A special thank you to
Conferences Services, EVS, Public Relations & Marketing, Security, and the Research and Education Week judges and volunteers!
Letter from the Executive Sponsors

It is our great pleasure to welcome you to the 2019 Children's National Health System Research and Education Week Celebration, a vibrant exhibition of the scholarly achievements of our faculty, staff and trainees across an array of disciplines and the roles they play in advancing medical sciences, education, innovation, and providing the highest quality of care for children.

On behalf of the Children’s National Leadership, we thank you for your engagement and attendance during the broad spectrum of events during the week. This year’s theme is “Frontiers in Innovation”, focusing on science-based discoveries across an ample portfolio from our dynamic and diverse community committed to achieving breakthrough outcomes and improving health care for children.

We are excited to display over 350 projects which illustrate notable advances in the development of new therapies, methods, diagnostics and devices.

This event brings our community together and demonstrates the extensive impact of the work of Children’s researchers from a wide variety of fields and skills. Our poster presentations provide an excellent occasion to learn about cross-disciplinary projects in which team members with diverse training and expertise integrate their efforts and knowledge in a single research endeavor. In addition to boosting visibility of our researchers’ hard work, this week provides opportunities for collaboration and recognition of exceptional leadership and outcomes.

This year’s event will include keynote presentations by Dr. Adnan Hyder, Dr. Paule Joseph, Dr. Vanessa Kerry, Dr. James Wilson, Dr. Margaret Plack, Dr. Stephen Thomas, and Dr. Steven Rosenberg. We are honored that they will be joining us in this week’s celebration of innovative research.

Finally, we want to extend our sincere thanks to the event planning committee and all our partners who developed this year’s program.

We look forward to seeing you and your work throughout the week.
Schedule of Events

POSTER SESSIONS
Monday, April 1 – Wednesday, April 3 | 8:00am – 4:00pm, Costco Wholesale Atrium, 1st floor

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
- 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 Policy
- Health Services
- Imaging
- Infectious Disease and HIV
- Medical Education
- Muscle Physiology
- Muscular Dystrophy
- Neonatology
- Nephrology
- Neurology, Epilepsy and Sleep Medicine
- Neuroscience and Neuroprotection
- Nursing Research and Quality Outcomes
- Nutrition, Obesity and Gastroenterology
- Pain and Perioperative Medicine
- Palliative Care
- Pharmacology
- Psychology
- Quality Improvement
- Rheumatology
- Safety and Risk Management
- Surgical Innovation
- Traumatic Brain Injury (TBI)
- Urology

POSTER PRESENTATIONS
Monday, April 1 – Wednesday, April 3 | 1:00pm – 3:00pm, Costco Wholesale Atrium, 1st floor

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 13 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 13 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 on WebEx! Visit the Research and Education website for details!
# Schedule of Events

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event Description</th>
</tr>
</thead>
</table>
| 10:00-11:00am| Auditorium, 2nd floor, Main Hospital | **Keynote Lecture**: “Emerging and New Challenges to Child Health: A Global Perspective”  
Adnan A. Hyder, MD, MPH, PhD, Senior Associate Dean for Research, Professor of Global Health, George Washington University  
*Learning Objectives*: Attendees of this session will be able to:  
1. Describe key new challenges for child health.  
2. Analyze health system constraints for child health.  
3. Formulate potential pathways to solve global child health issues. |
| 11:00-11:45am| Research Atrium, 5th floor, Main Hospital | **Global Health Initiative (GHI) and Child Health Advocacy Institute (CHAI) Exposition**  
Stop by to enjoy coffee and healthy snacks, network with community and global health colleagues, and learn about current CHAI and GHI programs and how you can get involved. |
| 12:00-1:00pm | Auditorium, 2nd floor, Main Hospital | **Keynote Lecture**: “What Mary Poppins Knew: The Science Behind That ‘Spoonful of Sugar’”  
Paule V. Joseph, PhD, MS, FNP-BC, RN, CTN-B, Chief, Sensory Science and Metabolism Unit Biobehavioral Branch, Division of Intramural Research, National Institute of Nursing Research, National Institutes of Health  
*Learning Objectives*: Attendees of this session will be able to:  
1. Explain genetics associated with how children experience sweet and bitter taste and the implications for health.  
2. Describe chemosensory symptoms that are currently investigated by nurse scientists.  
3. Describe training opportunities at NINR and Sensory Science & Metabolism Unit (SenSMet). |
| 1:00-3:00pm  | Costco Wholesale 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  
- Biochemistry  
- Cancer, Immunology, Hematology and Bone Marrow Transplantation (BMT)  
- Diabetes  
- Endocrinology and Metabolic Disorders  
- Genetics, Genetic Predisposition and Genetic Susceptibility  
- Muscle Physiology  
- Muscular Dystrophy  
- Neonatology  
- Nephrology  
- Rheumatology  
- Urology |
10:00-11:00am  
**KEYNOTE LECTURE:** “A Long Term Horizon: Challenging the Modus Operandi of Global Health and Development”  
Vanessa Kerry, MD, MSc, CEO, Seed Global Health  

