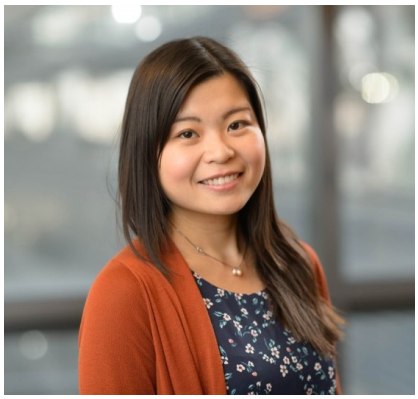
U.S.A.

Dana Tsui



Dana Tsui is a Molecular Biologist graduated from the Chinese University of Hong Kong. Her doctoral research focused on the development of non-invasive prenatal diagnostic test for fetal trisomies using circulating fetal DNA in plasma under the supervision of Prof Dennis YM Lo. She then joined Dr Nitzan Rosenfeld as a postdoctoral research fellow at the Cancer Research UK Cambridge Institute, University of Cambridge, UK.

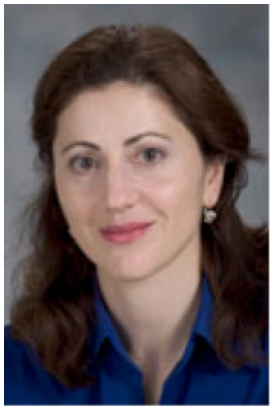
Her work focuses on the development of sequencing-based approaches to study plasma circulating tumour DNA across different cancer types, including breast, lung, ovarian, brain, bladder, melanoma and prostate cancers. Dana recently joined Memorial Sloan Kettering Cancer Center as a faculty member of Department of Pathology and Center for Molecular Oncology with the goal to integrate plasma DNA profiling into clinical cancer management.

Robert A. Anders

Dr. Robert Albert Anders is an associate professor of pathology at the Johns Hopkins University School of Medicine. His clinical expertise includes pathology.
Dr. Anders received his M.D. from Mayo Clinic Medical School College of Medicine. He completed his residency in anatomic and clinical pathology and a fellowship in pathology from the University of Chicago Hospitals.

Research
His research includes gastrointestinal and liver pathology and has published more than 100 peer-reviewed articles. Currently ongoing research in collaboration with Prof. Suzanne Louise Topalian focuses on PD-1 and PD-L1 as biomarkers for immunotherapy cancer treatment, which will be the main topic of his talk.

Vasiliki Papadimitrakopoulou



Dr. Papadimitrakopoulou is Professor, Department of Thoracic/Head and Neck Medical Oncology, Medical Oncology, The University of Texas MD Anderson Cancer Center, Houston, USA. Her medical degree is from University of Patras School of Medicine, Greece and she was clinical resident at the Institut Gustave Roussy, Paris, France, the Columbia Presbyterian Medical Center, New York and MD Anderson, USA.

Research
Her areas of expertise include design and development of novel therapeutic clinical trials for lung and head and neck neoplasms, personalized-genomics-driven lung cancer therapy and translational research and cancer chemoprevention. Her extensive experience in design, development and implementation of translational research in the context of multidisciplinary research teams has led to research funding from NCI, ASCO, and DOD both independently and as a member of a research team.

Currently, she serves as the principal investigator and leads numerous clinical and translational research projects with a focus on the development of biomarker-based targeted therapy to overcome therapeutic resistance in advanced disease. Most notably she created and led the multidisciplinary clinical and translational research infrastructure dedicated to the treatment of metastatic refractory NSCLC as part of the BATTLE-2 program, designed and developed the first-in-the-world comprehensive genomics-driven umbrella approach in Squamous Lung Cancer, the Lung Master protocol, jointly sponsored by NCI-CTEP and FNIH/industry.

She is the Co-PI of an R01 Grant focusing on the role of KRAS mutations and targeting in lung cancer and leading numerous immunotherapy clinical trials. Dr. Papadimitrakopoulou is the lead author or co-author of over 175 published articles, book chapters, reviews and abstracts involving cancer therapeutics, prevention, and translational research and received several awards for her work.

