Population Health and Prevention in the Omics and Big Data Era:

-- A cell-to-society approach --

Stanford
Cancer Institute
A National Cancer Institute
Comprehensive Cancer Center

Stanford MEDICINE

October
17-18, 2018

Stanford University, Li Ka Shing Center for Learning and Knowledge

THANK YOU FOR YOUR SUPPORT!

Stanford MEDICINE

Stanford Cancer Institute
A National Cancer Institute Comprehensive Cancer Center
Stanford MEDICINE

Stanford MEDICINE
Stanford Center for Population Health Sciences

Stanford MEDICINE
Anesthesiology, Perioperative, and Pain Medicine

Chemical and Systems Biology

STANFORD PREVENTION RESEARCH CENTER
the science of healthy living

Asian Liver Center
at Stanford University

STANFORD
CENTER FOR INNOVATION IN
GLOBAL HEALTH

GILEAD

ForeSee
CCCC

GGA

TABLE OF CONTENTS

Stanford MEDICINE

October 17, 2018

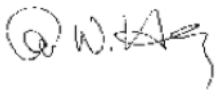
Dear Colleagues,

Welcome to the 2018 Symposium on Liver Cancer and ALDH2. We are pleased to host an accomplished group of population scientists, clinicians, basic scientists, bioinformatics scientists, and researchers at this symposium. Over the next two days, we will have the opportunity to hear about the current state of liver cancer epidemiology, etiology, treatment, and prevention as well as solutions to address this fast-growing cancer. On Day 2, we will host the 4th ALDH2 STAR symposium to explore the role ALDH2 enzyme deficiency plays in cancer and other diseases, and to provide insight into ALDH2-related disease prevention at the population level.

We hope that through spontaneous and stimulating interactions, this symposium will provide a platform to spark new ideas, engage in intellectual exchanges, and forge new collaborations.

Enjoy your time at Stanford. We wish you an exciting and productive meeting!

Sincerely,



Ann Hsing, PhD
Co-Chair

Che-Hong Chen, PhD
Co-Chair

Stanford | MEDICINE

LLOYD B. MINOR, MD

CARL AND ELIZABETH NAUMANN DEAN OF THE STANFORD UNIVERSITY SCHOOL OF MEDICINE

Professor of Otolaryngology—Head and Neck Surgery
Professor of Neurobiology and of Bioengineering, by courtesy

September, 2018

Dear Friends,

I am delighted to welcome you to Stanford Medicine. Here, our researchers, clinicians, and students are ushering in the era of Precision Health, a proactive approach to medicine that not only treats disease but predicts, prevents, and when necessary, cures it — precisely.

Those gathered here will discuss two increasingly important health issues, liver cancer and aldehyde metabolism, and, in so doing, will build upon Stanford Medicine's Precision Health vision.

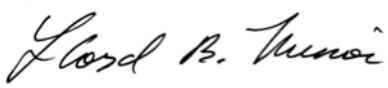
The first day's focus on liver cancer — specifically its causes and the resulting implications for detection, prevention, and treatment — seeks solutions for addressing a fast-growing and increasingly deadly disease. Locally, the Greater San Francisco Bay Area has one of the highest liver cancer burdens in the country, and globally the incidence of liver cancer has increased 75 percent worldwide from 1990 to 2015.

Conversations on the second day during the 4th international ALDH2 STAR symposium focused around aldehyde metabolism deficiencies has the potential to benefit half a billion people worldwide. This widespread deficiency, which disproportionately affects East Asian populations, is recognized by facial flushing after alcohol consumption. This intolerance for aldehydes is a health risk for upper digestive track cancers and cardiovascular disease. I look forward to seeing how the day's conversations spark efforts that complement the ALDH2 STAR Research Consortium's progress in disease research, therapeutics development, and public health awareness.

I am a firm believer that solving health care's greatest challenges requires convening diverse people with varied perspectives to engage in intense intellectual exchanges. For this reason, it is our great pleasure to host such an accomplished group of clinicians, basic scientists, population scientists, bioinformatics scientists, and researchers at this year's Population Health and Prevention in the Omics and Big Data Era.

Please enjoy your time at Stanford. We wish you an exciting and productive meeting.

Sincerely,



Lloyd B. Minor, MD

Stanford
Cancer Institute
A National Cancer Institute
Comprehensive Cancer Center

Stanford MEDICINE

Beverly S. Mitchell, MD
George E. Becker Professor of Medicine
Director Emeritus and Senior Advisor
Stanford Cancer Institute

October, 2018

Dear Colleagues,

On behalf of the Stanford Cancer Institute (SCI), I would like to welcome you to Stanford for the 2018 symposium on Population Health and Prevention in the Omics and Big Data Era: A cell-to-society approach. In this two-day symposium, we have lined up many experts in the fields of epidemiology, population sciences, hepatology, data science, basic science, molecular biology, and clinical medicine to help brainstorm creative solutions that address important health issues affecting our population. For this year's symposium, we will focus on liver cancer and ALDH2. In the future, we hope to expand to other cancer sites.

I hope you will use this symposium to gain new knowledge and perspective, reflect, and network to establish new collaborations to advance science and clinical medicine.

Enjoy the symposium and our beautiful campus.

Sincerely,

Bev Mitchell

Beverly Mitchell, MD
Director Emeritus and Senior Advisor
Stanford Cancer Institute

SCHEDULE: 10.17.2018

CHANGING LANDSCAPE AND ETIOLOGY OF LIVER CANCER: CHALLENGES AND OPPORTUNITIES FOR PREVENTION

8:00 - 9:00 am: BREAKFAST & REGISTRATION

9:00 - 9:20 am: WELCOME — Ann Hsing, PhD; Che-Hong Chen, PhD; Co-Chairs | Lloyd Minor, MD, Dean, Stanford School of Medicine | Beverly Mitchell, MD, Director Emeritus and Senior Advisor, Stanford Cancer Institute | Steven Artandi, MD, PhD, Director, Stanford Cancer Institute

SESSION ONE

Hepatocellular carcinoma (HCC) Risk Factors and Pathogenesis • Chair: Paul Kwo, MD, Stanford University

9:20 - 9:45 am	The changing landscape and etiology of liver cancer in the U.S.: opportunities and challenges for prevention	Ann Hsing, PhD Stanford University
9:45 - 10:10 am	Pathogenesis of HCC: viral and non-viral HCC: are they the same?	Adrian DiBisceglie, MD Saint Louis University
10:10 – 10:35 am	Hepatitis B virus-related hepatocellular carcinoma (HCC): early detection, treatment and prevention	Brian McMahon, MD Centers for Disease Control and Prevention (CDC)
10:35 - 11:00 am	BREAK	
11:00 - 11:25 am	Hepatitis C virus-related HCC: early detection, treatment, and prevention	Paul Kwo, MD Stanford University
11:25 – 11:50 am	Metabolic syndrome, non-alcoholic fatty liver (NAFLD)-related HCC: a rising epidemic	Paul Kwo, MD Stanford University
11:50 - 12:10 pm	Discussion	
12:10 - 1:15 pm	LUNCH & GROUP PHOTO	

SESSION TWO

HCC Early Detection and Precision Medicine • Chair: Samuel So, MD, Stanford University