**LEARNING OBJECTIVES | Attendees of this session will be able to:**  
1. Interpret central challenges to training health professionals in resource limited countries.  
2. Describe the links between health and other aspects of society including economy, social cohesion, and national security.  
3. Describe a model for training local health professional capacity.

12:00-1:00pm  
**KEYNOTE LECTURE:** “Gene Therapy and Gene Editing for Orphan Diseases”  
James M. Wilson, MD, PhD, Rose H. Weiss Professor and Director, Orphan Disease Center, Professor of Medicine and Pediatrics, Director, Gene Therapy Program, Perelman School of Medicine, University of Pennsylvania  

**LEARNING OBJECTIVES | Attendees of this session will be able to:**  
1. Differentiate gene therapy from genome editing.  
2. Describe barrier to success in these fields.  
3. Interpret animal studies of gene therapy.

1:00-3:00pm  
**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:  
- Community Research  
- General Pediatrics  
- Global Health  
- Health Disparities  
- Health Policy  
- Health Services Disorders  
- Neurology, Epilepsy and Sleep Medicine  
- Neuroscience and Neuroprotection  
- Nursing Research and Quality Outcomes  
- Palliative Care  
- Pharmacology  
- Quality Improvement  
- Safety and Risk Management
<table>
<thead>
<tr>
<th>3:30-4:45pm</th>
<th>Return of the Rapid-Fire Presentations and Popcorn Cafe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Costco Wholesale</td>
<td>Come see your colleagues take the stage and share in ten minutes or less the highlights of their projects! Participate with them in a lively on stage “Rapid-Fire” presentation and discussion featuring Research, Quality, and Research Translation.</td>
</tr>
<tr>
<td>Atrium, 1st floor</td>
<td>“Burn Prevention Day: Building Relationships Between Hospital and Community in an Effort to Provide Burn Prevention Education” Julie Kelly, BSN, RN, CPN, Surgical Care Unit Shift Coordinator Laura (Liz) Thorpe, MS, RN, CPN, Surgical Care Unit Clinical Nurse Erika Hilborn, BSN, RN, CPN, Surgical Care Unit Clinical Nurse</td>
</tr>
<tr>
<td></td>
<td>“Disruptive Patient Taskforce” Theresa Wavra, MSN, RN, PCNS-BC, CPN Theresa Ryan Schultz, MBA, MSN, RN, NEA-BC</td>
</tr>
<tr>
<td></td>
<td>“Association Between Use of Aromatherapy and Incidence of Postoperative Nausea in Pediatric Patients” Marian McEvilly, RN, CPN, CCA, HTA, EEM-LCP</td>
</tr>
<tr>
<td></td>
<td>“Implementation of the MedActionPlan® for Safe Discharge Medication Teaching for Post-Operative Cardiovascular Surgery Patients on the Heart and Kidney Unit” Lisa M. Ring, DNP, CPNP, AC-PC Jamie Cinotti, BSN, RN Mary Mullenholz, BSN, RN Jessica Colyer, MD Children’s National Heart Institute and Department of Global Services</td>
</tr>
<tr>
<td></td>
<td>“Pediatric Early Warning Signs: Establishing Use in the Ambulatory Setting” Anita Johnson, BSN, RN, CPON</td>
</tr>
<tr>
<td></td>
<td>“Improving Quality CPR in the PICU” Laura Nicholson, MSN, RN, CPN, CHSE Madeline Strack, BSN, RN, CPN Sean D’Onofrio, BSN, RN, CCRN, CPN Ashley Siems, MD Amanda Garrow, PhD, RN Laura Nicholson, MSN, RN, CPN, CHSE</td>
</tr>
</tbody>
</table>
# Frontiers in Innovation

