



**Research Now | April 2016**  
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### **Researchers Find Transcriptional Profiling May Help Diagnose Rhinovirus Infection, Common Cause of Colds, Pneumonia and Other Respiratory Infections**

M. Asuncion Mejias, MD, PhD, principal investigator in the Center for Vaccines and Immunity in The Research Institute at Nationwide Children's Hospital, is senior author of an *American Journal of Respiratory and Critical Care Medicine* study that demonstrated benefits of transcriptional profiling, or measuring the activity of thousands of genes at once to create a snapshot of cellular function. This process allows for quick discrimination between active rhinovirus infection and incidental presence of the virus without symptoms of infection.

### **Recent Publications**

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



### **Scientists Find Mechanism Responsible for Motor Neuron Death in Amyotrophic Lateral Sclerosis (ALS), Lou Gehrig's Disease**

New research from the Center for Gene Therapy in The Research Institute at Nationwide Children's Hospital shines a light on the role of MHC1 in astrocyte-induced death of motor neurons in ALS, or Lou Gehrig's disease, pointing to a potential therapeutic target. Read more in the *Pediatrics Nationwide* brief.

### **FDA Approves Clinical Trial for Sanfilippo Syndrome Type A, Gene Therapy Developed by Researchers at Nationwide Children's Hospital**

On February 29, 2016, Abeona Therapeutics announced FDA approval of a new clinical trial for Sanfilippo syndrome type A, the most common and severe type of Sanfilippo syndrome, a rare and life-threatening genetic disease. The trial will use an approach developed by Kevin Flanigan, MD, Haiyan Fu, PhD, and Douglas McCarty, PhD, principal investigators in the Center for Gene Therapy in The Research Institute.



### **Clinical Studies and ResearchMatch**

More than 400 volunteers under age 18 have joined the ResearchMatch database, all within a 50-mile radius of Nationwide Children's. If you would like to use ResearchMatch as a recruitment tool to connect with study volunteers, email [Myra George](mailto:myra.george@nationwidechildrens.org).

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

### **Still Point Coaching & Consulting Services for Faculty**

Learn more about writing services available to research faculty and clinicians who conduct research, including help with grant applications and research manuscripts.



### **Events Calendar**

Visit the Research Events Calendar for a listing of weekly seminars and upcoming events at The Research Institute. All are invited to attend the Spring 2016 Research Town Hall on Tuesday, April 12 from 2-3PM in Discovery Auditorium (WA1020).

### **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 email updates](#) or stay connected with our RSS feeds.



## **Nora Snodgrass, Lead Administrative Assistant for Center for Cardiovascular Research, 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.

To submit content for consideration in *Research Now*, or to give feedback, email  
[ResearchNow@NationwideChildrens.org](mailto:ResearchNow@NationwideChildrens.org)

**The next issue will be distributed on May 2, 2016. The deadline to submit content is Friday, April 22, 2016.**

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Nationwide Children's Hospital | 700 Children's Drive | Columbus, Ohio 43205