1:15 – 1:40 pm	Modeling human HCC in Mice: biological and therapeutic implications	Dean Felsher, MD, PhD Stanford University
1:40 - 2:05 pm	Hepatocyte renewal and the origins of liver cancer	Steven Artandi, MD, PhD Stanford University
2:05 - 2:30 pm	Transcriptome-based precision medicine approach for liver cancer risk prediction and chemoprevention	Yujin Hoshida, MD, PhD University of Texas Southwestern Medical Center
2:30 - 2:55 pm	EGF in HCC Transformation: Effective Chemoprevention	Kenneth Tanabe, MD Harvard University
2:55 - 3:20 pm	BREAK	
3:20 - 3:45 pm	Advanced MR Imaging of Liver Tumors	Heike Daldrup-Link, MD, PhD Stanford University
3:45 - 4:10 pm	Biomarkers for HCC early detection	Jorge Marrero, MD, MS University of Texas Southwestern Medical Center
4:10 - 4:20 pm	Liver cancer and the National Cancer Institute: funding initiatives and research opportunities	Tram Kim Lam, PhD, MPH National Cancer institute
4:20 - 4:30 pm	Discussion	
4:30 - 5:10 pm	Panel Discussion – Next Steps - Panelists: All speakers	Moderator Ann Hsing, PhD Stanford University

5:10 - 6:30 pm — **POSTER SESSION & RECEPTION**

SCHEDULE: 10.18.2018

ALDH2 DEFICIENCY AND HUMAN HEALTH: 4TH ANNUAL ALDH2 STAR SYMPOSIUM

8:00-8:30 am: BREAKFAST & REGISTRATION

8:30-8:40 am: WELCOME • Daria Mochly-Rosen, PhD; Stanford University, Co-Chair, ALDH2 STAR Research Consortium

SESSION ONE

ALDH2 and Precision Medicine • Chair: Eric Gross, MD, PhD, Stanford University

8:40 - 9:05 am	Ethanol and precision medicine: new considerations for an old problem	Daria Mochly-Rosen, PhD Stanford University
9:05 - 9:30 am	Quick and highly accurate breath test for ALDH2 genotyping	Shinya Ohashi, MD, PhD Kyoto University, Japan
9:30 - 9:55 am	Targeting ALDH2 in heart failure	Julio Ferreira, PhD University of São Paulo, Brazil
9:55 - 10:25 am	BREAK	
10:25 – 10:50 am	ALDH2 and development of acute coronary syndrome	Feng Xu, MD, PhD Shandong University, China
10:50 - 11:15 am	Modulation of aldehyde metabolism in hematopoietic stem cells	Kenneth Weinberg, MD Stanford University
11:15 – 11:40 am	ALDH2 and esophageal cancer stem cells	Hiroshi Nakagawa, MD, PhD University of Pennsylvania
11:40 - 12:05 pm	Reducing chronic disease burden using allosteric activators of ALDH2	Wenjing Yang, PhD Foresee Pharmaceuticals, Taiwan
12:05 - 1:15 pm	LUNCH & GROUP PHOTO	

SESSION TWO

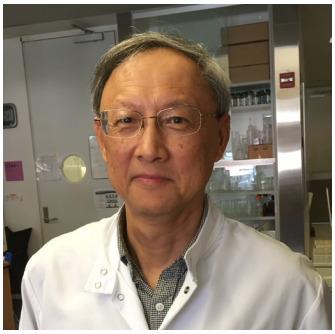
ALDH2, Aldehydic Load, and Public Health • Che-Hong Chen, PhD; Stanford University

1:15 – 1:40 pm	Monitoring and treatment of reactive aldehydes produced during surgery	Eric Gross, MD, PhD Stanford University
1:40 – 2:05 pm	DNA damage from acetaldehyde in the oral cavity: Investigating alcohol-related mechanisms of carcinogenesis for the upper aero-digestive tract	Silvia Balbo, PhD University of Minnesota
2:05 - 2:30 pm	Molecular probes of cellular aldehydes	Eric Kool, PhD Stanford University
2:30 - 2:45 pm	BREAK	
2:45 - 3:00 pm	Prevention of Liver Cancer after Elimination of Chronic Viral Hepatitis: Implication of Gene-Environment Interaction	Chien-Jen Chen, PhD Academia Sinica, Taiwan
3:00 - 3:25 pm	ALDH2 deficiency and public health education	Che-Hong Chen, PhD Stanford University
3:25 - 4:00 pm	ALDH2 public health education and Taiwan Alcohol Intolerance Education Society (TAIES)	Winners of Taiwan alcohol intolerance education competition
4:00 - 4:50 pm	Discussion and 2019 ALDH2 STAR Symposium	Che-Hong Chen, PhD Daria Mochly-Rosen, PhD Eric Gross, MD, PhD
4:50 pm	Meeting Adjourn	

SYMPOSIUM CO-CHAIRS

CHE-HONG CHEN, PhD, Symposium Co-Chair

Senior Research Scientist
Department of Chemical and Systems Biology
Stanford University, CA, USA



Che-Hong, a molecular biologist and geneticist, has been in Prof. Daria Mochly-Rosen's laboratory since 1992. His current research focuses on the function of ALDH multi-gene family and its association with human diseases. Che-Hong's research is highlighted by the discovery of a class of novel enzyme modulators of aldehyde dehydrogenase. One of the most common mutations in the ALDH gene family is the East Asian-specific ALDH2 point mutation which is present in approximately 560 million people, or 8% of the world population. The ALDH2 mutation leads to an enzyme deficiency and is the cause of the well-known Asian Alcohol Flushing Syndrome (or Alcohol Intolerance). Using an ALDH2 deficient mouse model, Che-Hong is currently identifying molecular and pathological targets that are susceptible to toxic and reactive aldehydes in human diseases. Since 2015, Che-Hong has organized and served as the CEO of the Stanford-Taiwan ALDH2 Deficiency Research (STAR) consortium (now ALDH2 STAR Research Consortium) which is devoted to the promotion of multidisciplinary collaboration of basic and clinical research on ALDH2 deficiency. In 2017, Che-Hong also founded a non-profit organization of Taiwan Alcohol Intolerance Education Society (TAIES) in Taiwan. The mission of TAIES is to promote public health education and awareness of ALDH2 deficiency and to related health risks in Taiwan and East Asia.

ANN HSING, PhD, Symposium Co-Chair

Professor of Medicine
Stanford University, CA, USA

Dr. Ann Hsing is a professor of medicine at Stanford University and a co-leader of the Population Sciences Program at Stanford Cancer Institute (SCI). She is a faculty fellow at the Center for Innovation in Global Health and Stanford Center for Population Health Sciences. Dr. Hsing is a molecular epidemiologist with over 30 years of experience. She is an internationally renowned expert on prostate and hepatobiliary cancer epidemiology, and served as a tenured senior investigator at the National Cancer Institute prior to joining Stanford. At SCI, Dr. Hsing leads the Liver Cancer Working Group and the low dose CT Screening for Lung Cancer Working Group. She chairs the Pacific Rim Alliances for Population Health, a new initiative at Stanford Medicine to focus on solving common and emerging health related issues in the Pacific Rim. Her current research focuses on liver cancer and lung cancer among never smokers - cancers that are particularly common in Asians and Asian Americans. In addition, Dr. Hsing serves as principal investigator of WELL Asia, an ongoing collaboration that has established prospective cohorts and biobanks in China, Taiwan, and Singapore to investigate socio-behavioral, biochemical, and molecular determinants of well-being. Throughout her career, Dr. Hsing has published over 290 peer-reviewed scientific articles and mentored over 60 post-doctoral fellows and junior investigators.

