

2014 Research Annual Report

Research in Patient Services



Division Summary

RESEARCH AND TRAINING DETAILS

Number of Faculty	11
Number of Joint Appointment Faculty	6
Number of Research Fellows	5
Number of Research Students	41
Number of Support Personnel	24
Direct Annual Grant Support	\$944,119
Peer Reviewed Publications	56

CLINICAL ACTIVITIES AND TRAINING

Division Photo



Row 1: H Tubbs Cooley, N Daraiseh
Row 2: L Hunter, A Vinks, R Pickler, A Dimitrijevic
Row 3: D Moore, S Holland, M Paterno, T Horowitz-Kraus, D Deliyski

Significant Accomplishments

Mentoring for Successful Outcomes

Heather Tubbs Cooley, PhD, RN, is examining the role of missed nursing care as a mediator of the effect of nurse staffing levels on neonatal outcomes through a career development award with mentorship provided by Rita Pickler, PhD, RN, PPCNP-BC, FAAN, Professor and Scientific Director of Nursing. Tubbs Cooley completed post-doctoral training as a Quality Scholar in the James M. Anderson Center (2013), received the inaugural Research Scholars in Patient Services (PS2) Award to study missed nursing care in neonatal intensive care units, analyzed data from Pickler's existing large data set (resulting in two presentations and two publications), and published several papers related to her emerging program of research. She received the 2014 Brilliant Young Scientist Award from the Council for the Advancement of Nursing Science, a highly prestigious award given to a young scholar who will have a remarkable impact on advancing nursing research and clinical care delivery.

Translational Science and Collaboration

Nancy Daraiseh, PhD, specializes in occupational safety and health, and the assessment of workload and work environment on health outcomes in healthcare personnel. She collaborates with individuals from the University of Cincinnati's Colleges of Nursing and Allied Health Sciences as well as with Maurizio Macaluso, MD, Division of Epidemiology, Cincinnati Children's, on a study to examine injury under-reporting and near-misses among pediatric nursing personnel, and the impact of individual and organizational factors on these reports.

Additional collaborations include with Drew Barzman, MD, Division of Psychiatry, on the use of motion sensors to monitor patients for early signs of aggression and violence; and with Kathleen Walsh, MD, MSc, The James M. Anderson Center for Health Systems Excellence, on patient and family injury and error reporting. Daraiseh is working on testing an evaluative tool that determines proper personal protective equipment and behavioral plans in psychiatric units with the goals of reducing staff and patient injury and improving care. She has two funded projects related to these areas of research.

Our Efforts in Reading and Literacy

Initially created as a research program, the Reading & Literacy Discovery Center (RLDC) has initiated a new program for children with reading disabilities. And the RLDC is piloting a new clinical evaluation program that will expand to meet the needs of the Cincinnati metropolitan area.

Longer-term plans include a literacy outreach arm and a treatment program for dyslexia. RLDC and its partners envision a center that will provide full intervention and assessment services for reading disabilities, with a firm foundation in research. This will provide evidence for the most effective treatments. The RLDC advisory board of leaders from the Cincinnati community meets annually; a website will serve as an informational hub for reading difficulties. The Center is transitioning from a reading research center to a clinical reading and literacy center thanks to the gifts of several generous donors.

