castration-resistant prostate cancer (CRPC): NCI 9012 updated clinical and genomics data.
- 5080 Identification of low prostate-specific antigen, high Gleason prostate cancer as a unique hormone-resistant entity with poor survival: A contemporary analysis of 640,000 patients.
- **TPS5086** A randomized phase II trial of abiraterone, olaparib or abiraterone + olaparib in patients with metastatic castration-resistant prostate cancer with DNA repair defects.

Lawrence Fong, MD

- Predictive Signatures of Immunotherapy Response or Progression
- 4530 Health-related quality of life (HRQoL) of pembrolizumab (pembro) vs chemotherapy (chemo) for previously treated advanced urothelial cancer (UC) in KEYNOTE-045.
- 4501 Planned survival analysis from KEYNOTE-045: Phase 3, open-label study of pembrolizumab (pembro) versus paclitaxel, docetaxel, or vinflunine in recurrent, advanced urothelial cancer (UC).

- 4505 IMmotion150: A phase II trial in untreated metastatic renal cell carcinoma (mRCC) patients (pts) of atezolizumab (atezo) and bevacizumab (bev) vs and following atezo or sunitinib (sun).
- 3004 Safety and clinical activity of adenosine A2a receptor (A2aR) antagonist, CPI-444, in anti-PD1/PDL1 treatment-refractory renal cell (RCC) and non-small cell lung cancer (NSCLC) patients.
- e16565 Clinical variables associated with overall survival in metastatic castration resistant prostate cancer (mCRPC) patients treated with sipuleucel-T immunotherapy.

Terence Friedlander, MD

4525 Udated efficacy and tolerability of durvalumab in locally advanced or metastatic urothelial carcinoma (UC)

Matthew A. Gubens, MD, MS

- 9011 KEYNOTE-001: 3-year overall survival for patients with advanced NSCLC treated with pembrolizumab.
- 9094 First-line carboplatin and pemetrexed (CP) with or without pembrolizumab (pembro) for advanced nonsquamous NSCLC: Updated results of KEYNOTE-021 cohort G.

Clay Gustafson, MD, PhD

TPS10576 Phase 1 multicenter trial of CUDC-907 in children and young adults with relapsed or refractory solid tumors, CNS tumors, and lymphoma.

Thomas Hope, MD

5056 Incidence of intrathoracic (IT) metastases detected by 68Ga-PSMA-11 PET in early stage prostate cancer (PC).

Nola M. Hylton, PhD

11520 ACRIN 6698 trial: Quantitative diffusion-weighted MRI to predict pathologic response in neoadjuvant chemotherapy treatment of breast cancer.

Thierry Jahan, MD

TPS8581 Checkmate 743: A phase 3, randomized, open-label trial of nivolumab (nivo) plus ipilimumab (ipi) vs pemetrexed plus cisplatin or carboplatin as first-line therapy in unresectable pleural mesothelioma.

Richard C.K. Jordan, DDS, PhD

TPS6097 A randomized phase II study of chemoradiation (CRT) +/- nivolumab (Nivo) with sequential safety evaluations of Nivo +/- lirilumab (Liri) or ipilumumab (Ipi) concomitant with (C) RT in intermediate (IR) and high-risk (HR) head and neck squamous cell carcinoma (HNSCC) (RTOG 3504, NCT02764593).

Robin Kate Kelley, MD

- Horizontal and Vertical Shifts in the Treatment of Hepatocellular Carcinoma
- 4073 Phase I/II study of durvalumab and tremelimumab in patients with unresectable hepatocellular carcinoma (HCC): Phase I safety and efficacy analyses.
- **4076** Precision medicine for gallbladder cancer using somatic copy number amplifications (SCNA) and DNA repair pathway gene alterations.
- **4097** A phase 2 study of galunisertib (TGF-β R1 inhibitor) and sorafenib in patients with advanced hepatocellular carcinoma (HCC).
- **TPS4142** ClarIDHy: A phase 3, multicenter, randomized, double-blind study of AG-120 vs placebo in patients with an advanced cholangiocarcinoma with an IDH1 mutation.

Michael Korn, MD

- **4067** Updated antitumor activity and safety of FPA144, an ADCC-enhanced, FGFR2b isoform-specific monoclonal antibody, in patients with FGFR2b+ gastric cancer.
- 4567 Efficacy and safety of pegylated human IL-10 (AM0010) in combination with an anti-PD-1 in renal cell cancer.

Mignon L. Loh, MD

10512 Inotuzumab ozogamicin in pediatric patients with relapsed/refractory acute lymphoblastic leukemia (R/R ALL)

Thomas G. Martin, MD

Primary Refractory Myeloma

- **TPS8053** A phase Ib study of atezolizumab (atezo) alone or in combination with lenalidomide or pomalidomide and/or daratumumab in patients (pts) with multiple myeloma (MM).
- e19514 A single-center retrospective cohort analysis of venetoclax in post-transplant, relapsed/refractory multiple myeloma.