SYMPOSIUM SCIENTIFIC COMMITTEE

COMMITTEE CHAIR

ERIC GROSS, MD, PhD

Assistant Professor
Department of Anesthesiology, Perioperative and Pain Medicine
Stanford University, CA, USA

Eric Gross is an anesthesiologist whose laboratory is investigating how to implement precision medicine strategies for reactive aldehyde exposure, particularly from environmental sources such as cigarettes and within hospital settings such as during surgery. The Gross lab is developing tools to quantify reactive aldehyde production and metabolism through non-invasive measures in addition to quantification through tissue biopsies. Dr. Gross is a steering committee member of the International ALDH2 STAR consortium. He is also a recipient of an early career MIRA award from NIGMS and has >45 publications related to the field of cellular stress.

COMMITTEE MEMBERS

MICHELE BARRY, MD, FACP, FASTMH

Senior Associate Dean, Global Health
Director, Center for Innovation in Global Health
Professor of Medicine, Primary Care & Population Health
Senior Fellow at The Woods Institute For The Environment and at The Freeman SPOGLI Institute
Stanford University, CA, USA

As one of the co-founders of the Yale/Stanford Johnson and Johnson Global Health Scholar Award program, Dr. Barry has sent over 1500 physicians overseas to underserved areas to help strengthen health infrastructure in low resource settings. As a past President of the American Society of Tropical Medicine and Hygiene(ASTMH), she led an educational initiative in tropical medicine and travelers health which culminated in diploma courses in tropical medicine both in the U.S. and overseas, as well as a U.S. certification exam. Dr. Barry is an elected member of the National Academy of Medicine (NAM) and National Academy of Sciences since 2002. She has been selected for Best Doctors in America and currently sits on the NAM Board on Global Health. She is the 2019 Chair-elect of the Board of Directors for the Consortium of Universities for Global Health (CUGH)and is a recipient of the Ben Kean Medal given every three years by the ASTMH to the outstanding tropical disease educator in the U.S. She is also the 2018 recipient of AMWA's highest award –the Elizabeth Blackwell medal for creating pathways for women in medicine.

SYMPOSIUM SCIENTIFIC COMMITTEE

MARK CULLEN, MD

Director, Center for Population Health Sciences
Senior Associate Dean For Research
Professor of Biomedical Data Science
Professor, Health Research & Policy
Senior Fellow at SIEPR
Stanford University, CA, USA

Dr. Cullen is an expert in quantitative science and public health. He was recruited to Stanford in 2009 as Chief of General Medical Disciplines where he became increasingly interested in the potential for large observational data, merging EMR, biology, and physiology with available social and environmental data, to identify new pathways for discovery and translation, both at the bedside and through public policy. In April 2015, he was named inaugural Director of the Stanford Center for Population Health Sciences, devotedto discovery of the pathways across the life-course by which social and physical environment and behavior lead to beneficial or harmful expression of genetic endowment. Dr. Cullen has been a pioneer in big data; long before the practice became popular, hewas using large collections of data to study human health. Dr. Cullen's goals include advancing science culture, building the stature of Stanford's program in quantitative sciences and catalyzing the development of true team science. Over the years, Dr. Cullen has had the privilege of living and doing research in many parts of the world including Zimbabwe, Ecuador, South Africa, and Australia.

HEIKE DALDRUP-LINK, MD, PhD

Professor of Radiology
Professor by courtesy, Pediatrics
Director, Pediatric Molecular Imaging, Molecular Imaging
Co-Director, Cancer Imaging & Early Detection Program
Stanford University, CA, USA

Heike Elisabeth Daldrup-Link, MD, PhD, is a Professor of Radiology, Director of the Pediatric Molecular Imaging Program, Co-Director of the Small Animal Imaging Facility, Co-Director of the Cancer Imaging Program and Associate Chair for Diversity in the Department of Radiology at Stanford University. Dr. Daldrup-Link is a physician-scientist with sub-specialization in cancer imaging and molecular imaging. Dr.Daldrup-Link has both uncovered basic science principles for nanoparticle imaging in an NIH funded-basic science lab and brought the most promising imaging innovations to her patients' bedside. Over the past 15 years, Dr. Daldrup-Link has published more than 160 papers with 8,253 citations and an H-index of 47. Dr. Daldrup-Link and her team members received 97 awards for their imaging research.

SYMPOSIUM SCIENTIFIC COMMITTEE

DEAN FELSHER, MD, PhD

Professor of Medicine, Director of Translational Research and Applied Medicine (TRAM)
Director of Admissions, Medical Scientist Training Program (MSTP)
Co-Director Cancer Translational Nanotechnology Training Center (Cancer-TNT)
Stanford University, CA, USA

Dr. Felsher obtained a B.A. in Chemistry at the University of Chicago, a M.D. Ph.D. from the University of California, Los Angeles School of Medicine. He performed his graduate work in Molecular Biology/Immunology under Dr. Jonathan Braun. He trained in Internal Medicine at the Hospital of the University of Pennsylvania and Oncology at the University of California, San Francisco and his post-doctoral research under Dr. J. Michael Bishop. Dr. Felsher has been faculty at Stanford University for 18 years and performing both basic and translational cancer research. Dr. Felsher has over 20 years of research experience working with experimental mouse models and has pioneered the utilization off the Tetracycline Regulatory System (Tet System) to generate conditional transgenic models of lymphoma, leukemia, osteosarcoma, hepatocellular carcinoma lung adenocarcinoma and renal cell carcinoma. He has demonstrated “reversibility of cancer,” “oncogene addiction,” and “tumor maintenance” through programs of cellular senescence and angiogenesis and differentiation and the restoration of the immune system. He has most recently described a critical role for the MYC oncogene in globally regulated the immune response against cancer.

BEVERLY MITCHELL, MD

George E. Becker Professor in Medicine
Director Emeritus and Senior Advisor, Stanford Cancer Institute
Stanford University, CA, USA

Dr. Mitchell has authored over 150 peer-reviewed articles, is past-President of the American Society of Hematology and a member of the National Academy of Medicine. Her research relates to the development of new therapies for hematologic malignancies and the translation of laboratory-based research into clinical trials. She spent 10 years as the Director of the Stanford Cancer Institute, and in that role she focused on diseases such as liver cancer that are in need of enhanced understanding and new approaches to treatment.