Division Publications

1. Ahmmed AU, Ahmmed AA, Bath JR, Ferguson MA, Plack CJ, Moore DR. **Assessment of children with suspected auditory processing disorder: a factor analysis study.** *Ear Hear.* 2014; 35:295-305.
2. Amitay S, Guiraud J, Sohoglu E, Zobay O, Edmonds BA, Zhang YX, Moore DR. **Human decision making based on variations in internal noise: an EEG study.** *PLoS One.* 2013; 8:e68928.
3. Amitay S, Zhang YX, Jones PR, Moore DR. **Perceptual learning: top to bottom.** *Vision Res.* 2014; 99:69-77.
4. Areta JL, Burke LM, Camera DM, West DW, Crawshaw S, Moore DR, Stellingwerff T, Phillips SM, Hawley JA, Coffey VG. **Reduced resting skeletal muscle protein synthesis is rescued by resistance exercise and protein ingestion following short-term energy deficit.** *Am J Physiol Endocrinol Metab.* 2014; 306:E989-97.
5. Baioni K, Gneuhs M, Dickman L, Weber K, Hueneman M, Timm N. **Preparing for optimal outcomes: a live evacuation exercise.** *AORN J.* 2013; 98:71-6.
6. Berman S, Cicchino N, Hajinazarian A, Mescher M, Holland SK, Horowitz-Kraus T. **An fMRI Study of a Dyslexia Biomarker.** *Journal of Young Investigators.* 2014; 26:1-4.
7. Bowling AM. **Writing for publication: you can do it.** *J Pediatr Nurs.* 2013; 28:616-9.
8. Chen J, Daraiseh NM, Davis KG, Pan W. **Sources of work-related acute fatigue in United States hospital nurses.** *Nurs Health Sci.* 2014; 16:19-25.
9. Cheng CY, Pickler RH. **Perinatal stress, fatigue, depressive symptoms, and immune modulation in late pregnancy and one month postpartum.** *ScientificWorldJournal.* 2014; 2014:652630.
10. Cheng C-Y, Pickler RH, Chu T-P, Chou Y-H. **The Experience of Happiness among Chinese Postpartum Mothers.** *Psychology.* 2014; 05:485-490.
11. Dawes P, Fortnum H, Moore DR, Emsley R, Norman P, Cruickshanks K, Davis A, Edmondson-Jones M, McCormack A, Lutman M, Munro K. **Hearing in middle age: a population snapshot of 40- to 69-year olds in the United Kingdom.** *Ear Hear.* 2014; 35:e44-51.
12. Donahue EN, Leborgne WD, Brehm SB, Weinrich BD. **Reported vocal habits of first-year undergraduate musical theater majors in a preprofessional training program: a 10-year retrospective study.** *J Voice.*

2014; 28:316-23.

13. Feeney MP, Hunter LL, Kei J, Lilly DJ, Margolis RH, Nakajima HH, Neely ST, Prieve BA, Rosowski JJ, Sanford CA, Schairer KS, Shahnaz N, Stenfelt S, Voss SE. **Consensus statement: Eriksholm workshop on wideband absorbance measures of the middle ear.** *Ear Hear.* 2013; 34 Suppl 1:78S-79S.
14. Ferguson MA, Moore DR. **Auditory Processing Performance and Nonsensory Factors in Children with Specific Language Impairment or Auditory Processing Disorder.** *Semin Hear.* 2014; 35:001-014.
15. Filipa AR, Smith TR, Paterno MV, Ford KR, Hewett TE. **Performance on the Star Excursion Balance Test predicts functional turnout angle in pre-pubescent female dancers.** *J Dance Med Sci.* 2013; 17:165-9.