Ana I. Robles

Ana I. Robles, PhD, is a scientist at the **Laboratory of Human Carcinogenesis**, Center for Cancer Research, National Cancer Institute, NIH, Bethesta, USA under Dr. Curtis Harris.

Research
Dr. Robles has more than 20 years of experience in cancer and translational research including bioinformatics analysis of microRNA and mRNA expression in lung cancer, cancer susceptibility syndromes and senescence, the effect of genetic variation on microRNA-mediated regulatory pathways, as well as the identification of lung cancer progenitor cells. Currently her group studies circulating, urinary and tissue-based biomarkers that molecularly categorize Stage I lung cancer patients after tumor resection can help identify those at high-risk who may benefit from adjuvant chemotherapy or innovative immunotherapy. Recently her group published an integrated prognostic classifier for Stage I lung adenocarcinoma based on mRNA, microRNA, and DNA Methylation Biomarkers. She has authored 64 peer-

Japan

Nagahiro Minato

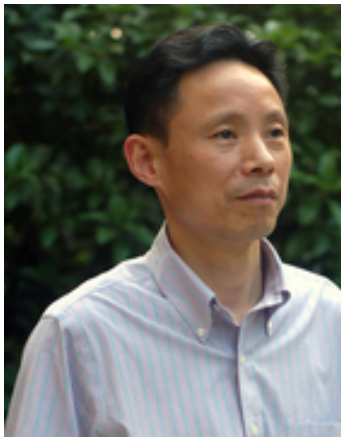
Prof. Nagahiro Minato graduated from Kyoto University School of Medicine in 1975, studied as an associate researcher at Albert Einstein College of Medicine (Prof. Barry R. Bloom) from 1977 to 1980, was appointed to the professor of Immunology and Cell Biology at Kyoto University Graduate School of Medicine in 1992, and served as Dean from 2011 to 2014. He received his doctorate in medicine (MD, PhD) from Kyoto University in 1981.

Research

His main research interests are focused on the central issues in immunology, including the development of T cells, mechanisms of cancer immunity and autoimmunity. He together with Dr. Tasuku Honjo first proposed PD-1 checkpoint blockade cancer immunotherapy in 2002. He was President of the Japanese Society of Immunology in 2014-2015, is an associate member of Japan Science Council, and serving as Executive Vice President of Kyoto University since 2014.

China

Jianwei Zhou



Dr. Jianwei Zhou, MD PhD is a Professor at the Department of Molecular Cell Biology & Toxicology, Cancer Center, School of Public Health; Nanjing Medical University (NMU), currently Dean, School of International Education; Director, Office of International Cooperation & Exchange Affairs; Director, Office of Hong Kong, Macao & Taiwan Affairs, NMU.

Research

Prof. Zhous main research has focused on the relationships between structure and function of environmental responsive genes, molecular regulation and intervention of cancer metastasis, inflammation, ageing and cancer. Since his discovery of the JWA gene while being a visiting researcher at UC Davis, California in 1996-8, continuing research has unraveled important functions of this gene/protein in cell proliferation, apoptosis, DNA repair as well as a prognostic and predictive biomarker for resectable gastric cancer.
He has published more than 90 peer reviewed articles on toxicology, molecular oncology and biomarkers.

Australia

Jenette Creaney

Professor Creaney, MSc PhD, is the Head of the Biomarkers and Discovery unit of National Centre for Asbestos Related Diseases (NCARD) in Perth, Australia. The group i investigating biomarkers for improved diagnosis and monitoring of patients with mesothelioma and also examining the use of biomarkers for screening asbestos-exposed individuals for early detection of mesothelioma.

