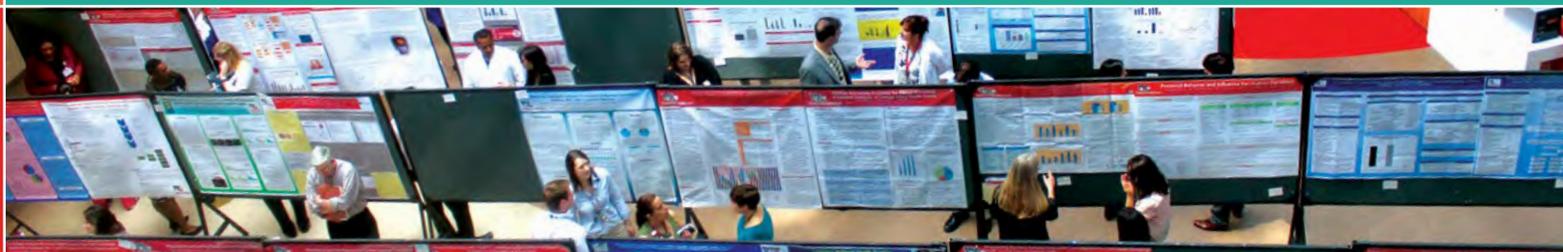


# 7<sup>TH</sup> ANNUAL RESEARCH & EDUCATION WEEK

APRIL 24 – 28, 2017

## COLLABORATION LEADS TO INNOVATION



# 7<sup>TH</sup> ANNUAL RESEARCH & EDUCATION WEEK 2017

APRIL 24 - 28

COLLABORATION  
LEADS TO INNOVATION



## EXECUTIVE SPONSORS

**Mendel Tuchman, MD**, Chief Research Officer, Scientific Director, Children's Research Institute, Professor of Pediatrics, Biochemistry, Molecular Biology and Integrative System Biology, George Washington University School of Medicine and Health Sciences

**Mary Ottolini, MD, MPH, MEd**, Vice Chair, Medical Education and Designated Institutional Official Chair, Graduate Medical Education Committee

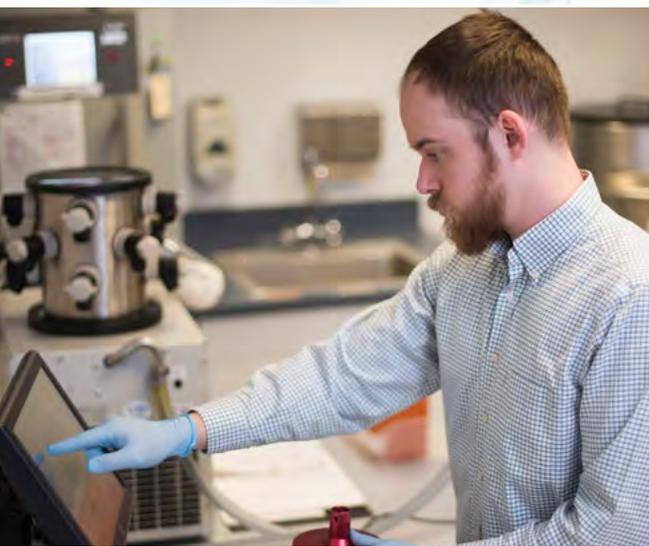
**Linda Talley, MS, RN, NE-BC**, Vice President and Chief Nursing Officer

## A special thank you

to Conference Services, EVS, PR & Marketing, Security, and the Research and Education Week judges and volunteers! Thank you all for the support, time, talent, and expertise that you have given to make this event a success.

## PLANNING COMMITTEE

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# Letter from the Executive Sponsors

## Dear Colleagues, Participants, and Guests:

Welcome to the 2017 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 science and providing the highest quality care for children.

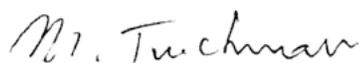
On behalf of the Children's National Leadership, we thank you for your participation and attendance of this extraordinary event. This year's theme is "Collaboration Leads to Innovation" focusing on the concept of team science to promote innovation and to improving outcomes in an accelerated global research environment. The most effective diverse cross-functional teams today are transcending geographical barriers and professional disciplines. The work presented throughout the week will showcase the importance of collaboration in innovation and entrepreneurship.