Michelle Melisko, MD

- **1005** TBCRC 022: Phase II trial of neratinib + capecitabine for patients (Pts) with human epidermal growth factor receptor 2 (HER2+) breast cancer brain metastases (BCBM).
- 11549 Cerebrospinal fluid circulating tumor cells (CSF CTC) for real-time patient monitoring and response to treatment
- **TPS6626** Objective assessment of physical activity during chemotherapy for breast cancer.

Maxwell V. Meng, MD

4566 Everolimus (EVE) exposure as a predictor of toxicity (Tox) in renal cell cancer (RCC) patients (Pts) in the adjuvant setting: Results of a pharmacokinetic analysis for SWOG S0931 (EVEREST), a phase III study (NCT01120249).

Sabine Mueller, MD

Progress in DIPG: How Do We Get There?
Rita Mukhtar, MD

e13048 Breast tumor location in BRCA mutation carriers and implications for prevention.

Pamela Munster, MD

- 9091 Efficacy, safety, and immune activation with pegylated human IL-10 (AM0010) in combination with an anti-PD1 in advanced NSCLC.
- 2527 A phase I study of carboplatin and talazoparib in patients with and without DNA repair mutations.
- **1515** Effects of gene penetrance on adherence to breast cancer screening recommendations (BCSR) among high-risk women.

Pamela Paris, PhD

e23055 Characterization of circulating tumor cells in patients with localized high risk prostate cancer, post-prostatectomy.

Kimberley Ray, MD

e12081 Diagnostic accuracy of core needle biopsy by image guidance and vacuum assistance.

Christine Ritchie, MD

e21682 Feasibility and acceptability of a best supportive care (BSC) checklist among clinicians.

Hope S Rugo, MD

- Bone Modifying Agents for Treatment and Prevention
 Final results of a phase 2 study of talazoparib (TALA) following platinum or multiple cytotoxic regimens in advanced breast cancer patients (pts) with germline BRCA1/2 mutations (ABRAZO).
- 1008 Phase 2 study of pembrolizumab (pembro) monotherapy for previously treated metastatic triple-negative breast cancer (mTNBC): KEYNOTE-086 cohort A
- 511 Seven-year (yr) follow-up of adjuvant paclitaxel (T) and trastuzumab (H) (APT trial) for node-negative, HER2-positive breast cancer (BC)
- 514 Breast conservation after neoadjuvant chemotherapy for triple-negative breast cancer: Surgical results from an international randomized trial (BrighTNess).
- 520 Phase 3 study evaluating efficacy and safety of veliparib (V) plus carboplatin (Cb) or Cb in combination with standard neoadjuvant chemotherapy (NAC) in patients (pts) with early stage triple-negative breast cancer (TNBC).
- 1039 Palbociclib (PAL) + letrozole (L) as first-line (1L) therapy (tx) in estrogen receptor-positive (ER+)/human epidermal growth factor receptor 2-negative (HER2–) advanced breast cancer (ABC): Efficacy and safety across patient (pt) subgroups.
- **1075** Trop2 gene expression (Trop2e) in primary breast cancer (BC): Correlations with clinical and tumor characteristics.
- **1105** Combined peripheral natural killer (NK) cell and circulating tumor cell (CTC) enumeration to enhance prognostic efficiency in patients (pts) with triple-negative breast cancer (TNBC).
- TPS1111 A phase 3 study of alpelisib (ALP) plus fulvestrant (FUL) in men and postmenopausal women with hormone receptor-positive (HR+), human epidermal growth factor receptor 2-negative (HER2-) ABC progressing on or after aromatase inhibitor (AI) therapy: SOLAR-1

- **TPS1113** Phase Ib study to assess the safety, tolerability, and clinical activity of gedatolisib in combination with palbociclib and either letrozole or fulvestrant in women with metastatic or locally advanced/recurrent breast cancer (B2151009; NCT02684032).
- **TPS1120** AT TAIN: Phase 3 study of etirinotecan pegol (EP) vs treatment of physician's choice (TPC) in patients (pts) with metastatic breast cancer (MBC) who have stable brain metastases (BM) previously treated with an anthracycline, a taxane, and capecitabine (ATC).
- 2523 A phase I study of LY3022855, a colony-stimulating factor-1 receptor (CSF-1R) inhibitor, in patients (pts) with advanced solid tumors.
- e12001 Long term follow up (LTFU) of adjuvant zoledronic acid (ZOL) in high risk early stage breast cancer (ESBC) defined by bone marrow (BM) disseminated tumor cells (DTC).

