

2022 Early-Career Investigators Workshop

October 13-15 | In-Person Meeting at AUA Headquarters

Scientific Advisors

Rosalyn Adam, PhD — Boston Children's Hospital
John Gore, MD, MS — University of Washington Medical Center
Michael Hsieh, MD, PhD — George Washington University, Children's National Hospital
Andrew Hung, MD — University of Southern California Health Sciences Campus
Steven Kaplan, MD — Icahn School of Medicine at Mount Sinai
Dolores Lamb, PhD, HCLD (ABB) — Weill Cornell Medical College
Ranjith Ramasamy, MD — University of Miami Miller School of Medicine
Larissa Rodriguez, MD — Weill Cornell Medical College
Steve Zderic, MD — The Children's Hospital of Philadelphia

Additional Speakers

Ellie Daniels, MD, MPH — American Cancer Society
Steven Kaplan, MD — Icahn School of Medicine at Mount Sinai
Susan Lim, PhD — NCI, NIH
Theresa Miller, PhD — DoD Congressionally Directed Medical Research Programs
Tracy Rankin, PhD, MPH — NIDDK, NIH
Larissa Rodriguez, MD — Weill Cornell Medical College
Marcel Salive, MD, MPH — NIA, NIH
Eric Schwinder — U.S. Department of Veterans Affairs

AUA Staff

Alicia Kemp, MBA — Research Education Coordinator
W. Taylor Monson, MA — Research Grants Program Officer
Christine Riordan, PhD, LCSW-C — Director, Office of Research
Diana Tsuji, MPH — Research Education Manager
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- Attestation that clinical recommendations are evidence based and free of commercial bias.
- Introduction of a debate format (point-counterpoint).
- Inclusion of moderated panel discussion with unbiased moderator.
- Publication of a parallel or rebuttal article for an article that is felt to be biased.
- Divestiture of the relationship by faculty.
- Recusal from controlling relevant aspects of planning.
- Selection of alternative faculty for specific topic.

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Learning Objectives

The purpose of this workshop is to educate urologists working in urological research on skills needed to be successful in research, which will, in turn, enhance their abilities to more effectively communicate with their patients on the latest research relevant to the patients' diseases or conditions, engender greater patient confidence in evidence-based clinical decision-making and better ensure delivery of the highest quality of patient care through the ability to understand, engage in and employ in their practice new knowledge from urological research. The research skill of focus for this meeting is successful grant writing. The education will be achieved through classroom-style presentations and interactions with senior investigators serving as scientific advisors. Participating scientific advisors will be chosen based on their successful history of funding in urological research and track record of training predoctoral and postdoctoral researchers.

At the conclusion of the workshop, participating researchers will be able to:

1. Describe the cutting-edge and developing areas in basic and translational research, and identify components of their research efforts that intersect with or expand upon these.
2. Develop and refine a compelling, innovative and testable hypothesis.
3. Develop a reasonable and doable experimental plan that adequately tests the stated hypothesis.
4. Identify potential limitations of the proposed experimental plan and alternative experimental outcomes, and develop responsive alternative experimental approaches.
5. Expand the initial concepts presented in the application to optimally project future directions, concepts and studies.
6. Avoid common pitfalls that typically dampen the enthusiasm of grant reviewers.
7. Describe the necessary administrative (nuts and bolts) components of NIH grant applications.