16. Gokeler A, Benjaminse A, Hewett TE, Paterno MV, Ford KR, Otten E, Myer GD. **Feedback techniques to target functional deficits following anterior cruciate ligament reconstruction: implications for motor control and reduction of second injury risk.** *Sports Med.* 2013; 43:1065-74.
17. Grubb A, Joanisse S, Moore DR, Bellamy LM, Mitchell CJ, Phillips SM, Parise G. **IGF-1 colocalizes with muscle satellite cells following acute exercise in humans.** *Appl Physiol Nutr Metab.* 2014; 39:514-8.
18. Harris ME, Rockstroh DM, Shively HL. **Safe Surgical Counting Procedures in the Hybrid Cardiac Catheterization Lab.** *Cath Lab Digest.* 2013; 21:1-18.
19. Hayter M, Noyes J, Perry L, Pickler R, Roe B, Watson R. **Who writes, whose rights, and who's right? Issues in authorship.** *J Adv Nurs.* 2013; 69:2599-601.
20. Horowitz-Kraus T. **Pinpointing the deficit in executive functions in adolescents with dyslexia performing the Wisconsin card sorting test: an ERP study.** *J Learn Disabil.* 2014; 47:208-23.
21. Horowitz-Kraus T, Breznitz Z. **Can reading rate acceleration improve error monitoring and cognitive abilities underlying reading in adolescents with reading difficulties and in typical readers?.** *Brain Res.* 2014; 1544:1-14.
22. Horowitz-Kraus T, Breznitz Z. **Compensated dyslexics have a more efficient error detection system than noncompensated dyslexics.** *J Child Neurol.* 2013; 28:1266-76.
23. Horowitz-Kraus T, Vannest JJ, Gozdas E, Holland SK. **Greater Utilization of Neural-Circuits Related to Executive Functions is Associated with Better Reading: A Longitudinal fMRI Study Using the Verb Generation Task.** *Front Hum Neurosci.* 2014; 8:447.
24. Horowitz-Kraus T, Vannest JJ, Holland SK. **Overlapping neural circuitry for narrative comprehension and proficient reading in children and adolescents.** *Neuropsychologia.* 2013; 51:2651-62.
25. Hunter LL, Prieve BA, Kei J, Sanford CA. **Pediatric applications of wideband acoustic immittance measures.** *Ear Hear.* 2013; 34 Suppl 1:36S-42S.
26. Kei J, Sanford CA, Prieve BA, Hunter LL. **Wideband acoustic immittance measures: developmental characteristics (0 to 12 months).** *Ear Hear.* 2013; 34 Suppl 1:17S-26S.
27. Keller AE, Dulle M, Kwiecinski S, Altimier L, Owens C. **Professional Collaboration: Who Should Determine Safe Staffing for Nurses?.** *Newborn and Infant Nursing Reviews.* 2013; 13:113-116.
28. Kiapour AM, Wordeman SC, Paterno MV, Quatman CE, Levine JW, Goel VK, Demetropoulos CK, Hewett TE. **Diagnostic value of knee arthrometry in the prediction of anterior cruciate ligament strain during landing.** *Am J Sports Med.* 2014; 42:312-9.
29. Kilanowski JF, Lin L. **Effects of a healthy eating intervention on Latina migrant farmworker mothers.** *Fam Community Health.* 2013; 36:350-62.
30. Kraus D, Horowitz-Kraus T. **The Effect of Learning on Feedback-Related Potentials in Adolescents with Dyslexia: An EEG-ERP Study.** *PLoS One.* 2014; 9:e100486.
31. Mazaheri A, van Schouwenburg MR, Dimitrijevic A, Denys D, Cools R, Jensen O. **Region-specific modulations in oscillatory alpha activity serve to facilitate processing in the visual and auditory**