Charles J. Ryan, MD

Genitourinary (Prostate) Cancer

- 5067 Serum androgens and survival in metastatic castration resistant prostate cancer (mCRPC) patients treated with docetaxel and prednisone: Results from CALGB 90401 (Alliance).
- **TPS5087** Trial of rucaparib in prostate indications 3 (TRITON3): An international, multicenter, randomized, open-label phase 3 study of rucaparib vs physician's choice of therapy for patients (Pts) with metastatic castration-resistant prostate cancer (mCRPC) associated with homologous recombination deficiency (HRD).
- **e16533** Results of a phase II trial of selinexor, an oral selective inhibitor of nuclear export (SINE), in patients with metastatic castration resistant prostate cancer (mCRPC) refractory to abiraterone or enzalutamide.

Nina Shah, MD

Are All Relapses the Same? When Do We Treat?

Neil P. Shah, MD, PhD

- 7012 Five-year results of the ponatinib phase II PACE trial in heavily pretreated CP-CML patients (pts).
- **7050** Impact of early landmark responses with ponatinib on 4-yr outcomes in CP-CML patients (pts) in PACE, a pivotal phase II trial.

Aparajita Singh, MD

e15094 Emergency department presentation with colorectal cancer

Eric J. Small, MD

- 4522 Association of on-treatment plasma HGF levels with overall survival (OS) in patients (pts) with advanced renal cell carcinoma (RCC) treated with interferon alpha (INF) +/- bevacizumab (BEV): Results from CALGB 90206 (Alliance).
- 5046 Sipuleucel-T (sip-T) to induce cytolytic T lymphocyte (CTL) activity against target antigens in men with hormone-sensitive and castration-resistant prostate cancer (CRPC).

James F Smith, MD, MS

- e21593 Patient attitudes toward oncofertility care in male cancer patients receiving targeted and immune therapies.
- e21594 Sexual activity and function in male cancer patients receiving targeted an immune therapies.

Catherine Smith, MD

7003 Deep molecular response to gilteritinib to improve survival in FLT3 mutation-positive relapsed/refractory acute myeloid leukemia.

Alejandro Sweet-Cordero, MD

TPS10578 Comparative genomic analysis for pediatric cancer patients evaluated in a California Initiative to Advance Precision Medicine Demonstration Project.

Margaret A. Tempero, MD

e15758 Efficacy of alternating-week fixed dose rate gemcitabine (FDR gem) plus capecitabine (CAP) in advanced pancreatic cancer (APC).

Katy Tsai, MD

e21641 Neurotoxicity associated with anti-PD1 therapy: A multi-center case series.

Erin Van Blarigan, ScD

10006 American Cancer Society (ACS) Nutrition and Physical Activity Guidelines after colon cancer diagnosis and disease-free (DFS), recurrence-free (RFS), and overall survival (OS) in CALGB 89803 (Alliance)

Katherine Van Loon, MD, MPH

- 6575 Understanding the non-curative potential of palliative chemotherapy: Do patients hear what they want to hear?
- e15689 Periprocedural management of patients undergoing liver resection or liver-directed therapy for neuroendocrine tumor metastases.

Laura Van't Veer, PhD

516 Standard anthracycline-based vs. docetaxel-capecitabine in early breast cancer: Results from the chemotherapy randomization (R-C) of EORTC 10041/ BIG 3-04 MINDACT phase III trial.

Henry Vanbrocklin, PhD

e16562 First-in-human phase 1 PET study of CTT1057, a novel 18F-labeled imaging agent targeting prostate specific membrane antigen (PSMA) in prostate cancer.

Alan P. Venook, MD

- 3517 Nut consumption and survival in stage III colon cancer patients: Results from CALGB 89803 (Alliance).
- 3528 Statistical modeling of CALGB 80405 (Alliance) to identify influential factors in metastatic colorectal cancer (CRC) dependent on primary (10) tumor side.
- 3503 Primary (1°) tumor location as an independent prognostic marker from molecular features for overall survival (OS) in patients (pts) with metastatic colorectal cancer (mCRC): Analysis of CALGB / SWOG 80405 (Alliance).
- 3511 Impact of consensus molecular subtyping (CMS) on overall survival (OS) and progression free survival (PFS) in patients (pts) with metastatic colorectal cancer (mCRC): Analysis of CALGB/SWOG 80405 (Alliance).

Victoria Wang, MD

9025 Genomic profiling of circulating tumor DNA (ctDNA) from patients (pts) with advanced non-small cell lung cancer (NSCLC).

John S. Witte, PhD

9517 Quantitative spatial profiling of PD-1/PD-L1 interaction and HLA-DR/IDO1 to predict outcomes to anti-PD-1 in metastatic melanoma (MM)

Louise C. Walter, MD

6519 Comparison of comorbidity measures to predict postoperative lung cancer survival in the National Cancer Database (AFT-03).

