



## Core Research Mentors

### **Michelle C. Janelsins, Ph.D., M.P.H.**

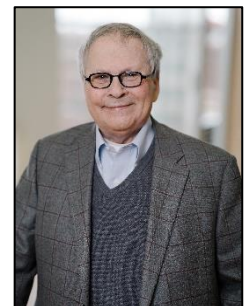
Dr. Janelsins is the Joan and Gary Morrow Endowed Distinguished Professor of Supportive Care in Cancer, a tenured Professor of Surgery, Neuroscience, Oncology and Radiation Oncology and Chief of the Division of Supportive Care in Cancer in the Department of Surgery. She also directs the Cancer Control and Psychoneuroimmunology Laboratory (CCPL) and is Chair of the Cancer Control Research Program for the NCI-funded University of Rochester Cancer Center NCI Community Oncology Research Program (URCC NCORP) Research Base. Dr. Janelsins brings several years of translational research experience focused in immunology, psychoneuroimmunology, neuroscience and cognitive science. Her research is focused on clinical, psychological, and biological mechanisms of cancer-related cognitive impairment (CRCI), and on behavioral and pharmacological interventions to alleviate cognitive impairments and other side effects in cancer patients and survivors. She has multiple R01 awards with over \$19M in total funding as a PI. She currently is PI of one of the largest NCI R01-funded observational studies investigating the effects of chemotherapy on cognitive function in breast cancer and lymphoma patients and age-matched non-cancer controls (N=1432) that is conducted through the nationwide NCORP network to understand the trajectory of CRCI from pre-chemotherapy to post-chemotherapy and at post-chemotherapy follow-ups using several cognitive measures. She has also been funded as an NIH Director's Innovator Awardee (DP2) for bench-to-bedside CRCI research incorporating animal models and human research, as well as on several other grants focused on mechanisms of CRCI and interventions (e.g. physical activity, NSAIDs) to alleviate CRCI and frailty. Dr. Janelsins also serves on various scientific committees and grant review panels including Co-Chair of the NCI Symptom Management and Quality of Life Steering Committee, which reviews relevant protocols to the NCORP network.



As a former NINDS F31 awardee, NCI R25 fellow, and NCI K07 Awardee, Dr. Janelsins is a passionate mentor. As a woman, mother, and first-generation college student who has successfully navigated academia with guidance from her mentors, her continued desire to pay it forward comes naturally in the leadership of our longstanding NCI-funded postdoctoral Clinical and Translational Cancer Control Research Training Program which she is MPI/Contact PI. She has mentored 41 students, fellows, and junior faculty (including 23 women and 10 from underrepresented minority groups) and has helped many current and former mentees establish independent funding (e.g. F99/K00, K99/R00, K07, K01, K08, R21, and R01).

### **Gary R. Morrow, Ph.D., M.S.**

Dr. Morrow is currently an Associate Director for the Wilmot Cancer Institute (WCI), Co-Director of the Wilmot Cancer Institute Cancer Control and Survivorship Research



Program, and a tenured Full Professor of Surgery, Radiation Oncology, Oncology, and Psychiatry at the University of Rochester Medical Center (URMC). He has been the PI or MPI of the Cancer Control Research Training Program (CCRTP) since its initiation 21 years ago. He has also served as the PI or MPI for the University of Rochester Cancer Center (URCC) National Cancer Institute (NCI) Community Oncology Research Program (NCORP) Research Base for over 35 years under both the NCI Community Clinical Oncology Program (CCOP) and NCORP programs. He is the Dean's Professor of Oncology and the Distinguished Professor of Supportive Care in Cancer in the Medical Center.

Dr. Morrow has been actively involved in research since 1975 with a primary, sustained focus on pharmaceutical and behavioral interventions for the management of symptoms and side effects associated with cancer and its treatments. He is also an internationally recognized expert in the area of clinical trial methodology in cancer control. His research has received continuous peer-reviewed funding since 1976 and has resulted in more than 250 peer-reviewed publications. He has carried out investigator-initiated federal grants from NCI, NCCAM, the US Army, and the American Cancer Society research looking at cancer treatment-induced side effects such as nausea, emesis, and fatigue, and is the MPI of the University of Rochester Medical Center NCI-funded T32 Cancer Control Research Training Curriculum grant. He has also conducted clinical trials with the Nathan Cummings Foundation, and pharmaceutical companies Helsinn Pharmaceuticals, GTx Inc., Alza Pharmaceutical, Pfizer, Glaxo, Janssen, and Upjohn. He has served on numerous (and chaired 13) ad hoc and permanent grant review sections for NIH, ACS, and the Department of Defense Medical Command, and was the founding Chair of the Psychosocial and Behavioral Research Review Committee of the American Cancer Society. Dr. Morrow works closely with investigators within the WCI, the University of Rochester at large, and other research and academic institutions to develop relevant concepts and protocols in the area of cancer control and cancer care delivery.