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Presenter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-9:00am</td>
<td><strong>LARRIE GREENBERG GRAND ROUNDS LECTURESHIP:</strong></td>
<td>Auditorium, 2nd floor, Main Hospital</td>
<td>Margaret Plack, PT, DPT, EdD, Professor, Department of Health</td>
<td>&quot;Think Before You Blink: Using Mindful Reflection to Slow Down and Think Deeply&quot;</td>
</tr>
<tr>
<td></td>
<td><strong>LEARNING OBJECTIVES</strong></td>
<td></td>
<td></td>
<td>Attendees of this session will be able to:</td>
</tr>
<tr>
<td></td>
<td>1. Discuss reflection as a metacognitive process</td>
<td></td>
<td></td>
<td>2. Link reflection to critical thinking and clinical reasoning.</td>
</tr>
<tr>
<td></td>
<td>2. Link reflection to critical thinking and clinical reasoning.</td>
<td></td>
<td></td>
<td>3. Compare cognitive and reflective frameworks for developing critical</td>
</tr>
<tr>
<td></td>
<td>3. Compare cognitive and reflective frameworks for developing critical</td>
<td></td>
<td></td>
<td>thinking and clinical reasoning.</td>
</tr>
<tr>
<td></td>
<td>4. Differentiate when to blink and when to slow down to think before</td>
<td></td>
<td></td>
<td>blinking.</td>
</tr>
<tr>
<td>9:00-11:00am</td>
<td><strong>Workshop: &quot;Creating Reflective Questions that can Transcend Expertise&quot;</strong></td>
<td>Conference Room 500, Suite 600, Floor 3.5, West Wing</td>
<td>Margaret Plack, PT, DPT, EdD, Professor, Department of Health</td>
<td>In this workshop we will explore cognitive and reflective frameworks that</td>
</tr>
<tr>
<td></td>
<td><strong>LEARNING OBJECTIVES</strong></td>
<td></td>
<td></td>
<td>will enable learners to develop a breadth and depth of questions essential</td>
</tr>
<tr>
<td></td>
<td>1. Appreciate the value of reflective questions in clinical reasoning</td>
<td></td>
<td></td>
<td>to effective decision-making in medicine and beyond.</td>
</tr>
<tr>
<td></td>
<td>2. Differentiate between effective and ineffective questions.</td>
<td></td>
<td></td>
<td>3. Use three different frameworks to develop effective questions that</td>
</tr>
<tr>
<td></td>
<td>3. Use three different frameworks to develop effective questions that</td>
<td></td>
<td></td>
<td>facilitate critical thinking and clinical reasoning.</td>
</tr>
<tr>
<td></td>
<td>4. Apply the questioning frameworks to scenarios presented.</td>
<td></td>
<td></td>
<td>5. Develop an action plan to improve your own questioning skills.</td>
</tr>
<tr>
<td>11:00am-12:00pm</td>
<td><strong>&quot;The Untold Secrets that are making a Difference in Research and Practice! First Session</strong></td>
<td>Conference Room M7607, 6th floor, Main Hospital</td>
<td>Julio A. Deras, NREMT-P, PCT</td>
<td>Featuring Patient Care Technicians, Unit Communication Associates and</td>
</tr>
<tr>
<td></td>
<td><strong>LEARNING OBJECTIVES</strong></td>
<td></td>
<td></td>
<td>Environmental Services. Communication has never been more critical in</td>
</tr>
<tr>
<td></td>
<td>1. Describe approaches to translate the science of human caring to</td>
<td></td>
<td></td>
<td>translating research into clinical care, team work, and practice. This</td>
</tr>
<tr>
<td></td>
<td>improve the hospitalized experience and outcomes for children and</td>
<td></td>
<td></td>
<td>project moves beyond traditional approaches to roles and traditional</td>
</tr>
<tr>
<td></td>
<td>families.</td>
<td></td>
<td></td>
<td>training programs. Learn how the power of an idea can be translated into</td>
</tr>
<tr>
<td></td>
<td>2. Apply methods used by the PANDA team to communicate and translate</td>
<td></td>
<td></td>
<td>the science of human caring and clinical practice.</td>
</tr>
<tr>
<td></td>
<td>3. Translate evidence-based strategies used by PCTs, UCAs and</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Environmental Services care team members to influence system wide</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>learning using personal life experience.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00-1:00pm</td>
<td><strong>JILL JOSEPH LECTURE:</strong></td>
<td></td>
<td>Stephen B. Thomas, PhD, Professor, Health Services Administration,</td>
<td>&quot;Less Talk More Action: Addressing Unconscious Bias Among Health</td>
</tr>
<tr>
<td></td>
<td><strong>LEARNING OBJECTIVES</strong></td>
<td></td>
<td>Director, Maryland Center for Health Equity, PI, NIH-NIMHD Center of</td>
<td>Professionals&quot;</td>
</tr>
<tr>
<td></td>
<td>1. Describe historic events that shape racial discrimination in the</td>
<td></td>
<td>Excellence on Race, Ethnicity &amp; Health Disparities Research, School of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>health professions.</td>
<td></td>
<td>Public Health University of Maryland</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Delinate racial and ethnic health disparities impacted by</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Interpret 4th Generation Health Disparities Research as framework</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>to achieve health equity.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**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:

- Adolescent Medicine
- Cardiology and Cardiovascular Surgery
- Critical Care
- Dentistry
- Developmental and Intellectual Disabilities
- Emergency Medicine and Trauma
- Imaging
- Infectious Disease and HIV
- Medical Education
- Nutrition, Obesity and Gastroenterology
- Pain and Perioperative Medicine
- Psychology
- Surgical Innovation
- Traumatic Brain Injury (TBI)

**1:15-2:30pm**

**The Health Equity Seminar Series:** "Every Researcher can be an Advocate: Advancing Health Equity Through Policy and Advocacy"

Leandra Godoy, PhD, Assistant Professor of Pediatrics, Clinical Psychologist
Shilpa Patel, MD, MPH, Assistant Professor of Pediatrics, Pediatric Emergency Medicine
Yolanda Hancock, MD, Adjunct Professor, Milken Institute, School of Public Health, George Washington University
Kavita Parikh, MD, Associate Professor of Pediatrics, Pediatric Hospitalist

Commentary and reflection provided by:
Stephen Thomas, PhD, Professor, Health Services Administration, Director, Maryland Center for Health Equality, University of Maryland
Tonya Vidal Kinlow, Vice President, Community Engagement, Advocacy, and Government Affairs, Children’s National Medical Center

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

1. Describe the levels of advocacy in the healthcare setting — individual, system, community, and legislative.
2. Discuss steps for developing an advocacy plan to translate research into action.
3. Explore examples of research on mental health, gun violence prevention, and nutrition and obesity impacting policy and advocacy in the Washington, DC community and beyond.