Sue S. Yom, MD, PhD

Debate/Discussion: Is the Sharper Knife Worth the Price—Proton Versus Photons

Weiyun Ai, MD

7537 Intratumoral G100 to induce systemic immune responses and abscopal tumor regression in patients with follicular lymphoma.

Willis H. Navarro, MD

7006 Allogeneic hematopoietic cell transplant (alloHCT) for hematologic malignancies in human immunodeficiency virus infected (HIV) patients (pts): Blood and Marrow Transplant Clinical Trials Network (BMT CTN 0903)/AIDS Malignancy Consortium (AMC-080) trial.

Summary of Abstracts by Indication

Breast Cancers

- 506 Pembrolizumab plus standard neoadjuvant therapy for high-risk breast cancer (BC): Results from I-SPY 2. Laura Esserman, MD, MBA
- ACRIN 6698 trial: Quantitative diffusion-weighted MRI to predict pathologic response in neoadjuvant chemotherapy treatment of breast cancer.
 Nola M. Hylton, PhD
- 1005 TBCRC 022: Phase II trial of neratinib + capecitabine for patients (Pts) with human epidermal growth factor receptor 2 (HER2+) breast cancer brain metastases (BCBM).
 Michelle Melisko, MD
- **TPS6626** Objective assessment of physical activity during chemotherapy for breast cancer. **Michelle Melisko, MD**
- e13048 Breast tumor location in BRCA mutation carriers and implications for prevention. Rita Mukhtar, MD
- 1515 Effects of gene penetrance on adherence to breast cancer screening recommendations (BCSR) among high-risk women.
 Pamela Munster, MD
- Bone Modifying Agents for Treatment and Prevention
 Hope S Rugo, MD
- Final results of a phase 2 study of talazoparib (TALA) following platinum or multiple cytotoxic regimens in advanced breast cancer patients (pts) with germline BRCA1/2 mutations (ABRAZO).
 Hope S Rugo, MD
- Phase 2 study of pembrolizumab (pembro) monotherapy for previously treated metastatic triple-negative breast cancer (mTNBC): KEYNOTE-086 cohort A
 Hope S Rugo, MD
- 511 Seven-year (yr) follow-up of adjuvant paclitaxel (T) and trastuzumab (H) (APT trial) for node-negative, HER2-positive breast cancer (BC)
 Hope S Rugo, MD
- 514 Breast conservation after neoadjuvant chemotherapy for triple-negative breast cancer: Surgical results from an international randomized trial (BrighTNess).
 Hope S Rugo, MD

- 520 Phase 3 study evaluating efficacy and safety of veliparib (V) plus carboplatin (Cb) or Cb in combination with standard neoadjuvant chemotherapy (NAC) in patients (pts) with early stage triple-negative breast cancer (TNBC). Hope S Rugo, MD
- Palbociclib (PAL) + letrozole (L) as first-line (1L) therapy (tx) in estrogen receptor-positive (ER+)/human epidermal growth factor receptor 2-negative (HER2–) advanced breast cancer (ABC): Efficacy and safety across patient (pt) subgroups.
 Hope S Rugo, MD
- 1075 Trop2 gene expression (Trop2e) in primary breast cancer (BC): Correlations with clinical and tumor characteristics.
 Hope S Rugo, MD
- 1105 Combined peripheral natural killer (NK) cell and circulating tumor cell (CTC) enumeration to enhance prognostic efficiency in patients (pts) with triple-negative breast cancer (TNBC).
 Hope S Rugo, MD
- TPS1111 A phase 3 study of alpelisib (ALP) plus fulvestrant (FUL) in men and postmenopausal women with hormone receptor-positive (HR+), human epidermal growth factor receptor 2-negative (HER2-) ABC progressing on or after aromatase inhibitor (AI) therapy: SOLAR-1 Hope S Rugo, MD
- TPS1113 Phase Ib study to assess the safety, tolerability, and clinical activity of gedatolisib in combination with palbociclib and either letrozole or fulvestrant in women with metastatic or locally advanced/recurrent breast cancer (B2151009; NCT02684032).
 Hope S Rugo, MD
- TPS1120 ATTAIN: Phase 3 study of etirinotecan pegol (EP) vs treatment of physician's choice (TPC) in patients (pts) with metastatic breast cancer (MBC) who have stable brain metastases (BM) previously treated with an anthracycline, a taxane, and capecitabine (ATC).
 Hope S Rugo, MD
- e12001 Long term follow up (LTFU) of adjuvant zoledronic acid (ZOL) in high risk early stage breast cancer (ESBC) defined by bone marrow (BM) disseminated tumor cells (DTC).
 Hope S Rugo, MD
- 516 Standard anthracycline-based vs. docetaxel-capecitabine in early breast cancer: Results from the chemotherapy randomization (R-C) of EORTC 10041/ BIG 3-04 MINDACT phase III trial.
 Laura Van't Veer, PhD