### **Luke Joseph Peppone, Ph.D., M.P.H.**

Dr. Peppone is an Associate Professor of Oncology, Surgery, and Orthopaedics at the University of Rochester Medical Center (URMC). Dr. Peppone originally came to URMC to participate in the Cancer Control Research Training Program. Since completing this position, he has transitioned to a tenure-track Assistant Professor. His research is in the area of cancer control and survivorship with primary foci on investigating the influence of nutritional supplementation and exercise on toxicities and side effects (acute, chronic and late) stemming from cancer and its treatments including translational foci investigating psychoneuroimmunological and genetic mechanistic pathways. He is currently investigating the effects of high-dose vitamin D, marine  $\omega$ -3 polyunsaturated fatty acids, guaraná (a Brazilian botanical product) supplementation, and medical cannabis. The effect of high-dose vitamin D supplementation is being tested on arthralgias, bone mineral density, and fatigue among breast and prostate cancer patients on hormonal therapy. Both marine  $\omega$ -3 polyunsaturated fatty acids and guaraná supplementation are being tested for their effects on fatigue and cognitive issues. Over the past 11 years in the University of Rochester Cancer Center (URCC) group, Dr. Peppone has focused on clinical research for symptom management in cancer patients with a focus on nutraceutical interventions such as high-dose vitamin D, high-dose omega-3 supplementation, and guaraná. He has been awarded \$3.3 million in independent funding as principle investigator (PI) from NIH and ACS, has published 58



peer-reviewed manuscripts, and has received more than 10 scientific awards from national and international associations.

Since completing the CCRTTP, Dr. Peppone has been active in mentoring both pre- and post-doctoral students in cancer control. Dr. Peppone has had a mentoring role for two former CCRTTP trainees and now serves as the primary mentor for a current CCRTTP fellow. In addition, Dr. Peppone has sat on four thesis committees for Masters of Public Health and served as an external dissertation reviewer for the University of Canberra, Australia. In his research role, Dr. Peppone serves as the Chair of Pilot Studies for the URCC National Cancer Institute (NCI) Community Oncology Program (NCORP) Research Base. In this role, Dr. Peppone supervises and coordinates the piloting of cancer control protocols and leads the effort to develop novel and early stage therapy concepts, protocols, and pilot studies. He is also responsible for Novel and Early Stage Therapy Development, including the facilitation and oversight of concepts for which there is little research in the literature, for early-stage interventions, and for protocols in which the intervention is established but not in the population the protocol seeks to study and/or for the symptom being targeted. This position goes hand-in-hand with mentorship roles, as the vast majority of trainees conduct their own pilot studies. Dr. Peppone works personally with all trainees when designing and implementing their pilot work.

**Karen M. Mustian, Ph.D., M.A., M.P.H., A.C.S.M., F.S.B.M.**

Dr. Mustian is a tenured Full Professor in the Department of Surgery, a Dean's Professor of Oncology, MPI and Co-Director of the University of Rochester Cancer Center (URCC) NCI Community Oncology Program (NCORP) Research Base, Co-Director of Cancer Control and Survivorship for the Wilmot Cancer Institute, and Director of the PEAK Human Performance Clinical Research Laboratory. She is internationally renowned in the fields of behavioral oncology, exercise oncology, and cancer control and survivorship with over 15 years of experience conducting large, multi-center, phase II and III clinical trials to treat toxicities and side effects experienced by cancer patients and survivors. Dr. Mustian has served or is serving as the PI on several local and nationwide randomized clinical trials funded by the NCI, NCCAM, OCCAM, NINR, and DOD. She has been continuously funded since 2004, has been awarded over \$61 million in peer-reviewed funding, and has published over 135 peer-reviewed articles.