We are excited to display over 350 projects by staff, nurses, trainees, and physicians which illustrate notable advances in the development of new therapies, diagnostics, and medical devices.

This year, we are celebrating the Jubilee of the National Institutes of Health (NIH) Rose F. Kennedy Intellectual and Developmental Disabilities Research Center (IDDRC) which has long been at the forefront of brain development research. We will welcome Dr. Mario R. Capecchi, the 2007 Nobel Prize Winner in Physiology or Medicine, to give a keynote lecture at the DC-IDDRC Symposium in recognition of this special anniversary.

We are also honored to welcome Dr. Christopher P. Austin, Dr. Patricia F. Brennan, Dr. Anthony S. Fauci, Dr. Mark L. Graber, Dr. Boris D. Lushniak, and Dr. Eric Vilain, as keynote lecturers.

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



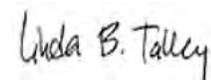
Mendel Tuchman, MD

*Chief Research Officer, Scientific Director, Children's Research Institute; Professor of Pediatrics, Biochemistry, Molecular Biology & Integrative System Biology, George Washington University School of Medicine and Health Sciences*



Mary C. Ottolini, MD, MPH

*Vice Chair, Medical Education and Designated Institutional Official Chair, Graduate Medical Education Committee*



Linda Talley, MS, RN, NE-BC

*Vice President & Chief Nursing Officer*



# Schedule of Events

## POSTER SESSIONS

**Monday, April 24 – Wednesday, April 26** | 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 24 – Wednesday, April 26** 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)™. 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!

<p>10:00am</p> <p>2nd floor (Main), Auditorium</p> <p> </p> <p></p>	<p><b>SPECIAL LECTURE "Differences/Disorders of Sex Development (DSD): A World of Uncertainty"</b></p> <p>Eric Vilain, MD, PhD, <i>Incoming Director of the Center for Genetic Medicine Research, Children's National Health System, Chair of the Department of Integrative Systems Biology, George Washington University, Professor of Human Genetics and Pediatrics, Chief, Medical Genetics Co-director, Clinical Genomics Center UCLA School of Medicine.</i></p> <p><b>LEARNING OBJECTIVES</b></p> <p>Attendees of this session will be able to:</p> <ol style="list-style-type: none"> <li>1. To understand the concepts of sex determination and sex differentiation.</li> <li>2. To learn the biological mechanisms of sexual development.</li> <li>3. To understand diagnostic strategies of disorders of sex development in humans.</li> </ol>
<p>12:00pm</p> <p>2nd floor (Main), Auditorium</p> <p> </p> <p></p>	<p><b>KEYNOTE LECTURE "Zika: One Year Later"</b></p> <p>Anthony S. Fauci, MD, <i>Director, National Institute of Allergy and Infectious Diseases (NIAID), Chief, NIAID Laboratory of Immunoregulation, National Institutes of Health</i></p> <p><b>LEARNING OBJECTIVES</b></p> <p>Attendees of this session will be able to:</p> <ol style="list-style-type: none"> <li>1. Describe the manifestations of Zika virus disease.</li> <li>2. Outline the transmission and epidemiology of Zika infection in the Western hemisphere.</li> <li>3. Discuss counter measures against Zika virus in development.</li> </ol>
<p>1:00-3:00pm</p> <p>1st floor, Main Atrium</p>	<p><b>POSTER PRESENTATIONS</b></p> <p>Presenting authors will stand with their posters during their poster session and will be available for questions and discussions regarding their projects.</p> <p><b>Main Poster Themes:</b></p> <ul style="list-style-type: none"> <li>• Allergy and Immunology</li> <li>• Asthma and Respiratory</li> <li>• Biochemistry</li> <li>• Cancer, Immunology, Hematology, and Bone Marrow Transplantation (BMT)</li> <li>• General Pediatrics</li> <li>• Imaging and Surgical Innovation</li> <li>• Infectious Disease and HIV</li> <li>• Nutrition, Obesity, and Gastroenterology</li> </ul>
<p>4:00pm</p> <p>2nd floor (Main), Bear Institute Innovation Center</p> <p> </p> <p></p> <p></p>	<p><b>KEYNOTE LECTURE: "Anticipating the Third Century of the National Library of Medicine: The Role of Clinical Research in Driving Discovery from DATA"</b></p> <p>Patricia Flatley Brennan, RN, PhD, FAAN, <i>Director, National Library of Medicine, Interim Associate NIH Director for Data Science, National Institutes of Health, US Department of Health and Human Services</i></p> <p><b>LEARNING OBJECTIVES</b></p> <p>Attendees of this session will be able to:</p> <ol style="list-style-type: none"> <li>1. Identify strategies for nurses to align with other disciplines to build capacity that leverages the advantage of big data for patient care.</li> <li>2. Recognize the benefit of extending nursing knowledge and perspective in the future of health care.</li> <li>3. Describe how nurses innovate and bring an innovations perspective into practice.</li> </ol>
<p>5:00pm</p> <p>2nd floor (Main), Bear Institute Innovation Center</p>	<p><b>NURSING RECEPTION</b></p>