modalities. *Neuroimage*. 2014; 87:356-62.

32. McCormack A, Edmondson-Jones M, Fortnum H, Dawes P, Middleton H, Munro KJ, Moore DR. **The prevalence of tinnitus and the relationship with neuroticism in a middle-aged UK population.** *J Psychosom Res*. 2014; 76:56-60.
33. Miller CK, Kelchner LN, de Alarcon A, Willging JP. **Compensatory laryngeal function and airway protection in children following airway reconstruction.** *Ann Otol Rhinol Laryngol*. 2014; 123:305-13.
34. Moore DR. **Auditory processing disorder in children and its relation to language and literacy disorders.** In: KKH Chung, KCP Yuen, DM McInerney, eds. *Understanding Developmental Disorders of Auditory Processing, Language and Literacy across Languages: International Perspectives*. Charlotte, NC: Information Age Publishing; 2014.
35. Moore DR, Hunter LL. **Auditory processing disorder (APD) in children: A marker of neurodevelopmental syndrome.** *Hearing, Balance and Communication*. 2013; 11:160-167.
36. Myer GD, Ford KR, Foss KD, Rauh MJ, Paterno MV, Hewett TE. **A predictive model to estimate knee-abduction moment: implications for development of a clinically applicable patellofemoral pain screening tool in female athletes.** *J Athl Train*. 2014; 49:389-98.
37. Neumann D, Crawford MT, Geiser C, Osborn R, Paterno MV, Hughes C. **April 2014 Book Reviews.** *Journal of Orthopaedic & Sports Physical Therapy*. 2014; 44:314-317.
38. Paterno MV, Prokop TR, Schmitt LC. **Physical therapy management of patients with osteochondritis dissecans: a comprehensive review.** *Clin Sports Med*. 2014; 33:353-74.
39. Paterno MV, Taylor-Haas JA, Myer GD, Hewett TE. **Prevention of overuse sports injuries in the young athlete.** *Orthop Clin North Am*. 2013; 44:553-64.
40. Phillips-Pula L, Pickler R, McGrath JM, Brown LF, Dusing SC. **Caring for a preterm infant at home: a mother's perspective.** *J Perinat Neonatal Nurs*. 2013; 27:335-44.
41. Pickler RH, McGrath JM, Reyna BA, McCain N, Lewis M, Cone S, Wetzel P, Best A. **A model of neurodevelopmental risk and protection for preterm infants.** *Adv Neonatal Care*. 2013; 13 Suppl 5:S11-20.
42. Pickler RH, Calamaro C, Docherty S, Goodhue CJ, Magee T, McCarthy AM, Sadler L, Small L, Spratling R, Van Cleve SN, D'Auria J, Jones DC. **NAPNAP research agenda revisions: preliminary survey results.** *J Pediatr Health Care*. 2013; 27:390-4.
43. Pickler RH, McGrath JM, Reyna BA, McCain N, Lewis M, Cone S, Wetzel P, Best A. **A Model of Neurodevelopmental Risk and Protection for Preterm Infants.** *Advances in Neonatal Care*. 2013; 13:S11-S20.
44. Pickler RH, Tubbs-Cooley HL. **Patient-centered outcomes research: a "new" research agenda.** *J Pediatr Health Care*. 2014; 28:101-4.
45. Prows CA, Zhang X, Huth MM, Zhang K, Saldana SN, Daraiseh NM, Esslinger HR, Freeman E, Greinwald JH, Martin LJ, Sadhasivam S. **Codeine-related adverse drug reactions in children following tonsillectomy: a prospective study.** *Laryngoscope*. 2014; 124:1242-50.
46. Quatman-Yates CC, Gupta R, Paterno MV, Schmitt LC, Quatman CE, Ittenbach RF. **Internal consistency and validity of the QuickDASH instrument for upper extremity injuries in older children.** *J Pediatr Orthop*. 2013; 33:838-42.
47. Quatman-Yates CC, Lee A, Hugentobler JA, Kurowski BG, Myer GD, Riley MA. **Test-retest consistency of a postural sway assessment protocol for adolescent athletes measured with a force plate.** *Int J Sports Phys Ther*. 2013; 8:741-8.
48. Quatman-Yates CC, Myer GD, Ford KR, Hewett TE. **A longitudinal evaluation of maturational effects on lower extremity strength in female adolescent athletes.** *Pediatr Phys Ther*. 2013; 25:271-6.

49. Saleh SM, Saeed SR, Meerton L, Moore DR, Vickers DA. **Clinical use of electrode differentiation to enhance programming of cochlear implants.** *Cochlear Implants Int.* 2013; 14 Suppl 4:S16-8.
50. Sanford CA, Hunter LL, Feeney MP, Nakajima HH. **Wideband acoustic immittance: tympanometric measures.** *Ear Hear.* 2013; 34 Suppl 1:65S-71S.
51. Sawhney P, Modi AC, Jenkins TM, Zeller MH, Kollar LM, Inge TH, Xanthakos SA. **Predictors and outcomes of adolescent bariatric support group attendance.** *Surg Obes Relat Dis.* 2013; 9:773-9.
52. Schaffzin JK, Prichard H, Bisig J, Gainor P, Wolfe K, Solan LG, Webster L, McCarthy JJ. **A collaborative system to improve compartment syndrome recognition.** *Pediatrics.* 2013; 132:e1672-9.
53. Sotto CD, Redle E, Bandaranayake D, Neils-Strunjas J, Creaghead NA. **Fricatives at 18 months as a measure for predicting vocabulary and grammar at 24 and 30 months.** *J Commun Disord.* 2014; 49:1-12.
54. Spratling R, Pickler RH, Calamaro C, Dale JC, Docherty S, Goodhue CJ, Kilanowski J, McCarthy AM, O'Laughlen MC, Sadler LS, Small L, Speer K, Thomas T, Van Cleve S, D'Auria J, Jones DC. **NAPNAP research agenda: 2014-2019.** *J Pediatr Health Care.* 2014; 28:272-5.
55. Tubbs-Cooley HL, Cimiotti JP, Silber JH, Sloane DM, Aiken LH. **An observational study of nurse staffing ratios and hospital readmission among children admitted for common conditions.** *BMJ Qual Saf.* 2013; 22:735-42.
56. Tubbs-Cooley HL, Martsof DS, Pickler RH, Morrison CF, Wardlaw CE. **Development of a regional nursing research partnership for academic and practice collaborations.** *Nurs Res Pract.* 2013; 2013:473864.