Cutaneous Cancers

- 9558 Analysis of mutational burden and adaptive immune response in desmoplastic melanomas treated with PD-1/L1 inhibitors.
 Alain Algazi, MD
- 9507 Efficacy and safety of nivolumab (NIVO) plus ipilimumab (IPI) in patients with melanoma (MEL) metastatic to the brain: Results of the phase II study CheckMate 204
 Alain Algazi, MD

- 9510 Final results of a phase II multicenter trial of HF10, a replication-competent HSV-1 oncolytic virus, and ipilimumab combination treatment in patients with stage IIIB-IV unresectable or metastatic melanoma.
 Adil Daud, MD
- 9515 Phase 1b/2 trial of ribociclib+binimetinib in metastatic NRAS-mutant melanoma: Safety, efficacy, and recommended phase 2 dose (RP2D)
 Adil Daud, MD
- 9504 Long-term outcomes in patients (pts) with ipilimumab (ipi)-naive advanced melanoma in the phase 3 KEYNOTE-006 study who completed pembrolizumab (pembro) treatment.
 Adil Daud, MD
- 9505 Five-year overall survival (OS) update from a phase II, open-label trial of dabrafenib (D) and trametinib (T) in patients (pts) with BRAF V600–mutant unresectable or metastatic melanoma (MM).
 Adil Daud, MD
- 3072 Relationship between liver metastases and PD-1 blockade in melanoma.
 Adil Daud, MD
- 9517 Quantitative spatial profiling of PD-1/PD-L1 interaction and HLA-DR/IDO1 to predict outcomes to anti-PD-1 in metastatic melanoma (MM) John S. Witte, PhD

Endocrine Cancers

- Liver-Limited Metastatic Neuroendocrine Cancer: Should We Stick with Systemic Therapy
 Emily Bergsland, MD
- e15132 Evaluation of meaningful change in bowel movement frequency for patients with carcinoid syndrome Emily Bergsland, MD
- e15692 Association of weight change with telotristat ethyl in the treatment of carcinoid syndrome. Emily Bergsland, MD
- e15689 Periprocedural management of patients undergoing liver resection or liver-directed therapy for neuroendocrine tumor metastases. Katherine Van Loon, MD, MPH

Gastrointestinal (includes Pancreatic Cancer)

- 3505 Randomized trial of irinotecan and cetuximab with or without vemurafenib in BRAF-mutant metastatic colorectal cancer (SWOG S1406).
 Chloe Atreya, MD, PhD
- Horizontal and Vertical Shifts in the Treatment of Hepatocellular Carcinoma
 Robin Kate Kelley, MD

- 4073 Phase I/II study of durvalumab and tremelimumab in patients with unresectable hepatocellular carcinoma (HCC):
 Phase I safety and efficacy analyses.
 Robin Kate Kelley, MD
- 4076 Precision medicine for gallbladder cancer using somatic copy number amplifications (SCNA) and DNA repair pathway gene alterations.
 Robin Kate Kelley, MD
- 4097 A phase 2 study of galunisertib (TGF-ß R1 inhibitor) and sorafenib in patients with advanced hepatocellular carcinoma (HCC).
 Robin Kate Kelley, MD
- TPS4142 ClarIDHy: A phase 3, multicenter, randomized, double-blind study of AG-120 vs placebo in patients with an advanced cholangiocarcinoma with an IDH1 mutation.
 Robin Kate Kelley, MD
- 4067 Updated antitumor activity and safety of FPA144, an ADCC-enhanced, FGFR2b isoform-specific monoclonal antibody, in patients with FGFR2b+ gastric cancer.
 Michael Korn, MD
- e15094 Emergency department presentation with colorectal cancer Aparajita Singh, MD
- e15758 Efficacy of alternating-week fixed dose rate gemcitabine (FDR gem) plus capecitabine (CAP) in advanced pancreatic cancer (APC). Margaret A. Tempero, MD
- 10006 American Cancer Society (ACS) Nutrition and Physical Activity Guidelines after colon cancer diagnosis and disease-free (DFS), recurrence-free (RFS), and overall survival (OS) in CALGB 89803 (Alliance) Erin Van Blarigan, ScD
- 6575 Understanding the non-curative potential of palliative chemotherapy: Do patients hear what they want to hear? Katherine Van Loon, MD, MPH
- 3517 Nut consumption and survival in stage III colon cancer patients: Results from CALGB 89803 (Alliance).
 Alan P. Venook, MD
- 3528 Statistical modeling of CALGB 80405 (Alliance) to identify influential factors in metastatic colorectal cancer (CRC) dependent on primary (10) tumor side.
 Alan P. Venook, MD
- 3503 Primary (1°) tumor location as an independent prognostic marker from molecular features for overall survival (OS) in patients (pts) with metastatic colorectal cancer (mCRC): Analysis of CALGB / SWOG 80405 (Alliance).
 Alan P. Venook, MD
- Impact of consensus molecular subtyping (CMS) on overall survival (OS) and progression free survival (PFS) in patients (pts) with metastatic colorectal cancer (mCRC): Analysis of CALGB/SWOG 80405 (Alliance).
 Alan P. Venook, MD