Tuesday, April 25

## Celebrating the 50th Anniversary of the INTELLECTUAL DEVELOPMENTAL DISABILITIES RESEARCH CENTERS (IDDDRCs)

The DC-IDDDRC presents the Symposium  
**"Understanding Autism Genes, Circuits and  
Behaviors for Precision Medicine Treatments"**

Organizers:



**Lauren Kenworthy, PhD**  
Professor of Pediatrics, Neurology,  
Psychiatry Director, Center for  
Autism Spectrum Disorders



**Joshua Corbin, PhD**  
Associate Professor/Principal Investigator  
Center for Neuroscience Research

9:00-11:30am, 2nd floor (Main), Auditorium

WebEx



### **"Understanding Early Brain Development in Autism: What Have We Learned and Where Are We Headed?"**

**Heather Cody Hazlett, PhD**  
Assistant Professor, Carolina Institute for Developmental Disabilities  
Department of Psychiatry, University of North Carolina School of Medicine



### **"Functional Connectivity Networks Subserving Executive Function in Autism Spectrum Disorders"**

**Chandan Vaidya, PhD**  
Professor and Chair, Department of Psychology Georgetown University



### **"Exploiting Genetics to Identify Environmental Risks for Autism"**

**Mark J. Zylka, PhD**  
Professor and Director  
Jeffrey Houtp Distinguished Investigator  
University of North Carolina Neuroscience Center



### **"Towards Precision Treatments for Autism Spectrum Disorders"**

**Kevin Archer Pelphrey, PhD**  
Carbonell Family Professor and Director  
Autism & Neurodevelopmental Disorders Institute  
George Washington University and Children's National Health System

## MISSION OF DC-IDDDRC

Funded since 2001, the mission of the District of Columbia Intellectual and Developmental Disabilities Research Center (DC-IDDDRC) is to expand our understanding of the causes underlying intellectual and developmental disabilities (IDD), develop innovative therapies, and prevent or attenuate the full effects of these disorders, so that each child can achieve her/his full physical and intellectual potential.

## ABOUT DC-IDDDRC

The DC-IDDDRC includes four collaborating DC academic medical centers (Children's National Health System (lead), George Washington University, Howard University, and Georgetown University) to draw intellectual and core resources from neighboring institutions to help meet its ambitious research mission and create a truly integrated DC-IDDDRC. The DC-IDDDRC is dedicated to improving the lives of individuals with intellectual and developmental disabilities (IDDs) and their families by creating a strong translational research environment optimized for studying and defining the basic causes and mechanisms underlying IDDDs, and designing new effective treatments and prevention strategies. Our DC-IDDDRC is strongly focused on building and supporting collaborations among investigators from the four institutions who are studying IDDDs by using different experimental approaches, and by partnering with the community to ensure that scientific discoveries will benefit affected individuals. Our center is built of over 15 years of collaborative and dedicated IDD research among the participating institutions to create an integrated academic center for all investigators engaged in IDD research in the District of Columbia.