Research

Prof. Creaney received her PhD in 1995 from La Trobe University (Melbourne, Australia), and has worked in the cancer and immunology fields as a molecular biologist and protein chemist since. She had a residency at the Howard Hughes Medical Institute, Cincinatti, USA, returning in 1999 to work with Professors Bruce Robinson and Richard Lake at the University of Western Australia, Perth, on biomarker discovery projects. Her research includes pioneering work on immunotherapy for mesothelioma and the seminal work on the biomarker mesothelin for use in patients with mesothelioma, published in the Lancet.

Prof. Creaney has received several awards for her scientific work.

Greece

Ioannis Tsamardinos

Ioannis Tsamardinos obtained his Ph.D. from the Intelligent Systems Program in the University of Pittsburgh on Artificial Intelligence Planning. As an intern, he worked at NASA Ames on the Remote Agent of the Deep Space I mission that received the NASA Group Achievement Award. In 2001, he switched fields to machine learning and biomedical informatics and joined the faculty of the Department of Biomedical Informatics in Vanderbilt University until 2006 when he returned to Greece and the University of Crete to join the faculty of the Computer Science Department.

Research

Prof. Tsamardinos' main research concerns the development of machine learning method and their application on biomedical data, particularly Causal Discovery and variable selection methods. Prof. Tsamardinos has over 70 publications in international journals, conferences, and books. He has also participated in several applied projects (including US and EU funded projects) to biomedicine, including the analysis of clinical, epidemiological, microarray gene-expression, flow cytometry, mass cytometry, proteomics and text-categorization.

In November 2013, Prof. Tsamardinos was awarded the prestigious ERC Consolidator Grant for this proposal on developing Causal Discovery methods to apply on mass cytometry, single-cell data of the human immune system and the Greek national excellence grant (ARISTEIA II) on causal-based variable selection. In late 2013 Prof. Tsamardinos and colleagues founded the Gnosis Data Analysis PC, a University of Crete spin-off to provide data analysis services and products. The company has already a product in the market as a plug-in for the QIAGEN bioinformatics platform, one of the leading bioinformatics companies in the world-wide.

Denmark

Mogens Vyberg

Dr. Mogens Vyberg, MD PhD, is a professor of clinical pathology at Aalborg University. Since 1988 he has been senior consultant at the Institute of Pathology, Aalborg Hospital, Denmark. He is head of the Laboratory for immunohistochemistry/R&D, which carries out quality control and protocol optimization for the world's leading diagnostics companies.

Research

Prof. Vyberg's main research fields and clinical expertise are immunohistochemistry and gastrointestinal, liver and brain pathology. The diagnostic uncertainty in immunohistochemistry and how to reach a correct cancer diagnosis is one of his main interests, shown through his extensive work. He is author and co-author of more than 80 scientific papers and several book chapters in these fields as well as the textbook Compendium of Applied Immunohistochemistry (Danish; English version scheduled for 2016).

Prof. Vyberg is co-founder and scheme director of the international organization Nordic Immunohistochemical Quality Control (NordiQC), which was established in 2003 with Aalborg Hospital as its domicile and currently serves about 700 pathology laboratories from more than 40 countries.

Norway

Anne-Lise Børresen-Dale

Prof. Børresen-Dale is the head of the Department of Genetics at Oslo University Hospital, Radiumhospitalet and is the director of the K.G. Jebsen Centre for Breast Cancer Research with a major funding from the K.G. Jebsen Foundation.

Research

Børresen-Dale is among the leading geneticists in research on molecular biology of breast cancer, and her group was among the pioneers in expression profiling of breast carcinomas in collaboration with groups at Stanford University in Stanford, California, demonstrating that breast cancer can be divided into distinct sub-groups with differences in molecular profiles and in overall and relapse-free survival. Her achievements are seminal for understanding breast cancer evolution, and high impact on our view of the complexity of breast cancer. She has authored more than 450 published scientific papers, book chapters, and invited reviews.

Børresen-Dale's current research projects focus on exploring the systems biology of breast cancer using high-dimensional data in integrated approaches. These studies aim to identify the genotypes and gene expression profiles that contribute to elevated cancer risk, radiation sensitivity, tumor aggressiveness, and therapy resistance.

