



Research Now | February 2017
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Please take this chance to view recent accomplishments in research and academics at our institution, from a study that sheds insight on the molecular mechanisms of heart infection to a local learning health system that improves quality while lowering health care costs.

- John Barnard, MD, President, The Research Institute



Researchers Investigate Disease Mechanisms that Allow Bacteria to Adhere to Molecules on Host Cell Surfaces, Critical in Heart Infection

A recent study published in the journal *Infection and Immunity* demonstrates how a key protein is required to bind two distinct receptors on the bacteria *Streptococcus oralis* involved in infective endocarditis, an infection of the heart that commonly occurs on the surface of the valves. Samantha J. King, PhD, principal investigator in the Center for Microbial Pathogenesis in The Research Institute at Nationwide Children's Hospital, is senior author of the research.

Hormonal Contraception Safer Than Expected for Women with Diabetes

The results of a first-of-its-kind study on hormonal contraception and health outcomes for women with diabetes expands pregnancy planning options, with the safest options being intrauterine devices (IUDs) and under-the-skin implants. Sarah O'Brien, MD, principal investigator in the Center for Innovation in Pediatric Practice in The Research Institute at Nationwide Children's Hospital, is lead author of the research, which was published in *Diabetes Care* and funded by the American Diabetes Association.



Local Learning Health System Model Demonstrates High-Quality Patient Care While Reducing Costs

A pilot program developed and implemented by Nationwide Children's Hospital and The Ohio State University has demonstrated that clinical quality can be improved while simultaneously lowering health care costs. The study, published in *Developmental Medicine and Child Neurology* with an editorial in the *Journal of the American Medical Association*, was led by William E. Smoyer, MD, vice president of Clinical and Translational Research and director of the Center for Clinical and Translational Research at Nationwide Children's.

Recent Publications

View recent publications from investigators and clinicians affiliated with Nationwide Children's Hospital.



Lara McKenzie, PhD, Fellow in the American Academy of Health Behavior

Dr. McKenzie, principal investigator in the Center for Injury Research and Policy at The Research Institute at Nationwide Children's, was unanimously endorsed as a fellow by the Board of Directors of the American Academy of Health Behavior (AAHB), comprised of health behavior scholars and researchers whose primary commitment is to research excellence and the application of research to improve public health.

Researchers Awarded \$4.7M to Explore Gene Therapy in Duchenne Muscular Dystrophy

Parent Project Muscular Dystrophy and Sarepta Therapeutics, Inc. recently announced a combined \$4.7 million to be awarded to Jerry Mendell, MD, and Louise Rodino-Klapac, PhD, principal investigators in the Center for Gene Therapy at The Research Institute at Nationwide Children's who are exploring gene therapy as a potential treatment for Duchenne muscular dystrophy.



Mark Peeples, PhD, Selected as STEM Exemplar by Ohio Academy of Science

Dr. Peeples, principal investigator in the Center for Vaccines and Immunity at The Research Institute at Nationwide Children's, is one of nine professionals from six counties selected for embodying believing in Ohio from a science, technology, engineering and mathematics (STEM) workforce perspective.

Virtual Reality Game Developed by Nationwide Children's Hospital and The Ohio State University Finalist for SXSW Interactive Innovation Award

A first-of-its-kind virtual reality experience from the hemophilia team and design experts at Nationwide Children's Hospital and The Ohio State University, Voxel Bay, is one of only five finalists for the 2017 SXSW Interactive Innovation Awards in Health, Med & Biotech.



Events Calendar

View a listing of weekly seminars and upcoming events for academics and research at Nationwide Children's Hospital.

In Case You Missed It: Research Live Video from January 18

Visit the ANCHOR Research home page for featured video from the January 2017 Research Live show, hosted by John Barnard, MD, president of the Research Institute, with guest researcher Joy Lincoln, PhD, principal investigator in the Center for Cardiovascular Research.



Clinical Studies

For a listing of studies at Nationwide Children's that are currently recruiting participants, visit our clinical research studies website.

Policy Update for Research Expense Cost Transfers

The Cost Transfer Policy and Request Form have been updated for research expense cost transfers, and both documents can be found on the research intranet (ANCHOR). The policy is now less restrictive, and the procedures have been streamlined.



Dr. Jonathan Finlay, Director of Neuro-Oncology Program, Featured on Nationwide Children's Hospital Tumblr

Nationwide Children's Hospital Tumblr endeavors to increase visibility and awareness of all roles and experiences among our 10,000-employee staff, all of whom uniquely shape the care we provide for our patient families. Together, we can foster a strong sense of inclusion and pride, because every one of our employees is critical to the hospital's mission.

Research News Room

To keep up with more of the latest Nationwide Children's research news, visit the Research News Room. To be notified when our news release section is updated, please [sign up to receive e-mail updates](#) or stay connected with our RSS feeds.

To submit content for consideration in Research Now, or to give feedback, email ResearchNow@NationwideChildrens.org

The next issue will be distributed on March 6, 2017. The deadline to submit content is Friday, February 24, 2017.

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