12:00-1:00pm, 2nd floor (Main), Auditorium

### **KEYNOTE LECTURE "A Causal Role for Defective Microglia in OCD-Spectrum Disorders"**

**Mario R. Capecchi, PhD**, Distinguished Professor of Biology and Human Genetics, Department of Human Genetics, University of Utah School of Medicine, Nobel Prize in Physiology or Medicine 2007

INOVA™ CME WebEx

## LEARNING OBJECTIVES

Attendees of this session will be able to:

1. Discuss how the disruption of microglia function appears causative for specific neuropsychiatric disorders.
2. Demonstrate that microglial ontogeny is more complex than previously reported, which in turn affects their function in the brain.
3. Describe modeling of an OCD-spectrum disorder in the mouse and utilize genetics and genomics to unravel the role of microglia in this pathology.

# Tuesday, April 25

1:00-3:00pm

1st floor, Main Atrium

## POSTER PRESENTATIONS

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

### Main Poster Themes:

- Adolescent Medicine
- Cardiology and Cardiovascular Surgery
- Developmental and Intellectual Disabilities
- Diabetes
- Endocrinology and Metabolic Disorders
- Pain and Pharmacology
- Genetics, Genetic Predisposition, and Genetic Susceptibility
- Muscle Physiology
- Muscular Dystrophy
- Neurology, Epilepsy, and Sleep Medicine
- Neuroscience and Neuroprotection
- Psychology and Traumatic Brain Injury (TBI)

# Wednesday, April 26

## MEDICAL EDUCATION AND GLOBAL HEALTH

8:00am

2nd floor (Main), Auditorium



### GRAND ROUNDS: LARRIE GREENBERG LECTURE

#### "Diagnostic Error – The New Imperative"

Mark L. Graber, MD, FACP, *President, Society to Improve Diagnosis in Medicine, Senior Fellow, RTI International, Professor Emeritus, Stony Brook University, NY*

#### LEARNING OBJECTIVES

Attendees of this session will be able to:

1. Relate the estimated prevalence of diagnostic error.
2. Discuss the cognitive- and system-related root causes.
3. Adopt 3 changes in their practice to reduce the risk of diagnostic error.

9:15am-10:30am

2nd floor (Main), Bear Institute Innovation Center



### ROUNDTABLE DISCUSSION "Keys to Making the Right Diagnosis: A practical approach to avoid diagnostic mistakes"

Led by Mark L. Graber, MD, FACP, *President, Society to Improve Diagnosis in Medicine, Senior Fellow, RTI International, Professor Emeritus, Stony Brook University, NY*

12:00pm

2nd floor (Main), Auditorium



### KEYNOTE LECTURE "The Immunizations Battle – Perspectives from a Public Health Guy"

Boris D. Lushniak, MD, MPH, *Dean, School of Public Health, University of Maryland, Former US Surgeon General of the United States*

#### LEARNING OBJECTIVES

Attendees of this session will be able to:

1. Describe the roles that health care professionals play in the public health model.
2. List the core public health functions as they apply to immunizations.
3. Identify long-lasting protective interventions that affect health.

# Wednesday, April 26

1:00-3:00pm

1st floor, Main Atrium

## POSTER PRESENTATIONS

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

### Main Poster Themes:

- Case Management
- Community Research
- Critical Care
- Dentistry
- Emergency Medicine and Trauma
- Global Health
- Medical Education
- Neonatology
- Nursing Research and Quality Outcomes
- Palliative Care
- Quality Improvement
- Safety and Risk Management

# Thursday, April 27

Award-winning and highest scored posters on display in the Main Atrium

10:00am

2nd floor (Main),  
Auditorium



## **"How Can the CTSI-CN Support Your Project: Basic Science to Public Health Research?"**

Lisa M. Guay-Woodford, MD, *Hudson Professor of Pediatrics, Associate VP for Clinical and Translational Research, The George Washington University, Director, Center for Translational Science, Director, CTSI-CN, Children's National*

### LEARNING OBJECTIVES

Attendees of this session will be able to:

1. Recognize many ways the CTSI-CN can support an investigator's research project through its resources and services (funding opportunities, consultation services, etc.).
2. Describe the scope of the CTSI-CN via the various cores/modules of the CTSI-CN (community engagement; orphan product accelerator; regulatory knowledge and support, etc.).
3. Identify the new requirements of NIH/NCATS for the CTSI-CN to provide direct support of clinical research.

