

diversity powers innovation



April 16-20, 2018







Acknowledgements

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Mary C. Ottolini, MD, MPH, MEd, Vice Chair for Medical Education, Professor of Pediatrics, George Washington University, School of Medicine and Health Sciences, Children's National Health System **Linda Talley, MS, BSN, RN, NE-BC,** Vice President of Nursing and Chief Nursing Officer, Children's National Health System

Denice Cora-Bramble, MD, MBA, Chief Medical Officer & Executive Vice President, Ambulatory and Community Health Services, Children's National Health System







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A special thank you



to Conference Services, EVS, Public Relations & Marketing, Security, and the Research and Education Week judges and volunteers!

Thank you for the support, time, talent, and expertise that you have given to make this event a success.

Letter from the Executive Sponsors

Dear Colleagues, Participants, and Guests:

Welcome to the 2018 Children's National Health System Research and Education Week Celebration, showcasing the scholarly achievements of our faculty, staff and trainees across all disciplines and the role they play in advancing medical sciences, Welcome to the 2018 Children's National Health System Research and Education Week Celebration, showcasing the scholarly achievements of our faculty, staff and trainees across all disciplines and the role they play in advancing medical sciences, education and providing the highest quality of care for children.

On behalf of the Children's National Leadership, we thank you for your participation and attendance during the wide range of events during the week. This year's theme is "Diversity Power Innovation" focusing on the importance of diversity and inclusion to power creative thinking, problem solving and the development of new ideas to meet the pediatric healthcare needs of a racially, socially, and economically diverse patient population.

In an accelerated global research and healthcare environment, internationalization of innovation requires an understanding of cultural diversity and inclusion of different mindsets and broader spectrums of perspectives and expertise from a wide range of networks. This week presents an opportunity to celebrate the work of our diverse research teams, who have come together to find innovative solution by working with local, national and international partners.

As a leader in academic medicine, we are committed to diversity and inclusion in medicine and biomedical research, with the goal to develop the next generation of leaders in the field, improve health outcomes, and eliminate health disparities.

We are excited to display over 360 projects by our faculty, staff and trainees which illustrate notable advances in the development of new therapies, diagnostics and medical devices.

We are excited to welcome Dr. Brian Mustanski, Dr. David A. Acosta, Dr. ShaAvhrée Buckman-Garner, Dr. Gregory Roth, Dr. Fitzhugh Mullan, Dr. Camara Jones, Dr. Eliseo J Pérez-Stable, and Dr. Karen Cox as our keynote lectures this year.

This year we are also honored to host Sri Sri Ravi Shankar, a humanitarian, spiritual leader and peacemaker for a special lecture.

We expect this year's event to be exciting and inclusive as ever with more participants from our diverse community and look forward to seeing you throughout the week.

Finally, we want to extend our sincere thanks to the event planning committee and all our partners who developed this year's program. education and providing the highest quality of care for children.



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Vittorio Gallo, PhD
Chief Research Officer, Children's National
Health System, Scientific Director, Children's
Research Institute



Linda B. Talley
Linda Talley, MS, RN, NE-BC
Vice President & Chief Nursing Officer



Many C. Attolini

Mary C. Ottolini, MD, MPH, MEd Vice Chair for Medical Education, Professor of Pediatrics, George Washington University, School of Medicine and Health Sciences, Children's National Health System



Denice Cora-Bramble, MD, MBA
Chief Medical Officer & Executive Vice
President, Ambulatory and Community
Health Services

Schedule of Events

POSTER SESSIONS

Monday, April 16 - Wednesday, April 18 | 8:00am - 4:00pm, First Floor, Main Atrium

Each day a selection of posters will be on display representing projects conducted by faculty, staff, nurses, fellows, trainees, and students reflecting a variety of themes with the categories of: Basic and Translational Science, Clinical Research, Community-Based Research, Education, Training, & Program Development, and Quality & Performance Improvement. Posters will change daily from Monday through Wednesday. Topics that will be represented across the three days include:

- Adolescent Medicine
- · Allergy and Immunology
- · Asthma and Respiratory
- Biochemistry
- Cancer, Immunology, Hematology, and Bone Marrow Transplantation (BMT)
- Cardiology and Cardiovascular Surgery
- Case Management
- Community Research
- Critical Care
- Dentistry
- Developmental and Intellectual Disabilities
- Diabetes

- Emergency Medicine and Trauma
- Endocrinology and Metabolic Disorders
- General Pediatrics
- Genetics, Genetic Predisposition, and Genetic Susceptibility
- Global Health
- Health Disparities
- Health Services
- Infectious Disease and HIV
- Imaging and Surgical Innovation
- Medical Education
- Muscle Physiology
- Muscular Dystrophy

- Neonatology
- · Neurology, Epilepsy, and Sleep Medicine
- Neuroscience and Neuroprotection
- Nursing Research and Quality

Outcomes

Nutrition, Obesity, and

Gastroenterology

- Pain and Pharmacology
- Palliative Care
- Psychology and Traumatic Brain Injury (TBI)
- Quality Improvement
- Safety and Risk Management
- Other Themes

POSTER PRESENTATIONS

Monday, April 16 - Wednesday, April 18 1:00pm - 3:00pm, First Floor, Main Atrium

Presenting authors will stand with their posters during their poster session and will be available for questions and discussions regarding their projects.

ACCREDITATION INFORMATION:



This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing

Medical Education through the joint providership of INOVA and Children's National Medical Center. The INOVA Office of Continuing Medical Education is accredited by the MSV to provide continuing medical education for physicians.

The Inova Office of Continuing Medical Education designates this live activity for a maximum of 7 AMA PRA Category 1 Credit(s) TM. Physicians should only claim credit commensurate with the extent of their participation in the activity. Physicians may claim up to 7 credits in Type 1 CME on the Virginia Board of Medicine Continued Competency and Assessment Form required for renewal of an active medical license in Virginia.



Children's National Medical Center is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

Nursing contact hours will be provided. Nurses should only claim credit commensurate with the extent of their participation in the activity.



Available via WebEx! Visit the Research and Education website for details!

Monday, April 16

10:00-11:00am

Auditorium, 2nd floor, Main Hospital



Brian Mustanski, PhD, Professor of Medical Social Sciences, Northwestern University, Feinberg School of Medicine



LEARNING OBJECTIVES | Attendees of this session will be able to:

- 1. Identify health disparities experienced by sexual and gender minorities,
- 2. Describe how sexual and gender minorities have been included in federal initiatives to address health disparities.
- 3. Apply a multilevel perspective to drivers and solutions for health disparities.

WebEx

12:00-1:00pm Auditorium, 2nd floor, KEYNOTE LECTURE: "Emerging as an Equity-Minded Academic Health Center Through Inclusion Excellence: The Implications for Research and Education"

David A. Acosta, MD, Chief Diversity and Inclusion Officer, Association of American Medical Colleges (AAMC)



Main Hospital

LEARNING OBJECTIVES | Attendees of this session will be able to:

- 1. Describe the institutional landscape that historically underrepresented groups face in our academic health centers (AHC).
- 2. Define what an equity-minded AHC is and how to achieve this through inclusion excellence
- 3. Explore a deeper understanding of what inclusion is, its demonstrated benefits, and its intimate connection to diversity and excellence



1:00-3:00pm

Main Atrium, 1st floor

POSTER PRESENTATIONS

Presenting authors will stand with their posters during their poster session and will be available for questions and discussions regarding their projects.