Early-Career Investigators Workshop Agenda

IN-PERSON PROGRAM: Thursday, October 13, 2022

12:00 p.m.	Attendee Arrival (light lunch available)	
1:00 p.m.	Welcome and Introductions of Faculty and Participants	Larissa Rodriguez, MD <i>Weill Cornell Medicine</i> Christine Riordan, PhD <i>AUA</i>
1:20 p.m.	NIDDK Grant Mechanisms	Tracy Rankin, PhD, MPH <i>NIDDK, NIH</i>
1:45 p.m.	NCI Career Development Grant Mechanisms	Susan Lim, PhD <i>NCI, NIH</i>
2:10 p.m.	VA Research Funding Opportunities	Eric Schwinder <i>U.S. Department of Veterans Affairs</i>
2:35 p.m.	NIA Urologic Research Portfolio	Marcel Salive, MD, MPH <i>NIA, NIH</i>
3:00 p.m.	Break	
3:20 p.m.	DoD Congressionally Directed Medical Research Programs: Funding Opportunities and Application Review	Theresa Miller, PhD <i>DoD Congressionally Directed Medical Research Programs</i>
3:45 p.m.	American Cancer Society Research Programs	Ellie Daniels, MD, MPH <i>American Cancer Society</i>
4:10 p.m.	AUA, Urology Care Foundation and Other Grant Mechanisms	W. Taylor Monson, MA <i>AUA and Urology Care Foundation</i>
4:35 p.m.	Composing a Successful Research Proposal	Dolores Lamb, PhD, HCLD (ABB) <i>Weill Cornell Medical College</i>
5:05 p.m.	Networking Reception and Tour of the William P. Didusch Center for Urologic History Museum	Tupper Stevens <i>AUA Museum and Archives Manager</i>
6:00 p.m.	Dinner	
7:00 p.m.	Adjourn for the Day	

IN-PERSON PROGRAM: Friday, October 14, 2022

7:30 a.m.	Attendee Arrival (breakfast available)	
8:00 a.m.	Welcome and Faculty and Participant Introductions	Larissa Rodriguez, MD <i>Weill Cornell Medicine</i>
8:15 a.m.	Goals for Day 2	Steven A. Kaplan, MD, FACS <i>Icahn School of Medicine at Mount Sinai, AUA Chair of Research</i>
8:30 a.m.	Common Grant Writing Pitfalls	Dolores J. Lamb, PhD, HCLD (ABB) <i>Weill Cornell Medical College</i>
9:00 a.m.	How to Start a Lab as a Junior Faculty	Ranjith Ramasamy, MD <i>University of Miami Health System</i>
9:30 a.m.	Importance of Social Networks and Serendipity in Scientific Discovery	Michael Hsieh, MD, PhD <i>Children's National Hospital</i>
10:00 a.m.	Perspectives from a Senior Investigator	Dolores J. Lamb, PhD, HCLD (ABB)
10:30 a.m.	Break	
10:40 a.m.	Concurrent Training Tracks — Session One	
	ADVANCED Grant Development Group Individual Meetings with Faculty Mentors	<i>1st floor conference room, library and Exhibit Room</i>
	<u>Mentor</u>	<u>Advanced Group Mentee</u>
	Dr. Rosalyn Adan	Drs. Gessner, Wen, Kohaar
	Dr. John Gore	Drs. Lane, Davuluri
	Dr. Michael Hsieh	Drs. De, Doiron, Yang
	Dr. Andrew Hung	Drs. Jiang, Friedlander
	Dr. Delores Lamb	Drs. Singh, Clark
	Dr. Ranjith Ramasamy	Drs. Lundy, Uz
	EARLY Grant Development Group	<i>Auditorium</i>
10:40 a.m.	TBD	<i>Dr. Larissa Rodriguez</i>
11:10 a.m.	Surgeon Scientists at the Starting Line — An Application of Kleiner's Laws	<i>Dr. Steven Zderic</i>
11:40 a.m.	Research Council Chair Update	<i>Dr. Steven Kaplan</i>
12:10 p.m.	Lunch (assigned seating by research interest with faculty)	<i>See sticker on back of nametag for table assignment</i>
1:10 p.m.	Introduction to Peer Review	Larissa Rodriguez, MD <i>Weill Cornell Medicine</i>
1:20 p.m.	Mock Peer Review Study Section	Dolores J. Lamb, PhD, HCLD (ABB) <i>Weill Cornell Medical College</i>
	1) Funded K08 Application (Principal Investigator redacted): "A Patient-Centered Approach to Integration of Life Expectancy into Treatment Decision-Making for Patients with Genitourinary Malignancy"	<i>Primary Reviewer: John Gore, MD, MS</i> <i>Secondary Reviewer: Rosalyn Adam, PhD</i>