12:00pm

2nd floor (Main),  
Auditorium



## **KEYNOTE LECTURE "Catalyzing Translational Innovation"**

Christopher P. Austin, MD, *Director, National Center for Advancing Translational Sciences, National Institutes of Health*

### LEARNING OBJECTIVES

Attendees of this session will be able to:

1. Differentiate between the process of "Translation" and the field of "Translational Sciences".
2. Define the step taken by NCATS that will deliver more treatments to more patients.
3. Explain how the step taken by NCATS led to more efficient drug delivery by
  - a. Developing new approaches, technologies, resources, and models.
  - b. Demonstrating their usefulness.
  - c. Disseminating the data, analysis, and methodologies to stakeholders and communities.

2:00pm

2nd floor (Main),  
Auditorium

## **Awards Ceremony**

3:00pm

5th floor (Main),  
Research Atrium

## **Research and Education Week Reception**

## NURSING RESEARCH AND QUALITY OUTCOMES

<p>7:30-8:45am</p> <p>1st floor, Main Atrium</p> 	<p><b>Registration, Networking, Coffee, Passport to Events and Poster Presentations – Roving Reporters (During Poster Presentations)</b></p> <p>Share your reactions, impressions, and messages with a “roving reporter” from Shared Nursing Leadership, Quality and Research Council. Learn about new and developing ideas and join the debate about the effectiveness of different discovery approaches.</p>
<p>8:45-9:45am</p> <p>2nd floor (Main), Auditorium</p>  	<p><b>Panel Presentation: “Anatomy and Physiology of Patient Satisfaction”</b></p> <p>Learn about methods used to collect the three voices of satisfaction: the child voice, the family voice, and the nurse’s voice.</p> <p>Tina Kunze Humbel, DNP, MHA, RN-BC, CPN, CCRN, Manager, Nursing Quality Outcomes, Nursing Research and Quality Outcomes, Children’s National Health System</p> <p>Renee’ Roberts-Turner, DHA, MSN, RN, NE-BC, CPHQ, Director of Nursing Quality and Professional Practice, Magnet® Program Director, Division of Nursing, Children’s National Health System, Assistant Professor of Pediatrics, The George Washington University School of Medicine and Health Sciences</p> <p><b>LEARNING OBJECTIVES</b></p> <p>Attendees of this session will be able to:</p> <ol style="list-style-type: none"> <li>1. Identify the methods used to collect the three voices of satisfaction; the child voice, the family voice, and the nurse’s voice.</li> <li>2. Demonstrate how this information is used to make improvements, how and where it is currently reported.</li> <li>3. Describe current outcomes and future plans to address the voices of satisfaction in our health care system.</li> </ol>
<p>10:00-11:00am</p> <p>1st floor, Main Atrium</p>  	<p><b>Rapid-Fire Presentations - Sponsored by the Children’s National Shared Nursing Leadership Collaborative Forum and Nursing Quality &amp; Research Council</b></p> <p>Come see your colleagues share in ten minutes or less the highlights of their projects and participate with them in a lively on stage “Rapid-Fire” presentation and discussion. Research, Quality, Research Translation, CONE (Culture of Nursing Care Excellence) Team, Safety Champions, and PNCE (Pediatric Nursing Care Excellence) Fellows</p> <p>Invited Presentations:</p> <p><b>“Reduction of Electrode Induced Pressure Injuries by Going Turban-less”</b>  <i>Representing Nursing Quality &amp; Research Council</i>            Laura C Welch, BSN, RN, WOC-RN, WCC, CPN            Kara A Johnson BSN, RN, WOC-RN, WCC</p> <p><b>“Orthopedic Surgery Turnover Time”</b>  <i>Representing Perioperative Services</i>            Ebenezer Nkong, BSN, RN, MS MBA CNOR, Clinical Manager II, Operating Room, Children’s National Health System</p> <p><b>“Nurse to Nurse Bedside Report in the EMTC</b>  <i>Representing the Pathways to Nursing Excellence Fellowship</i>            Trevor Kapralos, RN</p> <p><b>“Nurse Napping on the Night Shift”</b>  <i>Representing RN’s Nightshift Napping Translational Research Team</i>            Brett Bagshaw, MSN, RN, CPN, Crisis Nurse, Central Staffing Office</p>