Faculty, Staff, and Trainees

Faculty Members

Scott Holland, PhD, Professor

Leadership Director - Research in Patient Services

Research Interests Advanced neuroimaging applications of MRI in pediatrics

Nancy Daraiseh, PhD, Assistant Professor

Research Interests Occupational health and safety; human factors; patient safety; health outcomes

Dimitar Deliyski, PhD, Associate Professor

Leadership Associate Director

Research Interests Voice and vocal cord research related to otolaryngology surgery

Andrew Dimitrijevic, PhD, Assistant Professor

Research Interests Electroencephalography related to cochlear implant patients

Karen Harpster, PhD, OTR/L, Assistant Professor

Research Interests Intervention approaches for children with cerebral palsy and other developmental conditions.

Lisa Hunter, PhD, FAAA, Associate Professor

Leadership Scientific Director Pediatric Audiology

Research Interests Middle ear physiology; newborn hearing screening; childhood hearing loss diagnosis

Ann Kummer, PhD, Professor

Leadership PhD, CCC-SLP, ASHA-F

Research Interests Speech and resonance disorders secondary to cleft palate; craniofacial and orofacial anomalies; velopharyngeal dysfunction

David Moore, PhD, Professor

Leadership Director - Communication Sciences Research Center

Research Interests Psychoacoustic research and how it affects hearing

Rita Pickler, PhD, RN, PNP-BC, FAAN, Professor

Leadership Scientific Director in Nursing

Research Interests Preterm infant care; prematurity prevention; transition to home; biobehavioral research

Jennifer Schmit, DPT, PhD, Assistant Professor

Heather Tubbs-Cooley, PhD, RN, Assistant Professor

Research Interests Outcomes research; health services research; improvement and implementation science; nursing workforce research

Joint Appointment Faculty Members

Tzipi Horowitz-Kraus, PhD, Assistant Professor (General Pediatrics)

Research Interests Program Director - Reading and Literacy Discovery Center. Language executive function in typical children and those with reading difficulties

Jason Long, PhD, Assistant Professor (Director - Motion Analysis Lab)

Research Interests Motion analysis; biomechanics; cerebral palsy; foot and ankle pathology

Ardythe Morrow, PhD, Professor (Neonatology and Pulmonary Biology)

Research Interests Scientific Director of Nutrition Research. Human milk; child health and nutrition

Mark Paterno, PT, PhD, MBA, SCS, ATC, Assistant Professor (Sports Medicine)

Research Interests Physical therapy management; ACL and sports overuse injuries; patellofemoral pain

Catherine Quatman-Yates, PT, DPT, PhD, Assistant Professor (Sports Medicine)

Research Interests Postural sway as biomarker for concussion; upper extremity injuries

Alexander Vinks, PharmD, PhD, FCP, Professor (Clinical Pharmacology)

Research Interests Scientific Director of Pharmacy Research. Population pharmacokinetics, pharmacokinetic- pharmacodynamic modeling, pharmacogenetics/genomics, clinical trial design and simulation, pharmacometrics/systems pharmacology

Trainees

- **Shruti Balvati, AuD**, University of Cincinnati, Cincinnati, OH
- **Aniruddha Deshpande, AuD**, University of Cincinnati, Cincinnati, OH
- **Alaaeldin Elsayed, MD, AuD**, Missouri State University, Springfield, MO
- **Rola Farah, PhD, CCC-A**, University of Cincinnati, Cincinnati, OH
- **Dobrinka Georgieva, PhD**, University of Bulgaria, Bulgaria
- **Maria Golla, MSP, CCC-SLP**, University of Cincinnati, Cincinnati, OH
- **Edith Morris, MSN, PhD**, University of Cincinnati, Cincinnati, OH
- **Yingying Wang, ,** University of Cincinnati, Cincinnati, OH
- **J'ai Watson , MS**, University of Cincinnati, Cincinnati, OH
- **Yang-soo Yoon, PhD**, House (Ear) Research Institute, Los Angeles, CA