SYMPOSIUM SCIENTIFIC COMMITTEE

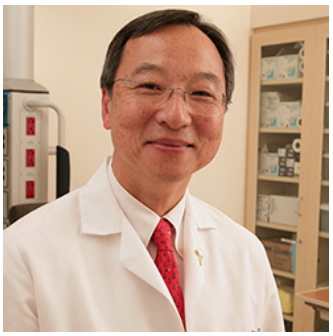
MICHAEL SNYDER, PhD

Stanford W. Ascherman Professor and Chair, Department of Genetics
Director, Center for Genomics and Personalized Medicine
Stanford University, CA, USA

Michael Snyder is the Stanford Ascherman Professor and Chair of Genetics and the Director of the Center of Genomics and Personalized Medicine. Dr. Snyder received his Ph.D. training at the California Institute of Technology and carried out postdoctoral training at Stanford University. He is a leader in the field of functional genomics and proteomics, and one of the major participants of the ENCODE project. His laboratory study was the first to perform a large-scale functional genomics project in any organism, and has developed many technologies in genomics and proteomics. These including the development of proteome chips, high resolution tiling arrays for the entire human genome, methods for global mapping of transcription factor binding sites (ChIP-chip now replaced by ChIP-seq), paired end sequencing for mapping of structural variation in eukaryotes, de novo genome sequencing of genomes using high throughput technologies and RNA-Seq. These technologies have been used for characterizing genomes, proteomes and regulatory networks. Seminal findings from the Snyder laboratory include the discovery that much more of the human genome is transcribed and contains regulatory information than was previously appreciated, and a high diversity of transcription factor binding occurs both between and within species. He has also combined different state-of–the-art “omics” technologies to perform the first longitudinal detailed integrative personal omics profile (iPOP) of person and used this to assess disease risk and monitor disease states for personalized medicine. He is a cofounder of several biotechnology companies, including Protometrix (now part of Life Tehcnologies), Affomix (now part of Illumina), Excelix, Personalis, and Q Bio.

SAMUEL SO, MD

Lui Hac Minh Professor and Professor of Surgery
Director, Asian Liver Center
Stanford University, CA, USA



Dr. So is the founder of the multidisciplinary liver cancer program at the Stanford Cancer Center, and the founder and executive director of the Asian Liver Center. He is the author of over 200 peer reviewed publications. His research focus is on the discovery of novel approaches in the early detection and treatment of liver cancer and the population health impact and cost-effectiveness of national hepatitis B screening, care and treatment programs. Dr. So is recognized worldwide for his expertise in chronic hepatitis B and liver cancer prevention, research, treatment and health policy. He served as a consultant for the US FDA and served on the committee of the US National Academy of Sciences, Engineering and Medicine that developed the national strategy for the elimination of hepatitis B and C in the US published in 2017. He also serves as a special adviser on viral hepatitis for the World Health Organization Western Pacific regional office. In 2010, he received the US CDC and ATSDR Honor Award for mobilizing people and resources in ways that have changed global public health policies related to hepatitis B. In 2014, Dr. So was recognized by the White House for global and national leadership in the prevention and control of viral hepatitis.

SYMPOSIUM SCIENTIFIC COMMITTEE

DARIA MOCHLY-ROSEN, PhD

Professor of Chemical and Systems Biology
George D. Smith Professor for Translational Medicine
Co-director of SPARK Translational Research
Stanford University, CA, USA

Daria Mochly-Rosen, Professor of Chemical and Systems Biology, is the George D. Smith Professor for Translational Medicine and the co-director of SPARK at Stanford. Daria leads a multi-disciplinary research lab that includes chemists, biochemists, biologists and physician scientists and has used her basic research discoveries to develop a number of drug leads for human diseases with a particular interest in mitochondrial biology and pathology. She was the chair of her department (2001-2004) and Senior Associate Dean for Research (2013-2016), has published over 250 papers and ~30 patents and patent applications.

Daria is the founder, president and co-director of SPARK (since 2006) which provides education in drug discovery and development and has helped over 100 inventors (60% of the participants) of biopharmaceuticals and diagnostics bring their invention to clinical studies and/or to licensing. She is the president founder of SPARK Global established (or under development) in many academic institutions around the world, increasing the likelihood that new treatments will be developed from academic research efforts across the globe.

Dr. Mochly-Rosen holds a Ph.D. in Chemical Immunology from the Weizmann Institute of Science in Israel, and completed her postdoctoral training at University of California, Berkeley.

MINDIE NGUYEN, MD, MAS, AGAF, FAASLD

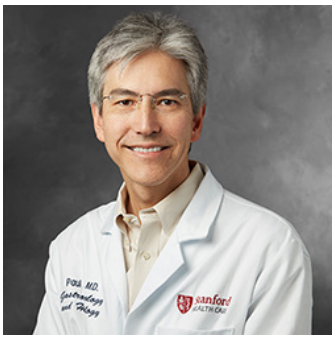
Professor of Medicine
Director for the Hepatology Fellowship in the Division of Gastroenterology and Hepatology and Liver Transplant
Stanford University, CA, USA

Dr. Nguyen an active clinician with a large general and transplant liver practice, an active researcher in viral hepatitis, non-alcoholic fatty liver disease and liver cancer research with over 200 publications including over 150 original research articles. She has served as editorial/advisory board member for several leading journals such as Lancet Gastroenterology and Hepatology, Gastroenterology, and Hepatology. She is Chair of the Hepatitis B Special Interest Group Global Outreach Subcommittee for the American Association for the Study of Liver Diseases and is currently the lead Principal Investigatorfor several multinational real-world studies involving over 30 centers in Asia Pacific. She is also an active teacher and has mentored over 130 trainees from students to Associate Professor.

SPEAKER BIOS 10.17.2018

PAUL KWO, MD

Professor of Medicine
Director of Hepatology
Stanford University, CA, USA



Dr. Kwo joined the Stanford University faculty in November 2016. Prior to joining the faculty at Stanford, Dr. Kwo was at Indiana University for 21 years where he served as the Medical Director of Liver Transplantation. He has distinguished himself in the field of Hepatitis C therapeutics and has been the principal investigator on multiple international trials. He recently authored the ACG Clinical Guideline: Evaluation of Abnormal Liver Chemistries.

ADRIAN DI BISCEGLIE, MD

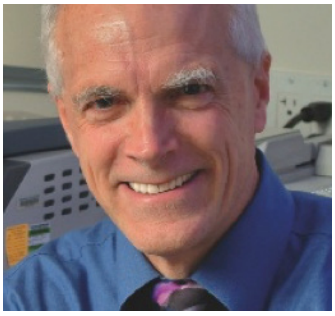
Professor of Internal Medicine
Chief of Hepatology
Bander Endowed Chair in Internal Medicine
Saint Louis University, MO, USA

Dr. Di Bisceglie is a Professor of Internal Medicine at the Saint Louis University School of Medicine and has been on the faculty there since 1994. Dr. Di Bisceglie is an internationally recognized expert in the field of viral hepatitis and liver disease and has published over 300 peer reviewed publications and has served on the editorial boards of many journals including Hepatology, Liver Transplantation and as Section Editor, Hepatitis C for UpToDate. He has served on many international and national committees including the Scientific Planning Committee for the Global Hepatitis Summit to be held in Toronto in 2018 and has chaired the American Association for the Study of Liver Diseases (AASLD) Public Policy and Clinical Research Committees. Dr. Di Bisceglie served on the governing board of AASLD from 2009 to 2015 and was president of that organization.