Poster themes that will be presented:

- Allergy and Immunology
- Asthma and Respiratory
- Critical Care
- Developmental and Intellectual Disabilities
- Endocrinology and Metabolic Disorders
- Genetics, Genetic Predisposition and Genetic Susceptibility
- Muscle Physiology
- Muscular Dystrophy

- Neonatology
- Nephrology
- Neurology, Epilepsy and Sleep Medicine
- Neuroscience and Neuroprotection
- Nutrition, Obesity and Gastroenterology
- Otolaryngology
- Pathology
- Pain and Perioperative Medicine
- Traumatic Brain Injury (TBI)

Tuesday, April 17

10:00-11:00am

Auditorium, 2nd floor, Main Hospital



ShaAvhrée Buckman-Garner, MD, PhD, FAAP, Director, Office of Translational Sciences, Food and Drug Administration



WebEx





LEARNING OBJECTIVES | Attendees of this session will be able to:

- 1. Describe the tenets of 21st Century Cures legislation that will influence novel drug development efforts.
- 2. Describe examples of key areas of focus for regulatory science initiatives at the Center for Drug Evaluation and Research.
- 3. Catalyze opportunities for engagement, partnership, and future directions for drug development.

11:00am-12:00pm

Vision Center, Bear Institute, 2nd floor, Main Hospital

Community and Global Health Mix and Mingle

All are welcome to join the Child Health Advocacy Institute (CHAI) and Global Health Initiative (GHI) to learn about exciting programs in an expo format. Refreshments and interactive activities will be provided. Drop in anytime!

12:00-1:00pm

Auditorium, 2nd floor, Main Hospital

KEYNOTE LECTURE: "The Global Burden of Cardiovascular Disease"

Gregory Roth MD, MPH, FACC, FAHA, Assistant Professor of Medicine-Cardiology, Adjunct Assistant Professor of Global Health, Division of Cardiology and Institute for Health Metrics and Evaluation, University of Washington

LEARNING OBJECTIVES | Attendees of this session will be able to:



WebEx



- 1. Understand the data available for measuring the burden of cardiovascular diseases in multiple countries, including rheumatic heart disease.
- 2. Describe the major drivers of rheumatic heart disease and its trends over time.
- 3. Review future challenges in surveillance of cardiovascular health in low and middle-income countries.

Poster Presentations

Presenting authors will stand next to their posters and will be available for questions and discussions regarding their projects.

Poster themes that will be presented:

- Cancer, Immunology, Hematology, and Bone Marrow Transplantation (BMT)
- Cardiology and Cardiovascular Surgery
- Fetal Medicine
- Global Health
- Imaging
- · Infectious Disease and HIV
- Pharmacology

- Psychology
- Surgical Innovation
- Urology

Wednesday, April 18

8:00-9:00am

Auditorium, 2nd floor, Main Hospital







Auditorium, 2nd floor, Main Hospital





1:00-3:00pm

Main Atrium, 1st floor





Larrie Greenberg Lecture: "Beyond Flexner: Social Mission in Medical Education"

Fitzhugh Mullan, MD, Professor of Health Policy Management and of Pediatrics, Co-Director of the George Washington University Health Workforce Institute

LEARNING OBJECTIVES | Attendees of this session will be able to:

- 1. Define the social mission of health professions education.
- 2. Place social mission in the context of medical education reform in the US.
- 3. Articulate a position on the proper role of social mission in health professions education.

Jill Joseph Lecture: "Achieving Health Equity: Tools for a National Campaign Against Racism"

Camara Jones, MD, MPH, PhD, Senior Fellow, Satcher Health Leadership Institute and Cardiovascular Research Institute, Morehouse School of Medicine, Past President, American Public Health Association

LEARNING OBJECTIVES | Attendees of this session will be able to:

- 1. Illustrate the relationship between health services, addressing the social determinants of health, and addressing the social determinants of equity using a Cliff Analogy.
- 2. Define racism as a system and identify three impacts of that system.
- 3. Describe three levels of racism and illustrate those levels using the Gardener's Tale allegory.

Poster Presentations

Presenting authors will stand next to their posters and will be available for questions and discussions regarding their projects.