Genitourinary (non-Prostate)

- 4530 Health-related quality of life (HRQoL) of pembrolizumab (pembro) vs chemotherapy (chemo) for previously treated advanced urothelial cancer (UC) in KEYNOTE-045.
 Lawrence Fong, MD
- 4501 Planned survival analysis from KEYNOTE-045: Phase 3, open-label study of pembrolizumab (pembro) versus paclitaxel, docetaxel, or vinflunine in recurrent, advanced urothelial cancer (UC).
 Lawrence Fong, MD
- 4505 IMmotion150: A phase II trial in untreated metastatic renal cell carcinoma (mRCC) patients (pts) of atezolizumab (atezo) and bevacizumab (bev) vs and following atezo or sunitinib (sun).
 Lawrence Fong, MD
- 4525 Updated efficacy and tolerability of durvalumab in locally advanced or metastatic urothelial carcinoma (UC) Terence Friedlander, MD
- 4567 Efficacy and safety of pegylated human IL-10 (AM0010) in combination with an anti-PD-1 in renal cell cancer. Michael Korn, MD
- 4566 Everolimus (EVE) exposure as a predictor of toxicity (Tox) in renal cell cancer (RCC) patients (Pts) in the adjuvant setting: Results of a pharmacokinetic analysis for SWOG S0931 (EVEREST), a phase III study (NCT01120249).
 Maxwell V. Meng, MD
- 4522 Association of on-treatment plasma HGF levels with overall survival (OS) in patients (pts) with advanced renal cell carcinoma (RCC) treated with interferon alpha (INF) +/- bevacizumab (BEV): Results from CALGB 90206 (Alliance).
 Eric J. Small, MD

Head and Neck Cancers

TPS6097 A randomized phase II study of chemoradiation (CRT) +/- nivolumab (Nivo) with sequential safety evaluations of Nivo +/- lirilumab (Liri) or ipilumumab (Ipi) concomitant with (C) RT in intermediate (IR) and high-risk (HR) head and neck squamous cell carcinoma (HNSCC) (RTOG 3504, NCT02764593). Richard C.K. Jordan, DDS, PhD

Hematological Malignancies

- 7040 CyFi: A phase I study exploring the role of cMET pathway inhibition with ficlatuzumab (Fi) combined with high-dose cytarabine (Cy) in patients with high risk relapsed or refractory acute myeloid leukemia (AML).
 Charalambos Andreadis, MD
- TPS7566 Ironclad: A randomized phase III study of ibrutinib (lbr) or no consolidation following autologous hematopoietic stem cell transplantation (AutoHCT) for relapsed/refractory activated-B-cell (ABC) subtype diffuse large B-cell lymphoma (DLBCL).
 Charalambos Andreadis, MD

10512 Inotuzumab ozogamicin in pediatric patients with relapsed/refractory acute lymphoblastic leukemia (R/R ALL) Mignon L. Loh, MD

Primary Refractory Myeloma
 Thomas G. Martin, MD

- TPS8053 A phase lb study of atezolizumab (atezo) alone or in combination with lenalidomide or pomalidomide and/or daratumumab in patients (pts) with multiple myeloma (MM).
 Thomas G. Martin, MD
- e19514 A single-center retrospective cohort analysis of venetoclax in post-transplant, relapsed/refractory multiple myeloma. Thomas G. Martin, MD
- Are All Relapses the Same? When Do We Treat?
 Nina Shah, MD
- 7012 Five-year results of the ponatinib phase II PACE trial in heavily pretreated CP-CML patients (pts). Neil P. Shah, MD, PhD
- 7050 Impact of early landmark responses with ponatinib on 4-yr outcomes in CP-CML patients (pts) in PACE, a pivotal phase II trial.
 Neil P. Shah, MD, PhD
- 7003 Deep molecular response to gilteritinib to improve survival in FLT3 mutation-positive relapsed/refractory acute myeloid leukemia.
 Catherine Smith, MD
- 7537 Intratumoral G100 to induce systemic immune responses and abscopal tumor regression in patients with follicular lymphoma.
 Weiyun Ai, MD
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- Allogeneic hematopoietic cell transplant (alloHCT) for hematologic malignancies in human immunodeficiency virus infected (HIV) patients (pts): Blood and Marrow Transplant Clinical Trials Network (BMT CTN 0903)/AIDS Malignancy Consortium (AMC-080) trial.
 Willis H. Navarro, MD