SPEAKER BIOS 10.17.2018

BRIAN MCMAHON, MD, MACP, FASSLD

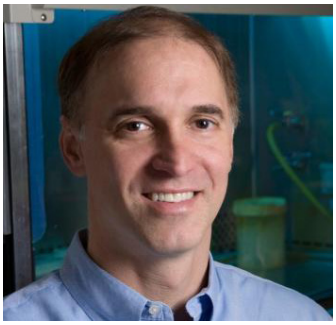
Medical and Research Director
Liver Disease and Hepatitis Program
Alaska Native Tribal Health Consortium
Associate Researcher
Centers for Disease Control and Prevention, AK, USA



Dr. McMahon is a clinical Hepatologist and the Scientific Program and Clinical Director of the Liver Disease and Hepatitis Program at the Alaska Native Medical Center in Anchorage, Alaska, and guest researcher at the Arctic Investigations Program of the CDC in Anchorage. Dr. McMahon is a fellow in the AASLD and a Master in the American College of Physicians. His program follows over 1200 Alaska Natives with chronic hepatitis B and 2400 with chronic hepatitis C. He conducts research on long-term outcome and management of chronic hepatitis B and C. He is the co author of the American Association for the Study of Liver Disease (AASLD) US Practice Guideline on Chronic Hepatitis B with 4 updates from 2001 to 2009, the 2018 AASLD HBV Guidance and was co-chair of the WHO hepatitis B Guidelines Committee in 2015. He has 150 peer-reviewed original scientific articles and 60 book chapters/review articles/editorials.

STEVEN ARTANDI, MD, PhD

Laurie Kraus Lacob Director of the Stanford Cancer Institute
Professor of Medicine and Biochemistry
Stanford University, CA, USA

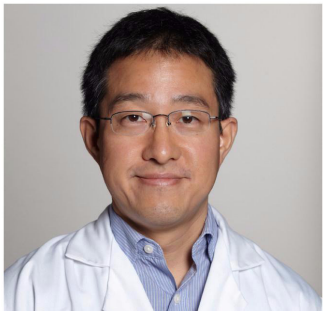


Dr. Artandi is the Laurie Kraus Lacob Director of the Stanford Cancer Institute and Professor of Medicine and Biochemistry at Stanford University School of Medicine. He earned an A.B in chemistry at Princeton University, and M.D. and Ph.D. degrees from Columbia University. Dr. Artandi trained in internal medicine at Massachusetts General Hospital and in medical oncology at Dana-Farber Cancer Institute at Harvard Medical School. During his postdoctoral training at Dana-Farber, Dr. Artandi found that telomere shortening is a major factor in destabilizing the genome and driving cancer development in many common cancer types. Dr. Artandi investigates fundamental questions in cancer biology and stem cell biology and how these processes are altered in human disease. His laboratory has made many discoveries revealing mechanisms of action of human telomerase, the enzyme that elongates telomeres and endows cancers with unlimited growth potential, including new proteins required for telomerase function in human cells. In human liver cancer, non-coding mutations in the promoter of the telomerase reverse transcriptase (TERT) gene represent the most common somatic mutations. Dr. Artandi has developed genetic means of identifying telomerase-expressing cells in tissues in vivo. In the liver, a rare subpopulation of hepatocytes express high levels of telomerase. These cells are distributed throughout the anatomy of the liver lobule and serve as hepatocyte stem cells, regenerating the liver during homeostasis and injury. These hepatocyte stem cells are likely a cell-of-origin for hepatocellular carcinoma – the cells that sustain the first mutations initiating liver tumors.

SPEAKER BIOS 10.17.2018

YUJIN HOSHIDA, MD, PhD

Associate Professor
University of Texas Southwestern Medical Center
TX, USA



Dr. Yujin Hoshida is a physician scientist trained for clinical gastroenterology and hepatology, diagnostic pathology, diagnostic and interventional radiology, biostatistics, genomics, and systems biology. Dr. Hoshida directs a laboratory studying molecular classification, prognostic prediction, and chemoprevention in liver cirrhosis and cancer. He has been leading several international translational liver cirrhosis/cancer genomics projects, including Precision Liver Cancer Prevention Consortium, utilizing high-throughput omics technologies and integrative clinical and cross-species genomic analysis over the past decade. The current focuses of his team include identification and validation of liver cancer risk-predictive molecular biomarkers for each specific regional, etiological, and racial/ethnic liver cirrhosis/cancer patient population by analyzing clinical specimens from Europe, Asia, and the US, development of risk-stratified personalized cancer screening strategy based on cost-effectiveness analysis, identification of therapeutic and chemopreventive targets in liver cirrhosis and cancer, and development of nanotechnology-based chemoprevention therapies.

KENNETH TANABE, MD

Professor of Surgery
Harvard Medical School
Chief of the Division of Surgical Oncology and Deputy Clinical Director of the Massachusetts General Hospital Cancer Center
MA, USA

Dr. Tanabe received an M.D. degree from the University of California, San Diego, completed a residency in general surgery at the New York Hospital Cornell Medical Center, and completed a fellowship in surgical oncology at M.D. Anderson Cancer Center. Dr. Tanabe's research laboratory focuses on molecular signals in cirrhosis and NASH that lead to hepatocellular transformation. He is the PI of an NIH-funded multi-institutional clinical trial evaluating erlotinib for treatment of cirrhosis and prevention of liver cancer. His research team has also developed several oncolytic viruses that effectively destroy liver tumors, and one of these engineered virus is presently under evaluation in an NIH-sponsored clinical trial. Dr. Tanabe is the author of more than 150 peer-reviewed original research articles, as well as dozens of review articles and book chapters. Dr. Tanabe serves as the Deputy Editor of Annals of Surgical Oncology and serves on the editorial board of several other oncology journals.

SPEAKER BIOS 10.17.2018

JORGE MARRERO, MD, MS

Professor of Medicine
Associate Vice-president and Medical Director of Liver Transplantation
University of Texas Southwestern Medical Center
TX, USA

Dr. Marrero is a Professor of Medicine at UT Southwestern Medical Center, and is an Associate Vice-President and Medical Director of Liver Transplantation. He is world renowned for his work in hepatocellular carcinoma (HCC) and liver transplantation. His research focus covers early diagnosis, staging and novel therapies in the field of HCC. In terms of early diagnosis, he has performed several studies that validated novel biomarkers. He currently is the principal investigator of an NCI-funded study to prospectively validate these serum markers in those with cirrhosis. He has worked on diagnosis of HCC, specifically with imaging criteria for this tumor. He has published several manuscripts on treatment, specifically on liver transplantation for early stage HCC and on novel therapies for advanced HCC. He is a founding member of the International Liver Cancer Association, a member of The American Association for the Study of Liver Disease and the American Gastroenterological Association, and a member of the National Comprehensive Cancer.