Dr. Mustian has pioneered methods for testing interventions of yoga, exercise, and cognitive behavioral therapy as well as methods for testing physiology and conducting translational research within the nationwide URCC NCORP Research Base network. Notably, she has designed and tested two behavioral interventions for cancer patients and survivors, respectively: EXCAP® (Exercise for Cancer Patients) and YOCAS® (Yoga for Cancer Survivors). Most recently, Dr. Mustian conducted a landmark meta-analysis comparing the four most common treatments for cancer-related fatigue. This study showed that exercise and psychological interventions are more effective than pharmaceutical interventions. Her work was recognized with two outstanding research awards and the publication in *JAMA Oncology* was the most cited paper for the year 2017. In addition, this work was recognized by the American Society of Clinical Oncology (ASCO) as one of the most significant advances in cancer care for 2018.

Dr. Mustian has mentored more than 80 undergraduate, graduate, and post-graduate students as well as 40 junior faculty, 21 of whom received prestigious Career

Development Awards from NIH (K awards), the American Cancer Society (Mentored Research Scholar Awards), and the URMC Clinical and Translational Science Institute (KL2s).

### **Supriya Gupta Mohile, M.D., M.S.**

Dr. Mohile is a board-certified geriatrician and oncologist and is actively moving forward the field of geriatric oncology. She completed internship, residency, and fellowships in hematology/oncology and geriatrics at University of Chicago Medical Center, where she also earned a Master's degree in health outcomes research. Dr. Mohile's fellowship was funded by an American Society of Clinical Oncology (ASCO) and John Hartford Foundation initiative to train oncologists in the care of older patients. Her research interests include the evaluation of patterns of care, health outcomes, and quality of life related to treatment for systemic cancer in older patients. In 2013, she was awarded a Patient-Centered Outcomes Research Institute (PCORI) Award and a National Cancer Institute (NCI) R01 to evaluate whether geriatric assessment can improve outcomes of older patients with cancer. She directs the Specialized Oncology Care & Research in the Elderly (SOCARE) geriatric oncology clinic at the University of Rochester/Highland Hospital and is an integral member of the University of Rochester Cancer Center (URCC) NCI Community Oncology Research Program (NCORP) Research Base, which is directed by Drs. Gary Morrow and Karen Mustian. She leads the Cancer Care Delivery Research (CCDR) efforts in the Research Base and sits on the CCDR Steering Committee at the NCI. Dr. Mohile is an expert in geriatric oncology with over 148 publications in this area. She serves on the editorial board of the Journal of Clinical Oncology and is the Editor-in-Chief of the Journal of Geriatric Oncology. She was the Chair for the ASCO Geriatric Oncology Task Force and the ASCO Geriatric Oncology Clinical Guideline panel. She was also recipient of the prestigious B.J. Kennedy Award for Scientific Excellence in Geriatric Oncology in June 2018. Dr. Mohile serves as a Core Mentor for the Cancer Control Research Training Program (CCRTP). Having been a previous trainee in the program, she now fosters new ideas and supports mentees and other investigators in their scientific ambitions, especially in regard to concept development, protocol development, and disseminating data. Over the last several years, she has served as primary mentor for five CCRTP trainees.



### **Charles S. Kamen, Ph.D., M.P.H.**

Dr. Kamen is a clinical psychologist with a strong background and training in behavioral medicine, health disparities, and dyadic interventions. His program of research specifically focuses on 1) cancer-related health disparities affecting sexual and gender minority (SGM; e.g., lesbian, gay, bisexual, transgender; LGBT) cancer survivors, and 2) behavioral interventions to address these disparities. He is director of the University of Rochester Cancer Control (URCC) group's Community Engagement Training Laboratory (CENTRAL) and his signature curriculum, the Minority and Underserved Research, Action, and Learning (MURAL) Program, provides tools to investigators and coordinators to educate and recruit "invisible" and hard-to-reach minority participants (e.g., SGM, African American) to clinical research. He has been awarded a K07 career development award from NCI focused explicitly on SGM cancer-related health disparities, and has also contributed to a range of behavioral interventions to improve the health and well-being of cancer patients and survivors. Dr. Kamen is a former Control Research Training Program (CCRTP) fellow and has been involved with the (CCRTP)





since 2012. Following his transition to tenure track, he has mentored two CCRTF fellows, both of whom were from minority/underrepresented (M/U) backgrounds, and both of whom have developed health equity focused protocols. Moving forward, Dr. Kamen will continue to develop studies to identify and address determinants of cancer disparities in clinical research, including efforts to increase participation in underserved populations. Dr. Kamen is committed to training and mentoring the next generation of cancer control researchers to consider minority and underserved populations when designing clinical trials, as well as developing studies with a specific diversity and health equity focus.