Poster themes that will be presented:

- Adolescent Medicine
- Case Management
- Community Research
- Diabetes
- Emergency Medicine and Trauma
- General Pediatrics

- Health Disparities
- Health Services
- Medical Education
- Nursing Research and Quality Outcomes
- Palliative Care
- Quality Improvement
- Safety and Risk Management
- Sports Medicine and Orthopedics
- Treatment Compliance and Adherence

Thursday, April 19

12:00-1:00pm

Auditorium, 2nd floor, Main Hospital

KEYNOTE LECTURE: "State of the Science of Children's Health Disparities"

Eliseo J. Pérez-Stable, MD, Director of the National Institute on Minority Health and Health Disparities (NIMHD) at the National Institutes of Health (NIH)

LEARNING OBJECTIVES | Attendees of this session will be able to:

- 1. Describe the meaning and differences between minority health research and health disparities research.
- 2. Identify the leading causes of preventable morbidity and mortality by race/ethnicity and socioeconomic status among US children.
- 3. Interpret the role of individual behavioral and biological factors interacting with social determinants, the community and structural environment and the health care system to lead to health disparities.







2:00-3:00pm

Auditorium, 2nd floor, Main Hospital **Awards Ceremony:** Winners of the poster sessions, the President's Award for Innovation in Research, the Children's National Mentorship Awards, and the Elda Arce Scholar Award will be presented.

3:00-4:00pm

Research Atrium, 5th floor, Main Hospital

Research and Education Week Reception

All are invited to celebrate! Light refreshments and snacks will be served.

Below events are sponsored by the Department of Nursing Science, Professional Practice, and Quality

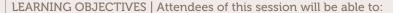
4:00-5:00pm

Vision Center, Bear Institute,

2nd floor, Main Hospital

KEYNOTE LECTURE: "Nurse Led Organizational Change from the Bedside: Interdisciplinary at its Core"

Karen Cox, PhD, RN, FACHE, FAAN, Executive Vice President and Chief Operating Officer, V. Fred Burry, MD, and Sandra Hobart Burry Chair in Nursing Advocacy and Leadership, Children's Mercy Kansas City







- 1. Describe how utilization of change-based projects can dramatically improve outcomes and reduce expenses.
- 2. Identify how a 16 month hospital-based nurse leadership and innovation training program empowers clinical nurses to lead change as part of an interdisciplinary team.
- 3. Recognize the key learning components of the Clinical Scene Investigation (CSI) model.