SHINYA OHASHI, MD, PhD

Assistant Professor
Department of Therapeutic Oncology
Graduate School of Medicine
Kyoto University, Kyoto, Japan

Dr. Ohashi started his research career as a postdoctoral fellow at the Gastroenterology Division in University of Pennsylvania (Dr. Nakagawa lab: 2008-2011), and he studied about tumor biology regarding esophageal squamous cell carcinoma (ESCC) cancer invasion. At Kyoto University since 2013, his research has expanded to elucidate the molecular mechanisms of esophageal carcinogenesis and to develop effective preventive methods against ESCC. Acetaldehyde is considered to be a key carcinogens for the esophagus, and gene polymorphisms of aldehyde dehydrogenase 2 (ALDH2) is deeply involved in the increased risk of ESCC, especially in heavy alcohol drinkers. He is proceeding his research focusing on acetaldehyde-mediated esophageal carcinogenesis using primary esophageal epithelial cells and Aldh2 knockout mice. Recently, he is currently involved in the development of a simple and accurate screening tool for identifying mutant ALDH2 gene carriers using exhaled breath. Breath samples were collected after drinking 100ml of 0.5% ethanol using specially designed gas bags, and breath ethanol and acetaldehyde levels were measured by semiconductor gas chromatography. He showed that this device identified the carriers of mutant ALDH2 very quickly (about 8 min) and accurately (whole accuracy; 96.4%) (Clin Transl Gastroenterol. 2017, 8(6): e96). His group is aiming for clinical application of this device and is currently conducting physician-initiated clinical trials."

SPEAKER BIOS 10.17.2018

TRAM KIM LAM, PhD, MPH

Program Director, Environmental Epidemiology Branch
National Cancer Institute
Bethesda, MD

Dr. Tram Kim Lam serves as a Program Director in the extramural Division of Cancer Control and Population Sciences for the National Cancer Institute (NCI). She oversees a comprehensive research grant portfolio that focuses on modifiable risk factors and cancer. Her responsibilities also include developing research initiatives and forming collaborations with other institutions and centers across the National Institute of Health to advance cancer-related research. Dr. Lam is the NCI program director for the transdisciplinary Breast Cancer and the Environment Research Program in collaboration with the National Institute of Environmental Health Sciences. She is the scientific contact for several NCI-sponsored initiatives covering a spectrum of research areas, including liver cancer, microbiome, cancer disparities, and understudied populations. Dr. Lam received her undergraduate degree in biology at Yale University, her doctoral degree in cancer epidemiology at The Johns Hopkins Bloomberg School of Public Health, and her fellowship training as a Cancer Prevention Fellow in the NCI's intramural Division of Cancer Epidemiology and Genetics.

SPEAKER BIOS 10.18.2018

JULIO FERREIRA, PhD

Associate Professor
Institute of Biomedical Sciences
University of Sao Paulo, Brazil

Dr. Ferreira received his PhD in Cardiovascular Physiology from the University of Sao Paulo. He first characterized the role of a calcium-sensitive PKC (PKCβII) in mitochondrial dynamics through mitofusin 1 and developed a selective peptide that blocks this interaction and improves heart failure outcome. Dr. Ferreira also helped to elucidate the role of mitochondrial dynamics in cardiac ischemia-reperfusion injury where excessive mitochondrial fission contributes to long-term cardiac dysfunction. At University of Sao Paulo since 2012, his lab set out to study the mitochondrial aldehyde dehydrogenase 2 and its association with human diseases. This enzyme plays a critical role in detoxifying aldehydes that accumulate through oxidative stress and to which we are exposed from the environment. They provided evidence that activating ALDH2, using a small compound discovered by Mochly-Rosen lab (Alda-1), is sufficient in protect against aldehyde-induced mitochondrial dysfunction and improve heart failure outcome. They also demonstrated that ALDH2 activator counteracts the deleterious effects of an ALDH2 inactivating mutation (termed ALDH2*2) during ischemia-reperfusion injury. More recently, Ferreira's lab has been studying the impact of exercise on muscle fitness in health and disease. His lab has shown that exercise promotes a cardiac and skeletal muscle anti-remodeling effect followed by improved outcome in different physiological and pathological conditions. They provided evidence that the positive impact of exercise on cardiac muscle occurs thorough a better clearance of damaged and dysfunctional mitochondria; therefore recovering the synergy between cardiac mitochondrial quality control and bioenergetic efficiency in heart failure.

FENG XU, MD, PhD

Professor of Medicine
Director, Department of Emergency Medicine and Chest Pain Center
Qilu Hospital of Shandong University, Jinan, China

Dr. Xu has been working in the Department of Emergency Medicine and Chest Pain Center, Qilu Hospital of Shandong University since 2006. Dr. Xu also worked as a visiting scholar in the Yale School of Medicine at Yale University in 2016. During the past 15 years, Dr. Xu has been focusing his research in the field of acute and critical cardiovascular diseases, especially in acute coronary syndrome, acute chest pain, acute heart failure and cardiopulmonary resuscitation. He has completed more than thirty peer-reviewed articles. Dr. Xu has received more than ten research grants from Natural Science Foundation of China (NSFC) and other government administrations. He also serves as the vice president for the Young Committee of Chinese Society of Emergency Medicine, Chinese Medical Association (CMA), and as a corresponding editor of several academic journals in China, including Chinese Journal of Emergency Medicine and Chinese Critical Care Medicine.

SPEAKER BIOS 10.18.2018

KENNETH WEINBERG, MD

The Anne T and Robert M Bass Professor of Pediatric Cancer and Blood Diseases
Physician-Scientist, Division of Stem Cell Transplantation and Regenerative Medicine
Stanford University, CA, USA

Dr. Weinberg trained as a pediatric hematologist-oncologist and continues to practice clinical hematopoietic stem cell transplantation (HSCT). He leads a laboratory that studies the development of hematopoietic stem cells into lymphocytes in order to understand both normal immunity and mechanisms of immune deficiencies, and to discover strategies to promote immune regeneration after injuries such as HSCT or in aging individuals. The goal of these studies is to improve the treatment of children and adults with cancer and genetic or immune diseases. The approach taken by the Weinberg laboratory is to study patients with rare genetic defects in lymphohematopoiesis that point to essential biological processes that can be further studied in in vitro or in vivo laboratory models. Examples of this approach are advances in the understanding of the cytokine signals required for normal lymphocyte development from the study of patients with severe combined immune deficiency syndrome (SCIDS), and the interactions between lymphoid progenitors and the thymic microenvironment from studies of patients with the Chromosome 22q11 Deletion (DiGeorge) syndrome. In collaboration with Drs. Daria Mochly-Rosen and Eric Kool at Stanford, new studies have been initiated to prevent DNA damage to HSC, using the disease model of Fanconi anemia (FA), a rare genetic syndrome marked by defective repair of aldehyde-induced DNA lesions. Besides science and medicine, Dr. Weinberg is passionate about besbol, hoops, fishing, railroads, and music.