	2) NOT Funded K01 Application (Principal Investigator redacted): “Mechanisms of Fatty Acid Metabolism in Prostate Differentiation and Disease”	Primary Reviewer: Rosalyn Adam, PhD Secondary Reviewer: Michael Hsieh, MD, PhD
	3) Funded R01 Application (Principal Investigator redacted): “Improving Diagnosis of Congenital Genitourinary Anomalies”	Primary Reviewer: Michael Hsieh, MD, PhD Secondary Reviewer: John Gore, MD, MS
3:15 p.m.	Break and Transition Time	
3:30 p.m.	Concurrent Training Tracks — Session Two	
	ADVANCED Grant Development Group Independent Work Time (proposal writing and editing)	1 st floor conference room, library and Exhibit Room
	EARLY Grant Development Group Small Group Meetings With Faculty Mentors	Auditorium
	Table	Mentor
	Table 1	Dr. Rosalyn Adan
	Table 2	Dr. John Gore
	Table 3	Dr. Michael Hsieh
	Table 4	Dr. Andrew Hung
	Table 5	Dr. Delores Lamb
	Table 6	Dr. Ranjith Ramasamy
	Table 7	Dr. Steve Zderic
	Table 8	Dr. Steven Kaplan
	Table 9	Dr. Larissa Rodriguez
5:00 p.m.	Independent Work Time (Early and Advanced Groups; specific aims writing and editing)	All Faculty Available Auditorium
5:45 p.m.	Networking Dinner	Auditorium
7:00 p.m.	Adjourn for the Day	

ADVANCED GROUP PARTICIPANTS DELIVERABLES:

- ✓ Personal work time 5:00-5:45 p.m.: Make edits to grants based on feedback from faculty mentors.
- ✓ Update your slides for your presentations tomorrow as needed. (Presentation must not exceed 5 minutes.)

IN-PERSON PROGRAM: Saturday, October 15, 2022

7:30 a.m.	Faculty Meeting: <i>Briefing to prep for the day</i> — All Faculty Attendee Arrival (breakfast available)	1 st Floor Conference Room <i>Auditorium</i>
8:00 a.m.	Welcome and Goals for Day 3	Larissa Rodriguez, MD <i>Weill Cornell Medicine</i>
8:15 a.m.	Transitioning from a K grant to an R01 as an Early-Stage Investigator	Andrew Hung, MD <i>University of Southern California Health Sciences Campus</i>
8:45 a.m.	Selling Yourself Through Your NIH Biosketch	Rosalyn Adam, PhD <i>Boston Children's Hospital</i>
9:15 a.m.	Workshop/Writing Time and Prep for Presentation	<i>All Faculty Available</i>
11:10 a.m.	Lunch	
12:10 p.m.	ADVANCED Grant Development Group: Presentations of Research Proposals (5 minutes per presentation, 1-minute transition)	Christine Riordan, PhD <i>AUA</i>
12:20 p.m. 5-minute talk + 1-minute transition	Understanding the Contribution of Genetic Mutations in the Development of Lethal Prostate	Dr. Roderick Clark
12:26 p.m. 5-minute talk + 1-minute transition	Utilization of Pelvic Floor Exercises After Prostate Cancer Treatment	Dr. Meenakshi Davuluri
12:32 p.m. 5-minute talk + 1-minute transition	Photonic Nanoparticles for Kidney Stone Communication	Dr. Smita De
12:38 p.m. 5-minute talk + 1-minute transition	A Randomized, Placebo-Controlled Trial of a Mucosal-Based Vaccine Against Recurrent Urinary Tract Infections in Residents of Long-Term Care Homes	Dr. R. Christopher Doiron
12:44 p.m. 5-minute talk + 1-minute transition	Mechanistic Investigation of Androgen Receptor Oncogenic Function Despite Antagonism During Late-State Prostate Cancer	Steven Kregel, PhD, MS <i>University of Illinois at Chicago</i>
12:50 p.m. 5-minute talk + 1-minute transition	Slow-Release Growth Factors to Improve Urethral Healing	Courtney Rowe, MD <i>Connecticut Children's Hospital</i>
12:56 p.m. 5-minute talk + 1-minute transition	Vagus Nerve Stimulation to Prevent Bladder and Bowel Dysfunction After Spinal Cord Injury	Casey Steadman, PhD <i>Duke University</i>
1:02 p.m. 5-minute talk + 1-minute transition	Tissue-Engineered Bone Models of Metastatic Prostate Cancer to Bone for Preclinical Analysis and Individualized Medicine	Elenora Dondossola, PhD <i>UT MD Anderson Cancer Center</i>
1:08 p.m. 5-minute talk + 1-minute transition	Gene Variation in RBFOX2 and TRRAP Independently Vitiates Male Genitourinary Development	Victor Ruthig, PhD <i>Weill Cornell Medical College</i>