5:00-6:00pm

Vision Center, Bear Institute,

2nd floor, Main Hospital

Reception with Dr. Karen Cox

Friday, April 20

*Sponsored by the Depa	rtment of Nursing Science, Professional Practice, and Quality
7:30-8:45am Main Atrium, 1 st floor	Registration, Networking, Passport to Events and Poster Presentations* Share your reactions with a "roving reporter" hosted by the Shared Nursing Leadership Quality and Research Council. Learn about new and developing ideas and join the debate about the effectiveness of different discovery approaches.
8:45-9:45am Vision Center, Bear Institute, 2 nd floor, Main Hospital	Panel Presentation: "Cardiac Arrest Reduction in the CICU at Children's National"* Presenters: Ashleigh Harlow, BSN, RN, CCRN-K, Monique Powell, BSN, RN, Darren Klugman, MD, John Wes Diddle, MD, Evan Hochberg, MBA, RN, CPN, Justine Fortkiewicz, MSN, RN, CCRN-K, CPN, RN-BC, Amber Merritt, MSN, RN, CCRN, RN-BC, Kara Klem, MSN, RN, CCRN, Christine Riley, MSN, APRN, CPNP-AC, Catherine Ostlund, BSN, RN
*** WebEx	LEARNING OBJECTIVES Attendees of this session will be able to: 1. Identify the process for performance improvement around cardiac arrest. 2. Recognize a working key driver diagram for cardiac arrest reduction in the CICU 3. Describe the current state of the CICU's arrest rate and prevention techniques
9:30-10:30am Auditorium, 2 nd Floor Main Hospital	SPECIAL LECTURE: "Healing From Within" A conversation with Global Peace Ambassador and Spiritual Master Sri Sri Ravi Shankar WebEx
10:00-11:15am Vision Center, Bear Institute, 2 nd floor, Main Hospital WebEx	"Pursuing Excellence at Children's National: Transforming the Interprofessional Clinical Learning Environment"* Presenters: Heather Walsh, MSN, RN, PCNS-BC, CHSE, CPN, Laura Nicholson, MSN, RN, CHSE, CPN, Rachel Sarnacki, Dennis Ren MD, Mary Patterson MD MEd, Pavan Zaveri, MD, MEd, CHSE, Mary Ottolini, MD, MPH, MEd, James Chamberlain, MD LEARNING OBJECTIVES Attendees of this session will be able to: 1. Discuss elements of teamwork and communication from baseline code response data 2. Describe strategies used at Children's National to transform the interprofessional clinical learning environment 3. Formulate an individual plan to engage in transforming the interprofessional clinical learning environment
12:00-1:00pm Auditorium, 2nd floor, Main Hospital	Special Research and Education Week Professorial Rounds* Moderated by Stephen Teach, MD, MPH, Professor and Chair, Department of Pediatrics Associate Dean for Pediatric Academic Affairs, George Washington University School of Medicine and Health Sciences, Children's National Health System WebEx
1:15-2:30pm Main Atrium, 1 st floor	Rapid Fire Presentations* Sponsored by Chief Nursing Officer, Linda Talley, MSN, RN, NE-BC and the Shared Nursing Leadership Collaborative Forum Come see your colleagues take the stage and share in ten minutes or less the highlights of their projects! The Popcorn Café will be open for participants from 1:00-2:30pm.
2:45-4:00pm Vision Center, Bear Institute, 2 nd floor, Main Hospital	"Setting the Stage for Nursing Research — A Conversation among Nursing Leaders"* Moderated by Katherine Kelly, PhD, APRN and Linda Talley, MSN, RN, NE-BC
4:00-4:15pm Vision Center, Bear Institute, 2 nd floor, Main Hospital	Closing Remarks* Pamela Hinds, PhD, RN, FAAN



Keynote and Special Lecturers

Keynote Lecturers



David A. Acosta, MD

Chief Diversity and Inclusion Officer, Association of American Medical Colleges (AAMC)

As chief diversity and inclusion officer, Dr. Acosta provides strategic vision and leadership for the AAMC's diversity and inclusion activities across the medical education community, and leads the association's Diversity Policy and Programs unit. A physician of family medicine, Dr. Acosta joined the AAMC from the University of California

(UC), Davis School of Medicine where he served as senior associate dean for equity, diversity, and inclusion and associate vice chancellor for diversity and inclusion and chief diversity officer for UC Davis Health System. He previously served as the inaugural chief diversity officer at the University of Washington (UW) School of Medicine, where he established a rural health fellowship program for Tacoma Family Medicine, a residency program affiliated with the UW Department of Family Medicine.Dr. Acosta received his bachelor's degree in biology from Loyola University and earned his medical degree from the University of California, Irvine, School of Medicine. He completed his residency training at Community Hospital of Sonoma County in Santa Rosa, Calif., and a faculty development fellowship at the UW Department of Family Medicine.



Dr. Buckman-Garner is the Director of the Office of Translational Sciences (OTS) at the U.S. Food and Drug Administration. OTS is a super office comprised of the Offices of Biostatistics, Clinical Pharmacology, Computational Science, and Study Integrity and Surveillance. OTS provides oversight for research involving human subjects,

regulatory science research, cross-cutting initiatives and external collaborations. Dr. Buckman-Gamer previously served as OTS Deputy Director and medical team leader in the Division of Pediatric Drug Development. She received her MD and PhD from Washington University School of Medicine and completed Pediatric specialty training at Baylor College of Medicine.