Lung Cancers

- 8517 Genomic alterations (GA) and tumor mutational burden (TMB) in large cell neuroendocrine carcinoma of lung (L-LCNEC) as compared to small cell lung carcinoma (SCLC) as assessed via comprehensive genomic profiling (CGP).
 Trever Bivona, MD, PhD
- 9009 Evolution and clinical impact of genomic alterations detectable in circulating tumor DNA of 1150 advanced EGFR-mutant (mt) lung cancer patients.
 Trever Bivona, MD, PhD

_	Targeting Activating Fusions: High-Impact Therapy for Low-Incidence Alterations Trever Bivona, MD, PhD
e20504	Safety and clinical activity of first-line durvalumab in advanced NSCLC: Updated results from a Phase 1/2 study. Colin Blakely, MD, PhD
9011	KEYNOTE-001: 3-year overall survival for patients with advanced NSCLC treated with pembrolizumab. Matthew A. Gubens, MD, MS
9094	First-line carboplatin and pemetrexed (CP) with or without pembrolizumab (pembro) for advanced nonsquamous NSCLC: Updated results of KEYNOTE-021 cohort G. Matthew A. Gubens, MD, MS
9091	Efficacy, safety, and immune activation with pegylated human IL-10 (AM0010) in combination with an anti-PD1 in advanced NSCLC. Pamela Munster, MD
9025	Genomic profiling of circulating tumor DNA (ctDNA) from patients (pts) with advanced non-small cell lung cancer (NSCLC). Victoria Wang, MD
6519	Comparison of comorbidity measures to predict postoperative lung cancer survival in the National Cancer Database (AFT-03). Louise C. Walter, MD

Lung Cancers, Sarcomas

TPS8581 Checkmate 743: A phase 3, randomized, open-label trial of nivolumab (nivo) plus ipilimumab (ipi) vs pemetrexed plus cisplatin or carboplatin as first-line therapy in unresectable pleural mesothelioma. Thierry Jahan, MD

Neurological Cancers

- A phase II prospective study of selumetinib in children with recurrent or refractory low-grade glioma (LGG):
 A Pediatric Brain Tumor Consortium (PBTC) study.
 Anuradha Banerjee, MD
- 10506 Intensive multi-modality therapy for extra-ocular retinoblastoma (RB): A Children's Oncology Group (COG) trial (ARET0321).
 Anuradha Banerjee, MD
- 2025 Association of aggressive resection with survival and progression-free survival in adult low-grade glioma:
 A systematic review and meta-analysis with numbers needed to treat
 Mitchel S. Berger, MD

- 2057 Quantifying the benefit of chemotherapy and radiation in low-grade glioma: A systematic review and meta-analysis of numbers needed to treat Mitchel S. Berger, MD
- 2003 Efficacy analysis of ABT-414 with or without temozolomide (TMZ) in patients (pts) with EGFR-amplified, recurrent glioblastoma (rGBM) from a multicenter, international phase I clinical trial. Nicholas A. Butowski, MD
- 2023 NCCTG N1174: Phase I/comparative randomized phase (Ph) II trial of TRC105 plus bevacizumab versus bevacizumab in recurrent glioblastoma (GBM) (Alliance).
 Nicholas A. Butowski, MD
- TAVAREC: Is There a Role for Bevacizumab in Glioma?
 Susan Chang, MD
- 2042 Phase 2 study to evaluate safety and efficacy of MEDI4736 (durvalumab [DUR]) in glioblastoma (GBM) patients: An update Jennifer Clarke, MD, MPH
- Progress in DIPG: How Do We Get There?
 Sabine Mueller, MD

Prostate Cancers

- 5057 Effect of Ga-68 PSMA-11 PET on management in patients with recurrent prostate cancer. Peter Carroll, MD, MPH
- TPS5097 A randomized study of enzalutamide in patients with localized prostate cancer undergoing active surveillance (ENACT).
 Matthew Cooperberg, MD, MPH
- 5001 Abiraterone + prednisone (Abi) +/- veliparib (Vel) for patients (pts) with metastatic castration-resistant prostate cancer (CRPC): NCI 9012 updated clinical and genomics data.
 Felix Y. Feng, MD
- 5080 Identification of low prostate-specific antigen, high Gleason prostate cancer as a unique hormone-resistant entity with poor survival: A contemporary analysis of 640,000 patients.
 Felix Y. Feng, MD
- TPS5086 A randomized phase II trial of abiraterone, olaparib or abiraterone + olaparib in patients with metastatic castration-resistant prostate cancer with DNA repair defects.
 Felix Y. Feng, MD
- e16565 Clinical variables associated with overall survival in metastatic castration resistant prostate cancer (mCRPC) patients treated with sipuleucel-T immunotherapy. Lawrence Fong, MD
- 5056 Incidence of intrathoracic (IT) metastases detected by 68Ga-PSMA-11 PET in early stage prostate cancer (PC). Thomas Hope, MD