- **Stephanie Zacharias, AuD, PhD**, University of Cincinnati, Cincinnati, OH

Division Collaboration

Noise reduction on Inpatient Units (Nancy Daraiseh, PhD)

Heart Institute » Angela Kinstler

Patient Services Informatics » William Vidonish

Patient Reported Errors (Nancy Daraiseh, PhD)

Biostatistics and Epidemiology » Maurizio Macaluso, MD, DPH

James M. Anderson Center for Health Systems Excellence » David Hartley, PhD, MPH and Kathleen Walsh, MD, MSC

Barriers and Facilitators of adverse event reporting by patients/families (Nancy Daraiseh, PhD)

Social Services » Payal Sawhney

James M. Anderson Center for Health Systems Excellence » Kathleen Walsh, MD, MSC

Clinical Supervision (Nancy Daraiseh, PhD)

Patient Services - College Hill » Adam Knight Hill

Patient safety research in NICU development team (Heather Tubbs Cooley, PhD, RN)

Biomedical Informatics » Yizhao Ni, PhD

James M. Anderson Center for Health Systems Excellence » Kathleen Walsh, MD, MSC

Section of Neonatology, Perinatal and Pulmonary Biology » Kristin Melton, MD

Pediatric voice outcomes after airway reconstruction (Dimitar Deliyski, PhD)

Otolaryngology » Alesandro De Alarcon, MD, MPH

Vibratory features of supraglottal phonation (Dimitar Deliyski, PhD)

Otolaryngology » Charles Myer IV, MD

Access to pediatric voice therapy: a telehealth solution (Dimitar Deliyski, PhD)

Biostatistics & Epidemiology » Meredith Tabangin

Otolaryngology » Alesandro De Alarcon, MD, MPH and Lisa Kelchner, PhD

Speech-Language Pathology » Janet Beckmeyer and Stephanie Zacharias

Physical Medicine and Rehabilitation » Shari Wade, PhD

Information Services » Brian Hicks

Clinical assessment of pediatric vocal fold vibration (Dimitar Deliyski, PhD)

Speech-Language Pathology » Stephanie Zacharias

Evaluation of electrophysiology and psychoacoustics in children with single sided deafness. (Andrew Dimitrijevic, PhD)

Otolaryngology » Daniel Choo, MD, PhD

Objective measures of speech perception in people with cochlear implants Collaborative Division with names.

(Andrew Dimitrijevic, PhD)

Otolaryngology » Daniel Choo, MD, PhD

Evaluation of electrophysiology and psychoacoustics in children with known genetic disorders of vision. (Andrew Dimitrijevic, PhD)

Human Genetics » Huang Taosheng, MD, PhD

Noise exposure and physiologic measures of cochlear function (Lisa Hunter, PhD)

Sports Medicine » Greg Myer, PhD

Biomedical Informatics » Lily Ding, PhD and Resmi Gupta

Objective measures and outcomes for cochlear implants (Lisa Hunter, PhD)

Audiology » Mike Scott

Otolaryngology » Daniel Choo, MD, PhD

Vestibular assessment in children: Normative aspects and results in children with Enlarged Vestibular Aqueduct (EVA). (Lisa Hunter, PhD)

Audiology » Violette Lavender, AuD and Kay Bachmann, PhD

Otolaryngology » John Greinwald, PhD and Jeffrey Kuhn, MD

Biostatistics and Epidemiology » Jareen Meinzen-Derr, PhD

Wideband translational tests for prediction of middle ear, cochlear and neural hearing loss (NIH R01) (Lisa Hunter, PhD)

Otolaryngology » Sally Shott, MD and Dan Choo, MD, PhD

Biostatistics and Epidemiology » Jareen Meinzen-Derr, PhD

Women, Infant and Children (WIC) and Early Hearing Detection and Intervention (EHDI) to improve loss to follow up for newborn hearing screening (Place Award and CDC grant) (Lisa Hunter, PhD)

