



**Research Now | March 2015**

*The Research Institute at Nationwide Children's Hospital*



*Peter White, PhD, director of the Biomedical Genomics Core and principal investigator in the Center for Microbial Pathogenesis.*

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## RESEARCH AND DISCOVERY

### [New Software, Churchill, Analyzes Human Genomes Faster Than Other Available Technologies](#)

Peter White, PhD, director of the Biomedical Genomics Core and principal investigator in the Center for Microbial Pathogenesis, is the lead author of a study that describes how this ultra-fast software, developed by his team at Nationwide Children's, is empowering population-scale genomic analysis.

### [Studies of \*Streptococcus pneumoniae\* Reveal New Therapeutic Targets for Many Diseases](#)

A research team, led by Samantha King, PhD, principal investigator in the Center for Microbial Pathogenesis, has discovered that inhibiting a novel mechanism of bacterial adherence to host cells may prevent colonization of pathogens, which is a critical step in infectious disease development.

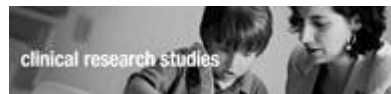
### [Non-Cardiac Surgeries for Children with Congenital Heart Disease Vary Substantially by Institution](#)

A recent study co-authored by Katherine J. Deans, MD, and Peter C. Minneci, MD, principal investigators in the Center for Innovation in Pediatric Practice and pediatric surgeons at Nationwide Children's, demonstrates significant variability in non-cardiac surgical procedures for children with CHD.

### [Recent Peer-Reviewed Publications from NCH Faculty](#)



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## RECENT NEWS

[Reminder: Upcoming Navision Changes in March and April](#)

[Lab Safety Reviews: Research Safety Findings from 2014](#)

## MEETINGS AND EVENTS

[Clinical Research Services Open House on March 6 from 2-4PM in New Location](#)

[Research Purchasing Updates and Vendor Show on March 11 from 9:30AM-1PM](#)

[Save the Date: Spring 2015 Research Town Hall on Tuesday, April 21 from 2-3PM](#)

## AWARDS AND RECOGNITION

[Sandra Kim, MD, Selected as Faculty Inductee for Gold Humanism Honor Society and AOA Honor Medical Society](#)

[Linda Lowes, PT, PhD, Recipient of Cure SMA Research Grant for Project on Spinal Muscular Atrophy Type I](#)

## GRANTS AND FUNDING RESOURCES

[Graduate and Post-Doctoral Trainee Research Awards: Letters of Intent Due March 15; Proposal Applications Due April 1](#)

[Applications for Summer Undergraduate Research Fellowship \(SURF\) in Cardiovascular Research Due March 31, 2015](#)

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## RECENT MEDIA COVERAGE

[Pediatric Accountable Care Organization Succeeds in Ohio](#): Kelly Kelleher, MD, MPH, and colleagues demonstrated cost savings and improved health care quality outcomes for Partners for Kids, a pediatric ACO serving approximately 300,000 Medicaid-eligible children in Ohio (Dispatch)

[GenomeNext Inks Agreement with Nationwide Children's](#): Under this agreement, Nationwide Children's will integrate GenomeNext's genomic sequencing analysis platform for both clinical laboratory services and clinical research initiatives (News Room)

[Tip-Overs: Preventable Tragedies](#): Gary Smith, MD, director of the Center for Injury Research and Policy, explains how accidents from falling furniture and televisions are almost entirely preventable, with more awareness, regulation and commitment from manufacturers (Philly)



[Read the latest from Pediatrics Nationwide](#)