1:14 p.m. 5-minute talk + 1-minute transition	Development of a Molecular Platform to Improve Diagnostic Risk-Stratification and Therapeutic Decision-Making in Patients With Bladder Cancer	Benjamin Ristau, MD, MHA <i>University of Connecticut</i>
1:20 p.m. 5-minute talk + 1-minute transition	Targeting Bacillus Calmette-Guérin-induced Immunosuppressive Myeloid-derived Suppressor Cells to Reprogram Bladder Tumor Microenvironment in Nonmuscle-invasive Bladder Cancer	Dr. Alok Singh
1:26 p.m. 5-minute talk + 1-minute transition	Wireless Mechano-Electrical Stimulation of Pudendal Nerve Using Piezoelectric Platform for Stress Urinary Incontinence	Dr. Metin Uz
1:32 p.m. 5-minute talk + 1-minute transition	Interrogating Siglec-Sialic Acid Axis as Immune Checkpoints for Prostate Cancer	Dr. Ru Wen
1:38 p.m. 5-minute talk + 1-minute transition	The Role of Randall's Plaque-Associated Macrophages in Biomineralization	Dr. Heiko Hui Yang
1:44 p.m.	Faculty Feedback, Q&A, Closing Remarks	Larissa Rodriguez, MD <i>Weill Cornell Medicine</i>
2:30 p.m.	Adjourn	<i>Shuttles will be available to take you to BWI Airport and Amtrak Train Station.</i>

Faculty and Speaker Bios

Larissa Rodriguez, MD

Dr. Larissa V. Rodriguez is Chair of the Department of Urology, Chief of Urology NYP, and Professor of Urology and Obstetrics and Gynecology, and Director of the Division of Female Pelvic Medicine and Reconstructive Surgery/Urogynecology at WCM-NYP. She has a bachelor's degree in mathematics from MIT and completed her medical training and urology residency at Stanford University, and completed her female urology, voiding dysfunction, and reconstructive surgery fellowship at UCLA. Dr. Rodriguez's clinical research focuses on outcomes of vaginal and robotic surgery, quality of life and health disparities as they relate to pelvic floor disorders, and the pathophysiology and treatment of interstitial cystitis. In the laboratory she is pursuing investigations on the role of environmental stress in the development and maintenance of urinary symptoms, voiding dysfunction and bladder pain. She has been involved in some of the seminal work of the use of adipose-derived stem cells for lower urinary tract reconstruction. She is currently Principal Investigator in the NIH-sponsored Multidisciplinary Approach to the Study of Urologic Pelvic Pain (MAPP) Research Network. She has been a recipient of numerous research grants and has served as reviewer of multiple journals and member of study sections for the NIH and other research foundations. She is an expert in the care of women with pelvic floor disorders including urinary incontinence and voiding dysfunction, pelvic organ prolapse, urinary fistulas and genitourinary tract reconstruction. She has been voted a Southern California Super Doctor multiple years in a row. She has been the recipient of multiple research awards from the AUA, the Western Section of the AUA and SUFU. In 2008 she was the recipient of the Zimskind Award, an award given by SUFU to an individual with significant contribution to the field of pelvic medicine and voiding dysfunction within the first 10 years of their career.