## The Surgical Care Unit CONE Team

Representing Culture of Nursing Excellence, "CONE" Teams

Erika Hilborn, BSN, RN, CPN

Surgical Care Unit- SNL Co-Chair

Laura "Liz" Thorpe, MS, RN, CPN

Surgical Care Unit SNL Co-Chair

## The IRU RN Safety Champion's Project

Representing the Safety Champions

Erika Rodakowski BSN, RN, CPN

Kathryn Turner BSN RN, CPN

Jennifer O'Boyle BSN, RN, CPN

### LEARNING OBJECTIVES

Attendees of this session will be able to:

1. Describe known challenges and RN lead solutions to improve patient care, health care delivery and patient care safety.
2. Identify RN's and Children's National teams recognized for implementing innovative evidence based practices.

11:15-11:45am

2nd floor (Main), Bear  
Institute Innovation Center



## "Finding My Match: Taking Your Idea to a Funder"

Do you have an idea you would like to see developed and funded? How do you find a match, who can help you bring your idea alive?

Tracy Church

Senior Director of Development, Children's Hospital Foundation

Justine Mize Fortkiewicz, MSN, RN, CCRN-K, CPN

Professional Practice Specialist, Cardiac Intensive Care Unit, Co-Chair Collaborative Forum

### LEARNING OBJECTIVES

Attendees of this session will be able to:

1. Create a message that aligns with a potential donor and source of funding.
2. Demonstrate how an idea can be turned into a first step towards the development of a proposal.

11:15am-12:15pm

1st floor, Main Atrium

## Passport to Poster Presentations

Pick up your passport to events and attend poster presentations.

11:15am-12:15pm

6th floor (Main), M7607



## "Friend, Follow, and Connect: Research Tech and Tools"

Demonstrations: Twitter, LinkedIn, Facebook for Research, Data Mining with i2b2, Protocol Builder, REDCap, TriNetX, PowerTrials, and Tools of the Future

Join us for an engaging hands-on demonstration of new and future tools used to make discoveries from the EHR. Learn how Twitter, LinkedIn, and Facebook are creating forums for communicating discoveries and connecting us to each other and our community.

### DEMONSTRATIONS FROM SUBJECT MATTER EXPERTS (SMES)

#### "What's New – Easy to Access to Library Resources and a Web Based Tool to Organize All Your References"

Susan Keller, MLS, MS-HIT

Health Science Librarian, Department of Nursing Research and Quality Outcomes, Research Librarian, Children's National Health System

<p>11:15am-12:15pm</p> <p>6th floor (Main), M7607</p>   	<p><b>“Data Mining with i2b2, Protocol Builder, REDCap, TriNetX, and PowerTrials”</b></p> <p>Jurran Wilson, CCRP, Clinical Research Navigator, Clinical and Translational Science Institute at Children’s National (CTSI-CN), Children’s National Health System</p> <p>Raymond M. Panas, PhD, MPH, Director, Clinical Studies Support Program, Center for Translational Science, Children’s Research Institute</p> <p><b>Protocol Builder</b></p> <p>Amanda Kasper, MPH, Director of Operations, Clinical and Translational Science Institute at Children’s National (CTSI-CN), Children’s National Health System</p> <p><b>REDCap</b></p> <p>Dan Zhang, Data Manager, Biostatistics, Epidemiology and Research Design Division, Children’s National Health System</p> <p><b>“Genetics and Genomics Tests – Need to Know Updates for RN’s, and APRN’s”</b></p> <p>Beth Harkness, BSN, RN, CPN, Clinical Coordinator, Cystic Fibrosis Programs and Cystic Fibrosis Research, Children’s National Health System</p> <p><b>“Using Your Voice as an Authors, Writer, and Community Connector”</b></p> <p>Amelia Roberts, BSN, RN, Department Rheumatology, Children’s National Health System</p> <p><b>“Learning with Tools in the Future – Coming Soon!”</b></p> <p>Jeff Sestokas, MEd, Director of eLearning, Assistant Professor of Pediatrics, Children’s National Health System, George Washington University School of Medicine Medical Education</p> <p>LEARNING OBJECTIVES</p> <p>Attendees of this session will be able to:</p> <ol style="list-style-type: none"> <li>1. Discover new technology tools and information resources used to conduct research that have clinical and research applications.</li> <li>2. Describe how social media can be used to connect, disseminate, and advocate for health.</li> </ol>
<p>12:30-1:00pm</p> <p>2nd floor (Main), Bear Institute Innovation Center</p>  	<p><b>Closing Remarks: “Collaborations vs. Team Science is There a Difference?”</b></p> <p>Mendel Tuchman, MD, Chief Research Officer, Children’s National Medical Center, Scientific Director, Children’s Research Institute</p> <p>LEARNING OBJECTIVES</p> <p>Attendees of this session should be able to:</p> <ol style="list-style-type: none"> <li>1. Compare the characteristics of Collaboration to Team Science.</li> <li>2. Describe how creative partnerships leverage knowledge that can accelerate discovery and innovations.</li> </ol>
<p>1:00-1:45pm</p> <p>2nd floor (Main), Bear Institute Innovation Center</p>	<p><b>Legacy Luncheon: “Creating the Future Today”   By Invitation Only</b></p> <p>Linda Talley, MS, BSN, RN, NE-BC, Vice President of Nursing and Chief Nursing Officer</p> <p>Tracy Church, Senior Director of Development, Children’s Hospital Foundation</p>