- e23055 Characterization of circulating tumor cells in patients with localized high risk prostate cancer, post-prostatectomy. Pamela Paris, PhD
- Genitourinary (Prostate) Cancer
 Charles J. Ryan, MD
- 5067 Serum androgens and survival in metastatic castration resistant prostate cancer (mCRPC) patients treated with docetaxel and prednisone: Results from CALGB 90401 (Alliance).
 Charles J. Ryan, MD
- TPS5087 Trial of rucaparib in prostate indications 3 (TRITON3): An international, multicenter, randomized, open-label phase 3 study of rucaparib vs physician's choice of therapy for patients (Pts) with metastatic castration-resistant prostate cancer (mCRPC) associated with homologous recombination deficiency (HRD). Charles J. Ryan, MD
- e16533 Results of a phase II trial of selinexor, an oral selective inhibitor of nuclear export (SINE), in patients with metastatic castration resistant prostate cancer (mCRPC) refractory to abiraterone or enzalutamide. Charles J. Ryan, MD
- 5046 Sipuleucel-T (sip-T) to induce cytolytic T lymphocyte (CTL) activity against target antigens in men with hormone-sensitive and castration-resistant prostate cancer (CRPC).
 Eric J. Small, MD
- e16562 First-in-human phase 1 PET study of CTT1057, a novel 18F-labeled imaging agent targeting prostate specific membrane antigen (PSMA) in prostate cancer.
 Henry Vanbrocklin, PhD

Solid Tumors

- TPS2616 A phase 1, multicenter, dose-escalation study of PRN1371, an irreversible covalent FGFR1-4 kinase inhibitor, in patients with advanced solid tumors, followed by expansion cohorts in patients with FGFR genetic alterations. Rahul Aggarwal, MD
- 2578 SWOG S1221: A phase 1 dose escalation study co-targeting MAPK-dependent and MAPK-independent BRAF inhibitor resistance in BRAF mutant advanced solid tumors with dabrafenib, trametinib, and GSK2141795 (ClinicalTrials.gov NCT01902173).
 Alain Algazi, MD
- 3003 Epacadostat plus nivolumab in patients with advanced solid tumors: Preliminary phase I/II results of ECHO-204.
 Adil Daud, MD
- Safety and clinical activity of adenosine A2a receptor (A2aR) antagonist, CPI-444, in anti-PD1/PDL1 treatment-refractory renal cell (RCC) and non-small cell lung cancer (NSCLC) patients.
 Lawrence Fong, MD
- 2527 A phase I study of carboplatin and talazoparib in patients with and without DNA repair mutations. Pamela Munster, MD

- A phase I study of LY3022855, a colony-stimulating factor-1 receptor (CSF-1R) inhibitor, in patients (pts) with advanced solid tumors.
 Hope S Rugo, MD
- e21641 Neurotoxicity associated with anti-PD1 therapy: A multi-center case series. Katy Tsai, MD

Solid Tumors, Hematological Malignancies

TPS3099 Phase 1 trial of CA-170, a novel oral small molecule dual inhibitor of immune checkpoints PD-1 and VISTA, in patients (pts) with advanced solid tumor or lymphomas.
 Adil Daud, MD

Solid Tumors, Neurological Cancers, Hematological Malignancies

- TPS10576 Phase 1 multicenter trial of CUDC-907 in children and young adults with relapsed or refractory solid tumors, CNS tumors, and lymphoma.
 Clay Gustafson, MD, PhD
- e21593 Patient attitudes toward oncofertility care in male cancer patients receiving targeted and immune therapies. James F Smith, MD, MS
- e21594 Sexual activity and function in male cancer patients receiving targeted an immune therapies. James F Smith, MD, MS

Biomarkers

- Translating Biomarkers Into Clinical Practice
 Chloe Atreya, MD, PhD
- 1577 Determining the clinical value of germline genetic testing coupled with tumor mutation profiling.
 Amie Blanco
- e16566 Evaluation of microarrays for measuring cell cycle progression (CCP) gene expression. Matthew Cooperberg, MD, MPH
- Predictive Signatures of Immunotherapy Response or Progression
 Lawrence Fong, MD
- 11549 Cerebrospinal fluid circulating tumor cells (CSF CTC) for real-time patient monitoring and response to treatment Michelle Melisko, MD

- e12081 Diagnostic accuracy of core needle biopsy by image guidance and vacuum assistance. Kimberley Ray, MD
- TPS10578 Comparative genomic analysis for pediatric cancer patients evaluated in a California Initiative to Advance Precision Medicine Demonstration Project.
 Alejandro Sweet-Cordero, MD

Other

- e21682 Feasibility and acceptability of a best supportive care (BSC) checklist among clinicians. Christine Ritchie, MD
- Debate/Discussion: Is the Sharper Knife Worth the Price—Proton Versus Photons
 Sue S. Yom, MD, PhD