Rosalyn M. Adam, PhD

Dr. Adam is a cell biologist and biochemist with interests in the molecular basis of urological disease. She holds the David E. Retik Chair and is Director of Basic Urologic Research at Boston Children's Hospital. She is also Associate Professor of Surgery at Harvard Medical School, having completed postdoctoral training at the same institutions. She received her BSc Hons from the University of St. Andrews and her PhD from the University of Southampton, both in the UK. Dr. Adam's doctoral work focused on the mechanisms of tumor cell activation by the heparin-binding class of EGF-like growth factors, a theme continued during her postdoctoral training.

Research in her laboratory, which has been funded by the NIDDK since 2004, is currently focused on two primary areas: delineation of the molecular mechanisms that underlie urinary tract remodeling and detrusor overactivity following spinal cord injury, and investigation of novel mechanisms of smooth muscle contractility in hollow organs. In addition to her investigator-initiated funding, Dr. Adam serves as Program Director for the Boston Children's Hospital T32 program "Research Training in Pediatric Urology," funded by the NIDDK. This grant supports a dedicated two-year fellowship in basic, translational or clinical research in urology for post-residency fellows.

Dr. Adam has served on multiple scientific review panels for the NIH, the Veterans Administration, the DoD and the Canadian Institutes of Health Research. She has been an active member of the AUA since 2003 and the Society for Basic Urologic Research since 2001. She was Member-at-Large for the SBUR from 2010-2012, Secretary from 2013-2017 and President-Elect, President and Past President from 2018-2021. She is also a former Chair of the AUA Research Education, Conference and Communications Committee, and has participated as faculty in the Early-Career Investigators Workshop since 2016.

Michael H. Hsieh, MD, PhD, FASTMH

Michael Hsieh, MD, PhD, is a urologist at Children's National Health System. Dr. Hsieh has experience in laparoscopic and robotic surgery for urological conditions and specializes in bladder diseases affecting children and young adults. He is board certified in urology and holds the certificate of added qualification in pediatric urology. Dr. Hsieh was recruited to Children's National and the George Washington University to serve as Director of Transitional Urology. This joint venture is the East Coast's first clinical program dedicated to the care of adolescents and young adults with congenital urological disorders. Many of these patients have chronic cystitis and are at increased risk of bladder cancer, diseases which dovetail with Dr. Hsieh's research interests. Dr. Hsieh runs a bladder biology research group at Children's National and is developing a broader microbiology research program across multiple laboratories. Dr. Hsieh has been a Recognized Doctor on the Healthgrades Honor Roll and Best Doctors in America. He has been featured several times in The New York Times for his work in robotic surgery and bladder inflammation.

Andrew J. Hung, MD

Dr. Hung is a surgeon scientist who specializes in robotic surgery for diseases of the kidney, bladder and prostate. His research interests include the development of artificial intelligence methods to improve surgeon skills assessment and training.

Dr. Hung received his bachelor of science degree with honors from Yale University and completed his medical education at the Weill Medical College of Cornell University with honors in research. Dr. Hung completed his urology residency at the University of Southern California, and he stayed at University of Southern California for a fellowship in advanced laparoscopy and robotics.

Dr. Hung is internationally recognized as a leader in the development of innovative surgical simulation and assessment technologies. To train the next generation of urological surgeons, he developed the first-ever procedure-specific simulation for robotic surgery (*Mimic Maestro AR —Partial Nephrectomy*). Supported by both industry (Intuitive Surgical) and the NIH (NCI-R01CA251579 & NCI-R01CA273031), Dr. Hung has also become a leading innovator in the development of automated performance metrics for robotic surgery. His collaboration with data scientists at University of Southern California and Caltech has harnessed deep learning algorithms to better predict robotic surgical outcomes and automate surgeon skills assessment.