## Keynote and Special Lecturers



**Eric Vilain, MD, PhD**  
*Incoming Director of the Center for Genetic Medicine Research, Children's National Health System, Chair of the*

*Department of Integrative Systems Biology, George Washington University, Professor of Human Genetics and Pediatrics, Chief, Medical Genetics Co-director, Clinical Genomics Center UCLA School of Medicine*

Eric Vilain, MD, PhD, is professor of Human Genetics, Pediatrics in the David Geffen School of Medicine at UCLA, and the incoming director of the Center for Genetic Medicine Research at Children's National Medical Center and Chair of the Department of Integrative Systems Biology at George Washington University. His laboratory explores the impact of genetic changes on human development in health and disease, and in particular the genetics of sexual development. He has published extensively in the fields of genetics and endocrinology. He is a Fellow of the American College of Medical Genetics, an advisor to the International Olympic Committee, and a member of the Board of Scientific Counselors for the National Institute of Child Health and Human Development (NICHD).



**Anthony S. Fauci, MD**  
*Director, National Institute of Allergy and Infectious*

*Diseases (NIAID), Chief, NIAID Laboratory of Immunoregulation, National Institutes of Health*

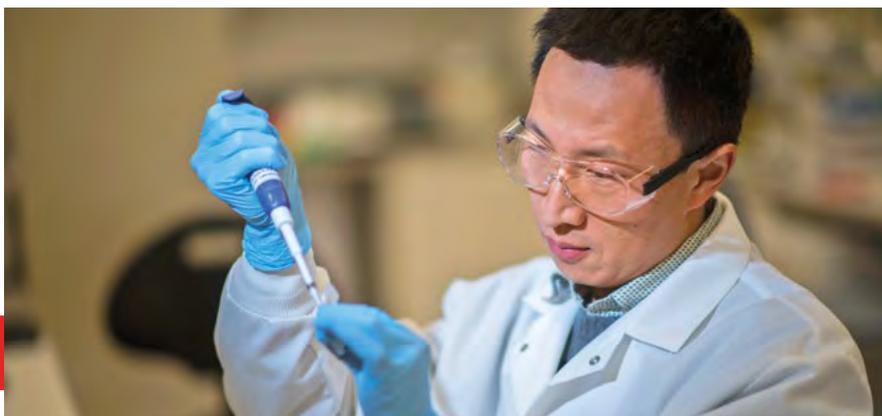
Anthony S. Fauci, MD, is director of the National Institute of Allergy and Infectious Diseases (NIAID) at the U.S. National Institutes of Health, where he oversees an extensive research portfolio focused on infectious and immune-mediated diseases. He serves as one of the key advisors to the White House and Department of Health and Human Services on global HIV/AIDS issues, and on initiatives to bolster medical and public health preparedness against emerging infectious disease threats. He is the winner of numerous prestigious awards including the Presidential Medal of Freedom, the National Medal of Science and the Lasker Award for Public Service.