WENJING YANG, PhD

Chief Scientific Officer
Foresee Pharmaceuticals Co., Ltd. Taipei, Taiwan

Dr. Yang has over 25 years of industry experience in drug discovery, pre-clinical and early phase clinical development of small molecules in virology, inflammation, neurology, oncology and metabolic-cardiovascular diseases, with several compounds advancing into clinical developments. His current research interests focus on developing ALDH2 agonists and highly selective MMP-12 inhibitors for unmet needs in the treatment of chronic and rare diseases. He previously served as Vice President of Chemistry at Eiger BioPharmaceuticals (NASDAQ: EIGR), where he oversaw research and development on HCV NS4B inhibitor and prenylation inhibitor for HDV. He also served as Director and Head of Medicinal Chemistry at Sunesis Pharmaceuticals (NASDAQ: SNSS), where he was responsible for scientific team management, multiple medicinal chemistry programs and the collaboration with Merck, Biogen and Johnson & Johnson. Before joining Sunesis, Dr. Yang was a Research Scientist at Gilead Sciences (NASDAQ: GILD) and a postdoctoral research fellow at The Scripps Research Institute. Dr. Yang is inventor of 24 U.S. issued patents and several additional pending patents and has authored 24 peer-reviewed manuscripts. Dr. Yang received his Ph.D. in Organic Chemistry from the University of California, Riverside.

SPEAKER BIOS 10.18.2018

SILVIA BALBO, PhD

Assistant Professor of the School of Public Health, Division of Environmental Health Science and Masonic Cancer Center
University of Minnesota, MN, USA

Silvia received her PhD in Drug Science from the University of Torino (Italy). Her extensive laboratory experience in organic synthesis and genetic toxicology was then complemented by her training in molecular epidemiology during her post-doctoral work at the International Agency for Research on Cancer (IARC) in Lyon, France. With this background, Dr. Balbo moved to the University of Minnesota with the ability to understand and propose an interdisciplinary approach to the challenging questions concerning the role of complex exposures in lung and head and neck carcinogenesis. Specifically, her lab focuses on developing accurate mass spectrometry-based methods to characterize exposures and their corresponding genotoxic effects. Her work has led to establish for the first time the direct DNA damaging effects of alcohol consumption in the human oral cavity, resulting from the direct reaction with DNA of acetaldehyde, the main metabolite of ethanol.

ERIC KOOL, PhD

George and Hilda Daubert Professor
Department of Chemistry
Stanford University, CA, USA

Dr. Kool first became interested in aldehyde reactivity as a graduate student, and more recently his lab has developed two technologies (catalysts and quenched probes) that have facilitated analysis of biogenic aldehydes in cells and tissues. Kool's research interests lie in the interdisciplinary fields of organic chemistry, chemical biology, and biophysics. His work is aimed at the design of new functionally useful molecular tools, and applying them to gain basic understanding of biological interactions and mechanisms. His laboratory has focused recently both on the development of fluorescent probes for biomolecules and enzyme activities, as well as the chemistry and biology of nucleic acids. Kool received his PhD in organic chemistry at Columbia University, and was trained in chemical biology as a postdoctoral fellow at Caltech. He has published over 280 papers during his career. He is an inventor on 30 patents granted or pending, and his inventions have been used as founding technologies for three biotechnology companies. He has trained more than 120 graduate students and postdoctoral researchers in his laboratory; over thirty of them have taken academic positions worldwide. A popular teacher at Stanford, he has twice been awarded the Humanities & Sciences Dean's Award for Distinguished Teaching.

SPEAKER BIOS 10.18.2018

CHIEN-JEN CHEN, ScD

Distinguished Research Fellow
Genomic Research Center
Academia Sinica, Taipei, Taiwan

Professor Chien-Jen Chen received his Sc.D. majored in epidemiology and human genetics from the Johns Hopkins University. He was the founding director of Graduate Institute of Epidemiology and Preventive Medicine, and the Dean of College of Public Health of National Taiwan University. He is well-known internationally for his REVEAL-HBV/HCV study which pioneered the paradigm of viral load measurement in the management of viral hepatitis. He and colleagues has well documented the efficacy of national hepatitis B immunization program and viral hepatitis therapy program to reduce the liver cancer risk in Taiwan. They also elucidated the importance of aflatoxin and alcohol as well as their metabolism enzyme polymorphisms in the development of hepatocellular carcinoma in humans. He was elected as a member of Academia Sinica and World Academy of Sciences and a foreign associate of National Academy of Sciences, USA. He is now the Vice President of the Republic of China (Taiwan).

HIROSHI NAKAGAWA, MD, PhD

Research Associate Professor of Medicine
Associate Director, Cell Culture and iPS Core
University of Pennsylvania, Philadelphia, PA, USA

Dr. Nakagawa has a broad background in gastrointestinal epithelial biology, tumor biology, and molecular and cellular biology. As a postdoctoral fellow at the Massachusetts General Hospital (1993-1996), he investigated cyclin D1 and the transcriptional regulation of genes in the esophageal squamous epithelium, and developed the first transgenic mouse model of esophageal squamous cell carcinoma (ESCC), the deadliest of all human cancers with alcohol as a major risk factor. At Penn GI Division since 1998, he expanded his research to study EGFR and other genes essential in ESCC. He has developed the novel single cell-derived three-dimensional (3D) organoid system (Cell Mol Gastroenterol Hepatol. 2018;5:333-352), recapitulating esophageal squamous epithelial structure and ESCC pathology. Alcohol in ESCC pathogenesis represents his recent research focus. The pathogenic role of alcohol (EtOH) in the esophageal epithelium remains unknown. EtOH metabolism produces acetaldehyde, a major human carcinogen. EtOH detoxification involves clearance of acetaldehyde via aldehyde dehydrogenase (ALDH2), the mitochondrial-specific isoform.

PARTICIPANT LIST

First	Last	Affiliation	Email
Varouj	Amirkhanian	BiOptic, Inc.	varoujamirkhanian@gmail.com
Samuel	Antwi	Mayo Clinic	Antwi.samuel@mayo.edu
Steven	Artandi	Stanford University	sartandi@stanford.edu
Meg	Babakhanian	Stanford University	mbabakha@stanford.edu
Silvia	Balbo	University of Minnesota	balbo006@umn.edu
Roshni	Bhatnagar	Stanford University	roshni.bhatnagar@northwestern.edu
Ya Yun	Chan	Fu Jen Catholic University	jane86814@gmail.com
Amy	Chang	Delta Nutrassentials	amy@deltanutra.com
Che-Hong	Chen	Stanford University	chehong@stanford.edu
James	Chen	Stanford University	jameschen@stanford.edu
Kai-Ren	Chen	Department of Public Health	034416@mail.fju.edu.tw
Yu Hsuan	Chen	Fu Jen Catholic University	bo30302@gmail.com
Emily	Cheng	Ministry of Health and Welfare	aimicheng99@gmail.com
Hung Yi	Chiou	Taipei Medical University	hychiou@tmu.edu.tw
Suvarthi	Das	Stanford University	suvarthi@stanford.edu
Ali	Dehnad	Stanford University	alid@stanford.edu
Renumathy	Dhanasekaran	Stanford University	dhanaser@stanford.edu
Adrian	Di Bisceglie	Saint Louis University School of Medicine	adrian.dibisceglie@health.slu.edu
Ching-Wen	Du	National Taiwan University	judydu0918@gmail.com
Christine	Duffy	Stanford/UCSF	nccnduffy@gmail.com
Ahmed	El Kaffas	Stanford University	elkaffas@stanford.edu
Hashem	El-Serag	Baylor College of Medicine	hasheme@bcm.edu
Dean	Felsher	Stanford University	dfelsher@stanford.edu
Julio	Ferreira	Universidade de Sao Paulo	jcesarbf@usp.br
Da	Gan	Zhejiang University	ganda@zju.edu.cn
Adriana	Garcia	Stanford University	adgarcia@stanford.edu
Spencer	Gordon	Delta Nutrassentials	spencer@deltanutra.com
Eric	Gross	Stanford University	ergross@stanford.edu
Summer	Han	Stanford University	summer.han@stanford.edu
Frederik	Heath	Stanford University	fheath@stanford.edu
Anna	Hnatiuk	Stanford University	annahnatiuk@hotmail.com
Yujin	Hoshida	UT Southwestern	yujin.hoshida@utsouthwestern.edu
Ann	Hsing	Stanford University	annhsing@stanford.edu
Julianna	Hsing	Stanford University	jchsing@stanford.edu
Dan	Hu	Stanford University	mysisterhu@gmail.com
Chi-Ying	Huang	Institute of Biopharmaceutical Sciences, National Yang-Ming University	bpshuang@gmail.com
Shu Lien	Huang	Fu Jen Catholic University	g5170093@gmail.com