**2:30-3:30pm**

**“The Untold Secrets that are making a Difference in Research and Practice!” Second Session**

Julio A. Deras, NREMT-P, PCT

Featuring Patient Care Technicians, Unit Communication Associates and Environmental Services. Communication has never been more critical in translating research into clinical care, team work, and practice. This project moves beyond traditional approaches to roles and traditional training programs. Learn how the power of an idea can be translated into the science of human caring and clinical practice.

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

1. Describe approaches to translate the science of human caring to improve the hospitalized experience and outcomes for children and families.
2. Apply methods used by the PANDA team to communicate and translate research strategies into clinical practice.
3. Translate evidence-based strategies used by PCTs, UCAs and Environmental Services care team members to influence system wide learning using personal life experience.

**6:00-8:00pm**

**SCIENCE CAFÉ 360:**

**H2H Pilot Project – Hospital to Home Transition for Children with Asthma**

Science Café 360 is a casual space for open dialogue between researchers, community members, and social scientists; the April 2019 café will focus on optimizing the transition to home for children who are hospitalized with an asthma exacerbation through better care coordination with schools and primary care providers.
<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
<th>Speaker/Details</th>
</tr>
</thead>
</table>
| 8:00-10:00am | Conference Room M7607, 6th floor, Main Hospital | **Children's Academy of Pediatric Educators (CAPE) Session: Entrustment in Medical Education**  
Dale Ann Coddington, MD, Associate Professor of Pediatrics, George Washington University, Attending, General and Community Pediatrics, Children's National Health System  
Mary Mottla, MD and Lisa Rickey, MD, Residents, Pediatrics, Children's National Health System  
This session will cover the concept of Entrustable Professional Activities (EPAs), including how supervising clinicians decide to allow a trainee more independence in patient management, how to discuss trust with trainees, and how to use EPAs to identify and create opportunities for assessment and feedback for trainees at different levels.  
**LEARNING OBJECTIVES | Attendees of this session will be able to:**  
1. Recognize the value of reflective questions in the clinical reasoning and problem-solving process.  
2. Employ 3 different frameworks to develop effective questions that facilitate critical thinking and clinical reasoning.  
3. Commit to improve at least one thing in the way you supervise that will help trainees move along the entrustment path. | |
| 12:00-1:00pm | Auditorium, 2nd floor, Main Hospital | **KEYNOTE LECTURE: "Cell Transfer Immunotherapy for Common Epithelial Cancers"**  
Steven A. Rosenberg MD, PhD, Chief, Surgery Branch National Cancer Institute, National Institutes of Health  
**LEARNING OBJECTIVES | Attendees of this session will be able to:**  
1. Analyze the role of immunotherapy in cancer care.  
2. Describe the role of cell-transfer therapy in cancer care.  
3. Analyze complications of cell-based therapy. | |
| 1:00-2:00pm  | Vision Center, Bear Institute, 2nd floor, Main Hospital | **The Nursing Research Advisory Committee (NRAC) Chronicles**  
NRAC Co-Chair, Margaret (Peggy) Surratt, MSN/MBA, RN, CCRN, CTRN, CPEN  
The NRAC will feature studies recently reviewed, completed, published or translated into practice. | |
| 2:30-3:30pm  | Auditorium, 2nd floor, Main Hospital | **AWARDS CEREMONY**  
Winners of the poster sessions, the Children's National Mentorship Awards and the Elda Arce Scholar Award will be presented. | |
<p>| 3:30-4:30pm  | Research Atrium, 5th floor, Main Hospital | <strong>RESEARCH AND EDUCATION WEEK 2019 RECEPTION</strong> | |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Facilitators</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-9:00am</td>
<td>Bear Evidence--Critical Appraisal of the Evidence</td>
<td>Mia Waldron, MSN-ED, RN-BC, CPN</td>
<td>Participants will enhance their skills to organize evidence relevant to a clinical problem, population or process through the use of templates.</td>
</tr>
<tr>
<td>10:00-11:00am</td>
<td>“Spin the Wheel of Questions!” First Session</td>
<td>Susan Keller, MLS, MS-HIT and Katherine Patterson Kelly, PhD</td>
<td>Which knowledge resources can YOU use to answer what the spinner selects for you on the Wheel of Questions? Players will spin the wheel and select resources to answer the question. If you can find more than one resource to answer the question, you get a bigger prize! Questions will be clinical and non-clinical. Prizes for everyoone!</td>
</tr>
<tr>
<td>11:30-12:30am</td>
<td>“Spin the Wheel of Questions!” Second Session</td>
<td>Susan Keller, MLS, MS-HIT and Katherine Patterson Kelly, PhD</td>
<td>Which knowledge resources can YOU use to answer what the spinner selects for you on the Wheel of Questions? Players will spin the wheel and select resources to answer the question. If you can find more than one resource to answer the question, you get a bigger prize! Questions will be clinical and non-clinical. Prizes for Everyone!</td>
</tr>
</tbody>
</table>
keynote lecturers