### **Nikesha Gilmore, Ph.D.**

Dr. Gilmore obtained her Ph.D. in Pathology in 2014 from the University of Rochester and completed the T32 fellowship training program in Cancer Control and Survivorship in 2020. She is currently a tenure track Assistant Professor in the Cancer Control Division. Her primary research interest is the development of interventions to mechanistically target frailty in older adults with cancer and to develop evidence-based solutions to foster health equity for older African American/Black patients with cancer. Dr. Gilmore's research also centers upon understanding biomarkers of aging that contribute to frailty and physical resilience that can be targeted by interventions to improve the care of older adults with cancer. Her work also aims to improve the relationships between older African American/Black patients and their caregivers with oncologists. Dr. Gilmore has a KL2 award to investigate the feasibility of an anti-inflammatory nutritional supplement to reduce frailty and inflammation in older survivors of colon cancer. Dr. Gilmore has also received a National Cancer Institute (NCI) supplement award to investigate the use of epigenetic markers of aging to predict frailty trajectories in survivors of breast cancer. Dr. Gilmore has also won numerous awards including the Multinational Association of Supportive Care in Cancer (MASCC) Young Investigator Award and the American Society of Clinical Oncology (ASCO) Merit award.



### **AnnaLynn, Williams, Ph.D.**

Dr. Williams a tenure track Assistant Professor in the Cancer Control Division. She is passionate about cancer control and survivorship research, specifically how to minimize side effects and prevent late effects that patients and survivors experience due to cancer treatments. Dr. Williams received her bachelor's degree in Biology from the University of Rochester, a M.S. degree in Epidemiology from the University at Buffalo, and her Ph.D. in Epidemiology from the University of Rochester in 2018 (under the mentorship of Dr. Michelle Janelsins among others). Dr. Williams' research focuses on cancer related neuropsychological and psychosocial sequelae, their underlying mechanisms, and effective interventions in adolescent and young adult cancer survivors. She is particularly interested in accelerated physiologic and biologic aging as an underlying molecular mechanism by which cancer-related sequelae arise and in exploiting those pathways to identify potential interventions among high-risk subgroups. Dr. Williams has received two NCI career development awards (F99K00, K99R00) in support of her research in these areas.



### **Chin-Shang Li, M.S., Ph.D.**

Dr. Li's research centers on cure models (survival models), generalized linear models, nonparametric regression, semi-parametric regression, zero-inflated models with missing data, (generalized) randomized response data analysis, clinical trials, and the analysis of diverse data types, including longitudinal data.



### **Paula Cupertino, Ph.D.**

Dr. Cupertino is a University of Rochester Medical Center Professor of Public Health Sciences and Oncology and Wilmot Cancer Institute's first Associate Director of Community Outreach, Engagement and Disparities. Dr. Cupertino leads efforts to strengthen and expand Wilmot's research and connections across its 27-county catchment area in upstate New York. A social behavioral scientist, Dr. Cupertino has focused her research on health disparities in underserved and minority communities, primarily among Latinos and immigrants. Much of her work has been in tobacco control, improving smoking cessation and access to cessation treatments using a community-based approach. She also serves as a member of the Medical Center Executive Committee for Diversity and Inclusion and the UR Community Engagement Committee. As part of both efforts, Dr. Cupertino seeks to bring additional resources, infrastructure and opportunities to build a community-based research program in collaboration with UR departments, divisions and centers. Throughout her career, she has had more than 40 peer-reviewed publications, and she has been continuously funded for her research since 2003.



### **Kim Van Orden, Ph.D.**

Dr. Van Orden is a clinical psychologist and Associate Professor in the Department of Psychiatry at the University of Rochester Medical Center. She is the Principal Investigator of the HOPE Lab (Helping Older People Engage) and Co-Director of the Rochester Roybal Center for Social Ties and Aging. Her lab conducts randomized trials of suicide prevention interventions to promote social engagement and healthy aging. Her research has been funded by the National Institute of Mental Health, the National Institute on Aging, and the Centers for Disease Control and Prevention. Dr. Van Orden mentors students and fellows, co-directs an NIH-funded research fellowship in suicide prevention, and maintains an active clinical practice providing evidence-based psychotherapy to older adults.