Karen Cox, PhD, RN, FACHE, FAAN

Executive Vice President and Chief Operating Officer, V. Fred Burry, MD, and Sandra Hobart Burry Chair in Nursing Advocacy and Leadership, Children's Mercy Hospital Kansas City

Dr. Cox serves as Executive Vice President and Chief Operating Officer of Children's Mercy – Kansas City. Dr. Cox led the organization to receive Magnet designation by ANCC, becoming the first hospital in Missouri and the region in 2003. Dr. Cox also serves as Assistant Dean for Clinical Partnerships at the University of Missouri–Kansas City (UMKC). She is President of the American Academy of Nursing (2017-2019). Previously, she was elected to the American Hospital Children's Hospital Association, Section on Maternal and Child Health Governing Council, and appointed to the Children's Hospital Association, Child Health Committee.



Senior Fellow, Satcher Health Leadership Institute and Cardiovascular Research Institute, Morehouse School of Medicine, Past President, American Public Health Association

Dr. Jones is a family physician and epidemiologist whose work focuses on naming, measuring, and addressing the impacts of racism on the health and well-being of the nation. She seeks to broaden the national health debate to include not only universal access to high quality health care, but also attention to the social determinants of health (including poverty) and the social determinants of equity (including racism). She earned her BA (Molecular Biology) from Wellesley College, her MD from the Stanford University School of Medicine, and both her MPH and PhD (Epidemiology) from the Johns Hopkins School of Hygiene and Public Health. She completed residency training in both General Preventive Medicine and Family Practice.



Fitzhugh Mullan, MDProfessor of Health Policy Management and of Pediatrics, Co-Director of the George Washington University
Health Workforce Institute

Dr. Mullan's research and policy work focus on US and international health workforce issues including the Beyond Flexner Study and the Leadership for Health Equity Fellowship program. He has served as a physician in the National Health Service Corps and, later, as the NHSC's director. His books include White Coat, Clenched Fist: The Political Education of an American Physician and Big Doctoring: Profiles in Primary Care. He is the Founding Board Chair of Seed Global Health and a member of the National Academy of Medicine of the National Academy of Sciences.



Brian Mustanski, PhDProfessor of Medical Social Sciences, Northwestern University, Feinberg School of Medicine

Dr. Mustanski tenured Professor of Medical Social Sciences at Northwestern University, Director of the Institute for Sexual and Gender Minority Health and Wellbeing, and Co-Director of the Third Coast Center for AIDS Research (CFAR). His research focuses on the health and development of LGBTQ youth and the application

of new media and technology to sexual health promotion and HIV prevention. He has been a Principal Investigator of over \$38 million in federal and foundation grants and has published over 180 journal articles. In 2017, NBC News selected him from 1,600 nominees as one of 30 changemakers and innovators making a positive difference in the LGBTQ community.



Eliseo J. Pérez-Stable, MD
Director of the National Institute on Minority Health and Health Disparities (NIMHD) at the National Institutes of Health (NIH)

Dr. Pérez-Stable is Director of the National Institutes of Health's National Institute on Minority Health and Health Disparities, which seeks to advance the science of minority health and health disparities research through research, training, research capacity development, public education, and information dissemination. His research interests include improving the health of racial and ethnic minorities and underserved populations, advancing patient-centered care, improving cross-cultural communication skills among clinicians, and promoting diversity in the biomedical research workforce. For more than 30 years, he led research on Latino smoking cessation and tobacco control policy in the United States and Latin America, addressing clinical and prevention issues in cancer screening, and mentoring over 70 minority investigators.

Special Lecturer



Sri Sri Ravi Shankar is a humanitarian, spiritual leader and peacemaker whose work has touched the lives of more than 370 million people the world across through dialogues for conflict resolution, positive approaches to self-awareness and well-being, and by his selfless service. Sri Sri has created trauma-relief and meditation programs for at-risk youth, war veterans, prisoners and disaster survivors. Scientific research on his programs has shown that they significantly decrease anxiety, stress and depression while making people feel happier and more optimistic. Sri

Sri is the founder of the Art of Living Foundation and the International Association for Human Values.