Monday, April 1 10:00-11:00am
Auditorium, 2nd floor, Main Hospital

Emerging and New Challenges to Child Health: A Global Perspective

Dr. Hyder is Senior Associate Dean for Research and Professor of Global Health at the Milken Institute School of Public Health of George Washington University. Previously, Dr. Hyder served in multiple capacities at the Johns Hopkins Bloomberg School of Public Health. Dr. Hyder has worked to improve global health in low- and middle-income countries with work on health systems, ethics, and injury prevention. He has conducted studies on defining the epidemiological burden, understanding risk factors, exploring potential interventions, estimating economic impact, and appreciating the socio-cultural correlates of non-communicable diseases where he co-authored over 300 scientific peer-reviewed papers. Dr. Hyder received his MD from the Aga Khan University, Pakistan and obtained his MPH and PhD in Public Health from Johns Hopkins University.

Monday, April 1 12:00-1:00pm
Auditorium, 2nd floor, Main Hospital

What Mary Poppins Knew: The Science Behind That “Spoonful of Sugar”

Dr. Joseph is an Assistant Clinical Investigator and Chief of the Sensory Science and Metabolism Unit (SenSMet) in the NINR Division of Intramural Research. The SenSMet supports research into the fundamental mechanisms associated with chemosensory symptoms and metabolic conditions such as Type 2 diabetes, obesity, and related comorbidities. Dr. Joseph’s clinical chemosensory research aims to improve the diagnosis, prevention, and management of chemosensory disorders and symptoms. This research enhances our understanding of molecular, cellular, neural, and behavioral mechanisms underlying symptoms to identify new targets for treatment and improve symptom management strategies. Dr. Joseph has extensive experience working with individuals with diabetes and obesity. Her experience brings a unique and necessary perspective to the study of chemosensory symptoms (taste and smell alterations) by incorporating both clinical and bench science approaches to unite three fields of science: nursing, sensory biology, and omics.

Tuesday, April 2 10:00-11:00am
Auditorium, 2nd floor, Main Hospital

A Long Term Horizon: Challenging the Modus Operandi of Global Health and Development

Dr. Kerry is the co-founder and CEO of Seed Global Health – a nonprofit organization which helps provide nursing and medical training support in resource-limited countries. She is a critical care physician at Massachusetts General Hospital and serves as the Associate Director of Partnerships and Global Initiatives at MGH Global Health. She directs the Global Public Policy and Social Change program in the Department of Global Health and Social Medicine at Harvard Medical School, developing research and training on long term health system protection and function.
All keynote lectures will be available via WebEx and offer Continuing Medical Education (CME) credit. View the Research and Education Week website for more details.