PARTICIPANT LIST

First	Last	Affiliation	Email
Shehnaz	Hussain	Cedars-Sinai Medical Center	shehnaz.hussain@cshs.org
Jessica	Hwang	MD Anderson Cancer Center	jphwang@mdanderson.org
Sunhee	Hwang	Stanford University	sunhwang@stanford.edu
Sadie	Ingle	Merck	sadie.ingle@merck.com
Jeff	Jasper	Merck	jeffrey.jasper@merck.com
Amit	Joshi	Stanford University	aujoshi@stanford.edu
Paul	Kwo	Stanford University	pkwo@stanford.edu
Chiasin	Lai	Fu Jen Catholic University	lailailailai1997@gmail.com
Ian	Lai	Stanford University	ilai@stanford.edu
Tze	Lai	Stanford University	lait@stanford.edu
Jessica	Lam	Stanford University Cancer Clinical Trials Office	jclam11@stanford.edu
Tram	Lam	National Cancer Institute	lamt@mail.nih.gov
David	Lau	Foresee Pharmaceuticals	David.lau@foreseepharma.com
Quynh-Thu	Le	Stanford University	qle@stanford.edu
Pin-Chen	Lee	National Yang-Ming University	7916maggie@gmail.com
Dan	Li	Stanford University	dli4@stanford.edu
Sin Jin	Li	Stanford University	sjli@stanford.edu
Amanda	Lin	Stanford University	linaj@stanford.edu
Bryant	Lin	Stanford University	bylin@stanford.edu
Shengda	Lin	Stanford University	shengda@stanford.edu
Xueqiu	Lin	Stanford University	xqlin@stanford.edu
Raymond	Liu	Stanford University	raymond.liu@pennmedicine.upenn.edu
Ziwei	Liu	Stanford University	liuzw04@stanford.edu
Kelsey	Logas	Stanford University	kelseyw7@stanford.edu
Jorge	Marrero	UT Southwestern	jorge.marrero@utsouthwestern.edu
Rachel	Matt	Merck Research Labs	rachel.matt@merck.com
Valerie	McGuire	Stanford University	vmcguire@stanford.edu
Brian	McMahon	Alaska Native Tribal Health Consortium	bdm9@cdc.gov
Yan	Min	Stanford University	yanmin@stanford.edu
Daria	Mochly-Rosen	Stanford University	mochly@stanford.edu
Hiroshi	Nakagawa	University of Pennsylvaia	nakagawh@pennmedicine.upenn.edu
Shinya	Ohashi	Kyoto University Graduate School of Medicine, Department of Therapeutic Oncology	ohashish@kuhp.kyoto-u.ac.jp
Nicolai	Ostberg	Stanford University	nostberg@stanford.edu
Gijsbert	Patijn	Stanford University	patijn@stanford.edu
Thi Thanh Hang	Pham	Stanford University	hpham3@stanford.edu
Su	Po han	Fu Jen Catholic University	victor199786423@gmail.com

PARTICIPANT LIST

First	Last	Affiliation	Email
Xiaoyin	Qu		xq002011@gmail.com
Bruno Barros	Queliconi	Stanford University	brunobq@stanford.edu
Andrew	Raub	Stanford University	araub@stanford.edu
Luis	Rios	Stanford University	lrios@stanford.edu
Harry	Saal	Retrotope	harry@retrotope.com
V. Wendy	Setiawan	USC	vsetiawa@med.usc.edu
Vicky	Shen	Fu Jen Catholic University	vickyshen90066@yahoo.com
Eakta	Singh	Stanford University	eakta@stanford.edu
Samuel	So	Stanford University	samso@stanford.edu
Matthew	Stevens	Stanford University	mcstev@stanford.edu
Tung-Hung	Su	Stanford University	thsu2017@stanford.edu
See-Ying	Tam	Stanford University	stam@stanford.edu
Kenneth	Tanabe	Massachusetts General Hospital	ktanabe@partners.org
Natalie	Torok	Stanford University	ntorok@stanford.edu
Jennifer	Tsai	Stanford University	jenntsai@stanford.edu
Mindy	Tsai	Stanford University	mindyt@stanford.edu
Celia	Tseng	Fu Jen Catholic University	401500235@gapp.fju.edu.tw
Chih-Hsuan	Tseng	Fu Jen Catholic University	show70318@gmail.com
Y. Jane	Tseng	National Taiwan University/ Taiwan SPARK	yjtseng@csie.ntu.edu.tw
Vignesh	Viswanathan	Stanford University	vigneshv@stanford.edu
Tengteng	Wang	University of North Carolina at Chapel Hill	tengteng@live.unc.edu
Feng	Xu	Shandong University Qilu Hospital	xufengsdu@126.com
Wenjin	Yang	Foresee Pharmaceuticals Co.Ltd.	wenjin.yang@foreseepharma.com
Yee Hui	Yeo	Stanford University	yeehuiy@stanford.edu
Sifei	Yin	Stanford University	sifeiyin@stanford.edu
Xuan	Yu	Stanford University	xyu2018@stanford.edu
Xiaocong	Zeng	Stanford University	cong829@stanford.edu
Ning	Zhao	Stanford University	zhaoning@stanford.edu

THANK YOU!

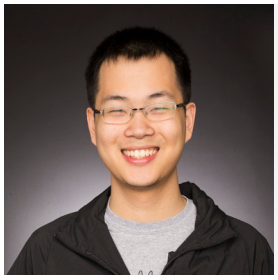
The symposium co-chairs, the scientific committee, and all participants would like to thank the following people for their effort and support for this symposium.

Dean Lloyd Minor for his support and encouragement for this symposium.

Dr. Beverly Mitchell for her commitment and support for this symposium.

Monique Cho Norquist for event planning, registration, speaker transportation, budget management and logistic planning.

Whitney Greene-Nymo for promoting the symposium and for strategic planning.



Christopher Hsing for the symposium logo design.

Sanavy Lou for lodging, SWAG and symposium coordination support.

Sarah Pelta for the design of the conference website, banner, and the meeting program booklet.

Stanford
Cancer Institute
A National Cancer Institute
Comprehensive Cancer Center

Stanford | MEDICINE

Stanford University

2018