Throughout her career, Børresen-Dale has been recognized with numerous other awards, including the Swiss Bridge Award for Outstanding Cancer Research in 2004, the Möbius prize for Outstanding Research from the Research Council of Norway in 2008, Germany's Helmholtz International Fellow Award in 2014, and the Fridtjof Nansen Award for Outstanding Research in 2015.

Duan Chen

Prof. Duan Chen, MD PhD, is principal investigator of research group of experimental surgery and pharmacology at the Department of Cancer Research and Molecular Medicine, Faculty of Medicine, Norwegian University of Science and Technology (NTNU), Norway. He graduated from Nanjing Medical University, specializing in liver surgery and obtained his PhD from the University of Lund, Sweden.

Currently, he is leader of Unit for Molecular Biology at the Department, chairman of Gastrointestinal Section of International Union of Basic and Clinical Pharmacology (IUPHAR), and work-package leader in the European FP7 project entitled "Understandin food-gut-brain mechanisms across the lifespan in the regulation of hunger and satiety for health". He was member of International Advisory Group on Carcinogenic Hazard Identification of IARC.

Research
Among several topics of research, his group has focused on the role of the nervous syster in tumorigenesis and progression of cancer.
This is an international collaborative project that brings together nine universities and/or hospitals in Norway, USA, Germany, Japan, and China. He has investigated the potential therapeutic effects of denervation surgically, pharmacologically, or by gene targeting on the cancer initiation and progression in animal models, where very encouraging findings have led to publication in Science Translational Medicine in 2014 as well as initiation of clinical trials where botulinum toxin is used to treat gastric cancer.

Hans E. Krokan

Dr. Hans E. Krokan is a professor emeritus of medicine/molecular biology, Department of Cancer Research and Molecular Medicine, Faculty of Medicine, Norwegian University of Science and Technology (NTNU). He was a post-doctoral fellow (Fogarty International Fellowship) at Harvard Medical School,
Dep. Biol. Chem. with prof. Melvin. L. DePamphilis, and a visiting scientist, (Stipend from International Cancer Union, Eleanor Roosevelt Awardee), National Cancer Institute, Lab. Human Carcinogenesis, Molecular Biology Section, Bethesda with Dr. Curtis Harris.

His work has been awarded prestigious prizes, among them the King Olav V Prize for Cancer Research in 2008.

Research
Hans E. Krokan has established an internationally recognized research group focusing on DNA replication, genome maintenance and DNA repair, omega-3 fatty acids research and research on predisposition to lung cancer. He has collaborated with the group of Prof. Tomas Lindahl discovering the DNA repair machinery that received the Nobel Prize in Chemistry 2015. He discovered and characterized the functions of Base Excision DNA repair gene/protein UNG/Uracil DNA glycosylase, its role in class-switch recombination and development of lymphoma. Previously he also established extensive research programs and successfully contributed to drug development of the omega-3 *Omacor*, one of the few therapeutic drugs developed in Norway.

He is the author of more than 180 peer-reviewed articles and is Associate Editor of DNA Repair.

Erik Wist

Dr. Erik Wist, MD PhD is a professor emeritus from the Department of Oncology at the Oslo University Hospital (OUS). Prof. Wist was a leading oncologist and professor for 17 years at the University Hospital of Tromsø, University of Northern Norway (UNN) the most northern University of the world. He has lead the research group for breast cancer at the OUS, through small-scale to large clinical and translational studies.

Research

Professor Wists main research and clinical topic is breast cancer, and he has served as a leader of the Norwegian Breast Cancer Group (NBCG) for 14 years since 2001. Through his leadership, the national guidelines on breast cancer treatment have been amended continuously according to the current "state-of-art" in clinical research in a timely manner. Due to the NBCG, breast cancer has become a model for personalized treatment in Norway.

He has authored more than 180 peer-reviewed articles and books on oncology and mainly on breast cancer.