**Patricia F. Brennan, RN, PhD, FAAN**  
*Director, National Library of Medicine, Interim Associate NIH Director for Data Science,*

*National Institutes of Health, US Department of Health and Human Services*

Patricia F. Brennan, RN, PhD, FAAN, came to NLM in August 2016 from the University of Wisconsin-Madison, where she was a professor at the School of Nursing and College of Engineering. She is a pioneer in the development of innovative information systems and services, such as ComputerLink, an electronic network designed to improve the lives of home care patients and increase their independence. She directed HeartCare, a web-based information service that helps home-dwelling cardiac patients recover faster, with fewer symptoms, and Project Health Design, an initiative designed to stimulate the next generation of personal health records. A past president of the American Medical Informatics Association, Dr. Brennan was elected to the Institute of Medicine in 2001. She is a fellow of the American Academy of Nursing, the American College of Medical Informatics, and the New York Academy of Medicine.





**Mario R. Capecchi, PhD**  
*Distinguished Professor of Biology and*

*Human Genetics, Department of Human Genetics, University of Utah School of Medicine, Nobel Prize in Physiology or Medicine 2007*

Mario R. Capecchi, PhD, was born in Verona, Italy, in 1937. He received his Bachelor of Science degree in chemistry and physics from Antioch College in 1961 and his Ph.D. in biophysics from Harvard University in 1967. After six years on the Harvard School of Medicine faculty he joined the University of Utah as a professor of biology in 1973. Dr. Capecchi is known for his work on the development of gene targeting in mouse embryo-derived stem cells creating mutations in any desired gene and giving freedom to manipulate the DNA sequence. In 2007, he won the Nobel Prize in physiology or medicine for this research, which he shared with Oliver Smithies and Martin Evans. His current research interests include the molecular genetic analysis of early mouse development and production of mouse models of human genetic diseases.



**Mark L. Graber, MD, FACP**  
*President, Society to Improve Diagnosis in*

*Medicine, Senior Fellow, RTI International, Professor Emeritus, Stony Brook University, NY*

Mark L. Graber, MD, FACP is a national leader in the field of patient safety and originated the internationally-recognized Patient Safety Awareness Week in 2002. He is also a pioneer in efforts to address diagnostic errors in medicine, originating the Diagnostic Error in Medicine conference series, founding the Society to Improve Diagnosis in Medicine, and launching a new journal, DIAGNOSIS, devoted to improving the quality and safety of diagnosis, and reducing diagnostic error. Dr. Graber is a Senior Fellow at RTI International, Professor Emeritus of Medicine at the State University of New York at Stony Brook, and President of the Society to Improve Diagnosis in Medicine. He is an internist and has worked in the VA health care system for 35 years. Dr. Graber graduated from Yale College and the Stanford University School of Medicine.



**Boris D. Lushniak, MD, MPH**  
*Dean, School of Public*

*Health, University of Maryland, Former US Surgeon General of the United States*

Boris Lushniak, MD, MPH (RADM, ret.), became dean of the University of Maryland School of Public Health in January 2017. He most recently served as chair of Preventive Medicine in the Uniformed Services University of the Health Sciences, after 27 years in the United States Public Health Service, including as Surgeon General (Acting, 2013-2014). He prides himself on being accessible to students and energizing people around the mission and values of public health. His goals as dean of the UMD School of Public Health include expanding student engagement in public health practice and influencing healthy public policy.



**Christopher P. Austin, MD**  
*Director, National Center for Advancing*

*Translational Sciences, National Institutes of Health*

Christopher Austin, MD, is director of the National Center for Advancing Translational Sciences (NCATS) at the National Institutes of Health (NIH). NCATS' mission is to enhance the development, testing and implementation of diagnostics and therapeutics across a wide range of human diseases and conditions. The Center collaborates with other government agencies, industry, academia and the nonprofit community. Before joining NIH in 2002, Austin directed research and drug development programs at Merck, with a focus on schizophrenia. He earned his M.D. from Harvard Medical School, and completed clinical training at Massachusetts General Hospital and a research fellowship in genetics at Harvard.