Audiology » Kelly Baroch, AuD

Developmental and Behavioral Pediatrics » Susan Wiley, MD

Emergency Medicine » Lisa Vaughn, PhD

Biostatistics and Epidemiology » Jareen Meinzen-Derr, PhD

Section of Neonatology, Perinatal and Pulmonary Biology » Scott Wexelblatt, MD

Otolaryngology » Dan Choo, MD, PhD

Development of childhood testing and training technology (David Moore, PhD)

Biomedical Informatics » John Stullenberger

Evaluation of listening difficulties in children (David Moore, PhD)

Audiology » Lisa Hilbert, AuD

Statistical aspects of childhood hearing problems (David Moore, PhD)

Biomedical Informatics » Lily Ding, PhD

Structural MRI investigations of listening difficulty in children (David Moore, PhD)

Radiology, Pediatric Neuroimaging Research Consortium » Weihong Yuan, PhD

Using eye movements to measure hearing in infants (David Moore, PhD)

Neurology, Pediatric Neuroimaging Research Consortium » J. Adam Wilson, PhD

Reading & Literacy Discovery Center (Scott Holland, PhD and Tzipi Horowitz-Kraus, PhD)

Communication Sciences Research Center » David Moore, PhD

General and Community Pediatrics » Thomas Dewitt, MD, Director and John Hutton, MD

Speech Language Pathology » Ann Kumer, PhD, SLP-CCC, ASHA, Carol Grasha, and Rachelle Schmitz

Psychiatry » Richard Gilman, PhD

Grants, Contracts, and Industry Agreements

Grant and Contract Awards	Annual Direct
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BAILES, A

Six Month Follow-up of Functional Electrical Stimulation Neuroprosthesis in Children with Hemiplegic Cerebral Palsy

Ohio Physical Therapy Association

10/01/13-09/30/14

\$1,600

COURTER, J

Implementation of Antimicrobial Stewardship Interventions in Children's Hospitals using Benchmarking

Pfizer, Inc.(Children's Mercy Hospital)

09/01/13-08/31/15

\$14,563

DARASEH, N

Just-in-Time Methods for Understanding Near-Misses, Injuries & Risk Factors

National Institutes of Health

R21 OH 010035

09/01/13-08/31/15

\$132,439

DELIYSKI, D

Access to Pediatric Voice Therapy: A Telehealth Solution

Agency for Healthcare Research and Quality(University of Cincinnati)

R21 HS 021781

09/30/12-09/29/14

\$43,681

HAWKINS, D

Palliative Cancer Care: Music Video for AYA-Parent Communication and Resilience

National Institutes of Health(Indiana University)

R01 CA 162181

06/01/14-05/31/15

\$28,971

HUNTER, L

Collaboration between WIC and EHDI to Improve Follow-up of Newborn Hearing Screening in Greater Cincinnati

Centers for Disease Control and Prevention(University of South Carolina)

U01 DD 001007

10/01/13-09/30/15

\$93,704

Wideband Clinical Diagnosis and Monitoring of Middle-Ear and Cochlear Function

National Institutes of Health(Boys Town National Research Hospital)

R01 DC 010202	09/01/09-08/31/14	\$161,063
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JAEGER, S**HMG Hospital Based Regional Child Find**

Ohio Department of Health

10/01/12-09/30/17	\$42,700
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PICKLER, R**Patterned Experience for Preterm Infant**

National Institutes of Health

R01 NR 012307	01/01/12-02/29/16	\$274,698
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RIEHLE, E**Project SEARCH Augmented for Youth with ASD**

New York Collaborates for Autism

01/01/14-12/31/14	\$65,000
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RUTKOWSKI, S**Project SEARCH Training Institute Curriculum Development**

Mitsubishi Electric American Foundation

02/25/14-12/31/14	\$43,478
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Transition Options in Postsecondary Settings for Students with Intellectual Disabilities

US Department of Education(Ohio State University)

04/01/12-09/30/15	\$22,222
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YOON, Y**Electric-Acoustic Stimulation and Neurological Measure**

National Organization for Hearing Research

07/01/13-06/30/14	\$20,000
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Current Year Direct	\$944,119
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Total	\$944,119
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