Dr. Hung has produced almost 200 papers on surgical assessment and training in leading journals, including *The Journal of Urology* and *JAMA Surgery*. He served as the first Consulting Editor on Artificial Intelligence for *BJU International*. He currently serves on the AUA Research Grants and Investigator Support Committee.

Dolores J. Lamb, PhD, HCLD (ABB)

Dolores J. (Dorrie) Lamb, PhD, HCLD (ABB) joined Weill Cornell Medicine on March 1, 2018, as Vice Chair for Research in the Department of Urology, Director of the Center for Reproductive Genomics and Professor of Molecular Biology in Urology (tenured). She holds the Robert S. Dow Professorship of Urology. She recently was appointed as Associate Dean, Faculty Affairs. She maintains an active presence in both the academic and research communities at Weill Cornell Medicine. She is a former president of the ASRM, American Society of Andrology, Society for Male Reproduction and Urology (ASRM), Society for the Study of Male Reproduction (AUA), SWIU, Society for Basic Urologic Research, Women in Andrology and American Association of Bioanalysts, and currently serves on the American Board of Bioanalysts as Secretary-Treasurer. She is a highly recognized NIH-funded researcher whose areas of investigation have focused on the genetics of male infertility, the genomics of genitourinary birth defects, steroid-regulated growth of male reproductive tumors and other areas of benign urological research.

Theresa Miller, PhD

Dr. Miller joined the DoD CDMRP in 2004. During her tenure she has worked with several programs within CDMRP to include the breast cancer, ovarian cancer, prostate cancer, lupus and peer-reviewed medical research programs. Dr. Miller now serves as the Program Manager for the DoD NFRP and the KCRP, where she oversees the execution and management of research funds. Congress established the NFRP in FY96 and the KCRP in FY17. Appropriations for the NFRP from FY96 through FY22 totaled \$402 million, and the KCRP from FY17 through FY22 received \$235 million to conduct research that will reduce burden of disease and to develop novel effective treatments.

Dr. Miller received a BS in biology from Le Moyne College, in Syracuse, New York. She completed her PhD studies on lipooligosaccharide biosynthesis genes and its role on *Haemophilus influenzae* pathogenesis in the Department of Microbiology at the University of Iowa. Dr. Miller's graduate research was supported in part by an American Society for Microbiology Robert D. Watkins Graduate Research Fellowship and a UNCF/Merck Graduate Fellowship. Dr. Miller was a recipient of an Oak Ridge Institute for Science and Education postdoctoral fellowship at the U.S. Food and Drug Administration Center for Biologics Evaluation and Research and completed a Technology Transfer Research Award fellowship in the Office of Technology Transfer at the NIH in Rockville, Maryland.

Ranjith Ramasamy, MD

Dr. Ramasamy is a urologist and microsurgeon specializing in male fertility and sexual dysfunction. He has performed and published research in men's reproductive health issues including the genetic basis of male infertility and evaluating and treating hypogonadism. He has authored more than 350 peer-reviewed publications on clinical and scientific issues in reproductive health. He has presented in over 25 national and international conferences and coauthored several book chapters. Dr. Ramasamy has received numerous honors throughout his career, including the Arnold Belker Infertility Fellow of the Year Award, Ira and Ester Rosenwaks New Investigator Award from the ASRM and the Clinician Scientist Development Grant from the American Cancer Society. He has a passion for

education and mentorship. He started the Andrology fellowship and has trained 10 fellows so far. He also started the male fertility preservation program at the University of Miami in an attempt to improve access to care for patients.

Steve Zderic, MD

Dr. Zderic is a clinical urologist with a long-standing interest in the clinical and basic science of the bladder dysfunction that develops in response to spina bifida, bladder outlet obstruction, social stress exposures and inflammation. These categories of problems are highly relevant to the clinical conditions we see daily in the patient population served. The care of these conditions remains frustrating due to limited treatment options, which in turn result from a limited understanding of the underlying pathophysiology. Over the past 10 years Dr. Zderic has shifted his emphasis to study the bladder-brain connection using a top-down model (social stress) and a bottom-up model of inflammation (using cyclophosphamide). Using optogenetics he showed that stimulation of the CRH-expressing neurons in Barrington's nucleus inhibit the voiding reflex in conscious mice.