**Tuesday, April 2 | 12:00-1:00pm**
Auditorium, 2nd floor, Main Hospital

**Gene Therapy and Gene Editing for Orphan Diseases**

[Image] James M. Wilson, MD, PhD  
*Rose H. Weiss Professor and Director, Orphan Disease Center, Professor of Medicine and Pediatrics, Director, Gene Therapy Program, Perelman School of Medicine, University of Pennsylvania*

Dr. Wilson is a Professor in the Perelman School of Medicine at the University of Pennsylvania where he has led an effort to develop the field of gene therapy. His research career spanning over 40 years has focused on rare diseases and ways to treat them by gene therapy. The Wilson lab identified a new type of vector based on novel isolates of adenoassociated viruses which have become best-in-class for gene therapy being used by over 28 companies. More recently Dr. Wilson's laboratory has focused on improved vectors for gene therapy and clinical applications of genome editing and mRNA therapy.

**Wednesday, April 3 | 8:00-9:00am**
Auditorium, 2nd floor, Main Hospital

**LARRIE GREENBERG GRAND ROUNDS LECTURESHIP**  
**Think Before You Blink: Using Mindful Reflection to Slow Down and Think Deeply**

[Image] Margaret M. Plack, PT, DPT, EdD  
*Professor, Doctor of Physical Therapy Program, Department of Health, Human Function & Rehabilitation Sciences, George Washington University*

Dr. Plack’s ongoing research is related to reflective practice and models of education, which has resulted in over 45 publications and a textbook entitled, Teaching and Learning in Physical Therapy: From Classroom to Clinic. Dr. Plack has provided over 175 educational platforms, posters, presentations and workshops nationally and internationally in a variety of venues including AAMC, PAS, ASPE, NEGEA, and APPTAC. Dr. Plack has received a number of awards for her educational research, including the Stanford Award (2005 and 2007) from the Journal of Physical Therapy Education, the Emerald Literati Network Award (2010) from the Journal of Workplace Learning and the J. Warren Perry Distinguished Author Award (2013) from the Journal of Allied Health. In 2011, she received the Award for Leadership in Education from the Education Section of the American Physical Therapy Association.

**Wednesday, April 3 | 12:00-1:00pm**
Auditorium, 2nd floor, Main Hospital

**Jill Joseph Lectureship**  
**Less Talk More Action: Addressing Unconscious Bias Among Health Professionals**

[Image] Stephen B. Thomas, PhD  
*Professor, Health Services Administration, Director, Maryland Center for Health Equity, PI, NIH-NIMHD Center of Excellence on Race, Ethnicity & Health Disparities Research, School of Public Health*

Dr. Thomas is Director of the Maryland Center for Health Equity and Professor of Health Services Administration in the School of Public Health at the University of Maryland in College Park. Dr. Thomas is one of the nation’s leading scholars on community-based interventions to eliminate racial and ethnic health disparities including obesity, diabetes, hypertension, HIV AIDS and violence. He is Principal Investigator of the Center of Excellence on Race, Ethnicity and Disparities Research funded by the NIH—National Institute on Minority Health and Health Disparities (NIMHD), which includes teams of scientists conducting targeted research on obesity, vaccine acceptance and men’s health.
Thursday, April 4  12:00-1:00pm
Auditorium, 2nd floor, Main Hospital

Cell Transfer Immunotherapy for Common Epithelial Cancers

Steven A. Rosenberg, MD, PhD
Chief, Surgery Branch, National Cancer Institute, National Institutes of Health

Dr. Rosenberg is Chief of Surgery at the National Cancer Institute in Bethesda, Maryland. He received his BA and MD degrees at Johns Hopkins University and a PhD in Biophysics at Harvard University. After completing his residency training in surgery in 1974 at the Peter Bent Brigham Hospital in Boston, Massachusetts, Dr. Rosenberg became the Chief of Surgery at the NCI, NIH, a position he has held to the present time. Dr. Rosenberg pioneered the first effective immunotherapies and gene therapies for patients with advanced cancer. His studies of the adoptive transfer of natural or genetically modified lymphocytes have resulted in the regression of metastatic cancer in patients with melanoma, lymphomas and common epithelial cancers. He has published over 1100 peer-reviewed papers.

Visit researchweek.ctsicn.org for all event information including the Research and Education Week Program and Abstracts eBook/PDF (available in April).

#REWatCN2019