## **Additional Mentors**

**David H. Adler, M.D., M.P.H.** Dr. Adler is an emergency physician, educator and researcher. He received his medical training at the University of California at San Francisco and his residency training in emergency medicine at Highland General Hospital in Oakland, California. Dr. Adler has been core faculty in the University of Rochester's emergency medicine residency program since 2006. He is the Director of Emergency Medicine Research and also directs the SAEM-approved Emergency Medicine Research Fellowship and the International Emergency Medicine Fellowship. He also serves as Chair of the medical school's International Medicine Faculty Advisory Committee.

**Richard Dunne, M.D.** Dr. Dunne is an Associate Professor of Hematology and Oncology in the Department of Medicine. He is a gastrointestinal cancer oncologist and cachexia researcher, and the protocol Chair for a Cancer Grand Challenge grant project addressing cancer-related cachexia with Drs. Mustian and Lin.

**Ronald Epstein, M.D.** Dr. Epstein is residency-trained as a family physician, with board certification in family medicine and palliative care, clinically trained as a family therapist, and a professor of family medicine, psychiatry, oncology, and medicine (palliative care). He has over 250 publications, 23,000 citations, h-index of 63 and i-10 index of 152. He has published many firsts—studies of communication in the contexts of AIDS, mental health and advanced cancer; qualitative health services research; a highly-cited 2007 NCI monograph on communication in cancer; 4 of the 50 most widely-cited articles in medical education in the past 100 years—and introduced the concepts of mindful practice and shared mind into the medical literature. Dr. Epstein is currently a senior communication and health services researcher with a focus on pragmatic strategies for improving communication with patients with serious and stigmatized illnesses and addressing health professionals' self-awareness and burnout.

**Jonathan Friedberg, M.D.** As Director of the Wilmot Cancer Institute, Dr. Friedberg has had a longstanding interest in development of novel rational therapeutic combinations for lymphoma. His work on Syk inhibition represented the first clinical experience of B-cell receptor signaling cascade blockade in the treatment of lymphoma, and resulted in the Scholar in Clinical Research Award from the Leukemia and Lymphoma Society. He ran the clinical trials core of our Lymphoma SPORE, and has served as PI of several national clinical trials in lymphoma. Dr. Friedberg lead the SWOG lymphoma committee through the NCI NCTN, ran two national studies in non-Hodgkin lymphoma through SWOG, and was the co-leader of the most recent US Intergroup trial in advanced Hodgkin lymphoma. As a member of the National LymphoCare Study Steering Committee, and former PI of the NCCN NHL Database, he has experiences to assist trainees with clinical trial execution and database interpretation.

**John Foxe, Ph.D.** Dr. Foxe is the Director of The Ernest J. Del Monte Institute for Neuroscience. He has a history of basic research studies of the neurophysiology of multisensory integration and attention. In parallel, he has worked to translate new understanding generated in this basic research program to advance understanding of the neuropathology that underlies various neurological, neurodevelopmental and psychiatric disorders. His work places special emphasis on the identification of endophenotypic markers in childhood neurological and neuropsychiatric diseases and in the linking of these biomarkers to the underlying genotype. Dr. Foxe has a consistent history of NIH, NSF, industry and foundation funding, as well as a solid record of productivity (>260 publications; H-Index = 81). His lab employs an integrated multi-methodological approach, using high-density electrophysiology, structural and functional neuroimaging, imaging genomics, eye-tracking, psychophysics, and virtual reality to understand the neural basis of fundamental sensory-perceptual and cognitive functions.

**Kathi Heffner, Ph.D.** Dr. Heffner's research interests and expertise pertain to the examination of psychosocial modulation of physiological responses to stress, immunological/inflammatory dysregulation, and longer-term health outcomes. Her current work aims to identify how physiological adaptation to stress alters immune and inflammatory activity, and the psychosocial factors that moderate these pathways. She has two NIH-funded studies that have recently come to completion to assess the role of sleep disturbance in psychoneuroimmunological mechanisms contributing to depressive and anxiety symptoms in trauma-exposed individuals (R01), as well as

older adults' pain (R21). Currently, Dr. Heffner has two R01s aimed at testing two approaches to regulating stress in caregivers of a spouse with Alzheimer's disease (AD) to, in turn, mitigate the effects of chronic stressors on immune aging.