Currently he is focused on the role of the locus coeruleus and Barrington's nucleus and how their roles in the voiding cycle are altered by inflammation. The techniques he employs include cystometry and voiding pattern analysis to define the voiding phenotype *in vivo*, fluorescence in situ hybridization and immunohistochemistry as well as stereotactic neurosurgery to allow for optogenetic manipulation or recording of EEG activity from these areas. Dr. Zderic's clinical research complements this work. He just completed an NIH-funded study using magnetoencephalography to identify the cortical signatures associated with voiding dysfunction in patients recruited from his urology clinic. The patients with voiding dysfunction and in particular those with a history of a urinary tract infection generated less power in their insular cortex when compared to control subjects, which may offer an explanation for why these children will experience urinary incontinence with no prior warning.

Dr. Zderic's most translational project is developing a new approach to uroflowmetry using a new detector he developed in the lab in which the data flow to a smartphone or tablet to the cloud and into the electronic medical record. This technology was patented by the Children's Hospital of Philadelphia and licensed to UroGenie. The NIH awarded a phase II SBIR grant to UroGenie to develop a sophisticated and user-friendly software package to allow for its commercialization. Dr. Zderic also serves as a coinvestigator on a state grant that explores the use of machine learning in the interpretation of videourodynamic studies in children with spina bifida.

Tracy Rankin, PhD, MPH

Dr. Tracy Rankin is the Program Director for Career Development and Training in the Division of Kidney, Urologic and Hematologic Diseases, NIDDK. She manages a portfolio of career development and fellowship awards encompassing all aspects of renal and benign urological disease. Additionally, she manages a research portfolio focused on urological complications of diabetes and molecular endocrinology of the lower genitourinary tract. She also serves as the Program Director for the Chronic Renal Insufficiency Cohort and the Deputy Director for Clinical Sciences within the Division. Prior to coming to the NIDDK, Dr. Rankin served as the program official for the Reproductive Medicine Network and the Specialized Cooperative Centers Program in Reproduction and Infertility Research (now called the National Centers for Translational Research in Reproduction and Infertility) at the Eunice Kennedy Shriver National Institute of Child Health and Human Development.

Marcel Salive, MD, MPH

Marcel Salive, MD, MPH, is a medical officer in the Division of Geriatrics and Clinical Gerontology at the NIA, NIH. He developed and oversees an innovative research program on multiple chronic conditions in older adults including national consortia, pragmatic clinical trials and clinical research projects. He has developed NIA's program to conduct research into improving the effectiveness of treatment strategies for the comorbid conditions that occur frequently in combination with Alzheimer's disease. At NIA, Dr. Salive oversees a portfolio of pragmatic clinical trials, networks focused on multiple chronic conditions and deprescribing, and grants examining drug safety, wound healing, incontinence and clinical decision-making for older adults. His research interests include prevention and treatment of chronic diseases in older adults, promoting healthy behaviors, epidemiology and health services research. He is a member of the NIH Pragmatic Trials Collaboratory and the program officer for several of its trials. He is a member of the Medicare Evidence Development and Coverage Advisory Committee, evaluating the impact of medical services on health outcomes of Medicare beneficiaries.

Dr. Salive earned chemistry and medical degrees from the University of Michigan and completed his preventive medicine residency and a master of public health at Johns Hopkins University. Dr. Salive has senior-level experience in multiple health agencies including the NIH, Centers for Medicare and Medicaid Services and the U.S. Food and Drug Administration, and has made major regulatory and reimbursement contributions to public health. Prior to rejoining NIA, he was Director of the Division of Medical and Surgical Services at

the Centers for Medicare and Medicaid Services, one of two clinical divisions within the agency that are responsible for Medicare coverage of therapy, medicine, surgery, anesthesia, radiology and preventive services, which comprise more than 40% of Medicare spending.

Attendee List

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