**David Linehan, M.D.** Dr. Linehan is the Seymour I. Schwartz Professor and Chairman of Surgery at the University of Rochester Medical Center. His academic focus and clinical expertise has centered on translational research to improve outcomes in patients with pancreas cancer. He strives to create a patient-centered, team-oriented and empowering environment that fosters both clinical/scientific excellence and innovation. Dr. Linehan's clinical expertise is in the multi-modality treatment of hepatobiliary and pancreatic malignancies. He is the author of many basic science and clinical manuscripts and he directs an NIH-funded laboratory whose focus is on the tumor microenvironment and the cell-mediated immune response to pancreas cancer. In addition, Dr. Linehan is an active translational researcher, serving as Principal Investigator on several, on-going multi-modality clinical trials.

**Allison Magnuson, D.O.** Dr. Magnuson is a geriatric oncologist focused on addressing cancer-related cognitive impairment in older adults with cancer who frequently may have mild cognitive impairment or dementia. She has led a NIA K76 award and an R01 to assess cognitive rehabilitation intervention and decision-making interventions, respectively. Dr. Magnuson also co-leads WCI's DEI Council.

**M. Kerry O'Banion, M.D., Ph.D.** Dr. O'Banion's research focuses on understanding the role of neuroinflammation in Alzheimer's and other neurodegenerative diseases, as well as its contribution to changes seen following brain irradiation and environmental exposure. He is the Vice Chair in the Department of Neuroscience and has served for 18 years as Principal Investigator of the University of Rochester Medical Scientist Training Program. Much of his current work explores the influence of glial expressed cytokines and infiltrating peripheral cells on brain pathology, and utilizes genetic and pharmacological approaches in a variety of mouse models. In relation to cancer, his lab investigates mechanisms underlying cognitive dysfunction following brain irradiation. With support from NASA, he has also explored the effects of low-dose proton irradiation on the CNS and demonstrated that HZE particle irradiation can exacerbate Alzheimer's disease pathology in a mouse model of that disease.

**Deborah Ossip, Ph.D.** Dr. Ossip is a Behavioral Scientist (Psychology) with a long track record of NIH-funded research as PI in leading multi-site, multidisciplinary research and training projects, with particular focus on tobacco use. Her tobacco control research has spanned basic, clinical, and policy domains, with concurrent foci on translating science to practice and policy. Her basic research includes early studies demonstrating no reduced exposure for "low tar low nicotine" cigarettes, through current collaboration with investigators in biology examining toxicology of emerging products and effects of flavorings. Currently, Dr. Ossip is the Director of the Smoking Research Program in the Department of Public Health Sciences at the University of Rochester and Co-Director of the NYS-funded tobacco policy change initiative in health systems serving low income and psychiatric populations. She is also a Site Director and Career Enhancement Core Co-Director for the Center for Research on Flavored Tobacco (CRoFT), an NIH-funded Tobacco Center of Regulatory Science (TCORS) as a partnership between Roswell Park Cancer Center and the University of Rochester Medical Center. More broadly, Dr. Ossip is MPI of the NIH NCATS-funded Center for Leading Innovation and Collaboration to coordinate over 50 Clinical and Translational Science Award centers nationally.



**Edwin van Wijngaarden, Ph.D.** Dr. van Wijngaarden's primary research efforts have focused on the influence of environmental exposures on cognitive outcomes in children and adults. He leads the Seychelles Child Development Study (SCDS), which for over 30 years has investigated the impact of pre- and postnatal methylmercury exposure on child development. As Chief of the Division of Epidemiology and a Fellow of the American College of Epidemiology, Dr. van Wijngaarden has published over 110 peer-reviewed manuscripts primarily in the areas of environmental and occupational health, and has extensive experience in managing and conducting epidemiologic studies, academic leadership, and mentoring junior investigators in cancer-related research.

**Paula Vertino, Ph.D.** Dr. Vertino is a basic scientist who has collaborated with Drs. Janelsins, Loh and Gilmore on studies of epigenetic age and cancer symptoms. She is also Associate Director for Translational Research at WCI and Senior Associate Dean for Basic Research at UR.

**Martin Zand, M.D., Ph.D.** Dr. Zand is Professor of Medicine and Medical Humanities in the Division of Nephrology. He is also Co-Director of the Clinical and Translational Science Institute and Co-Director of The Center for Leading Innovation and Collaboration and Director of the Rochester Center for Health Informatics. His clinical practice is focused on the care of kidney transplant patients. His approach emphasizes holistic care of the whole person, mind and body. He brings to his practice of medicine an extensive experience in cutting edge clinical immunology, and a practical approach to wellness emphasizing exercise, diet, stress-reduction, and mindfulness. He has an active research program in the biology of antibody producing cells and their role in vaccine responses, transplant rejection, and health informatics.