New Century Scholars Research Grant Recipients

**2017**

**Eric Bielefeld**  
Associate Professor  
Ohio State University  
*Identifying an Interaction Between Kanamycin, Anti-Retroviral Medications, and Noise Exposure on Hearing Loss*

**Kasia M. Bieszczad**  
Assistant Professor  
Rutgers University  
*An Epigenetic Role in the Persistence of Memory for Significant Sounds*

**Jean K. Gordon**  
Associate Professor  
University of Iowa  
*Fluency Forward: Developing a More Reliable and Clinically Useful Assessment of Fluency in Aphasia*

**Raksha M. Mudar**  
Assistant Professor  
University of Illinois at Urbana-Champaign  
*Cognitive and Neural Alterations in Age-Associated Hearing Loss*

**Laury Zipse**  
Associate Professor  
MGH Institute of Health Professions  
*A Neurophysiological Examination of Feedback-Based Learning in Severe Traumatic Brain Injury*

**2016**

**Awarded $25,000 each**

**Elizabeth Spencer Kelley**  
Assistant Professor  
University of Missouri  
*Explicit Word Learning of Preschool Children With Specific Language Impairment*

**Kara C. Schwartz-Leyzac**  
Clinical Instructor/Research Audiologist  
University of Michigan  
*Effects of Aging on Spectro-Temporal Processing in Speech Among Adult Cochlear Implant Recipients*
2015

Awarded $10,000 each

Sudha Arunachalam
Assistant Professor
Boston University
Verb Processing and Verb Acquisition in Late Talking Toddlers

Jason W. Bohland
Assistant Professor
Boston University
The Transcriptional Landscape of Genes Implicated in Speech and Language Disorders

Jonathan S. Brumberg
Assistant Professor
University of Kansas
Evaluating Control of Commercial AAC Devices via Brain-Computer Interface by Individuals With Neuromotor Deficits

Christi W. Miller
Lecturer/Research and Clinical Audiologist
University of Washington
Predicting Hearing Aid Success With Spectro-Temporal Modulation Sensitivity
Support provided by the Wayne and Marilyn Olsen Audiology Research Fund

Jun Wang
Assistant Professor
University of Texas at Dallas
Test of a Real-Time Silent Speech Interface With Individuals After Laryngectomy

2014

Awarded $10,000 each

Kaitlin Lansford
Assistant Professor
Florida State University
Use of Crowdsourcing to Assess the Ecological Validity of Perceptual Learning Paradigms in Dysarthria

Chaleece W. Sandberg
Assistant Professor
Pennsylvania State University
Graph Theoretical Analysis of Resting State and Task-Based Functional Connectivity in Persons With Aphasia and Age-Matched Neurologically Healthy Adult
2013

**Awarded $10,000 each**

Michelle Renee Ciucci  
Assistant Professor  
University of Wisconsin-Madison  
*Time Course and Pathology of Cranial Sensorimotor Deficits in Parkinson Disease*

Kathryn Connaghan  
Research Scientist  
Northeastern University  
*Prosodic Categories in Speakers with Dysarthria Due to Cerebral Palsy*

Jamie Desjardins  
Research Assistant Professor  
Syracuse University  
*The Effect of Hearing Aids on Cognitive Function in Middle-Aged Adults*

Yu-Hsiang Wu  
Assistant Professor  
University of Iowa  
*Psychometric Functions and Adaptive Testing Procedures for the Dual-Task Paradigm*  
New support provided by the Wayne and Marilyn Olsen Audiology Research Fund

2012

**Awarded $10,000 each**

Ling-Yu Guo  
Assistant Professor  
University at Buffalo  
* Acquisition of Tense Markers in English-speaking Children with Cochlear Implants: The Role of Speech Perception and Working Memory*

Benjamin Hornsby  
Assistant Professor  
Vanderbilt University  
*Fatigue and Listening: Quantifying the Relationship between Speech Processing and Mental Fatigue*

Cara Stepp  
Assistant Professor  
Boston University  
*Improving the Reliability of Estimates of Voice Relative Fundamental Frequency*
2011

**Awarded $10,000 each**

**Jeffrey J. Berry**  
Assistant Professor, Marquette University  
*Speech Adaptation in Dysarthria: Effects of Real Time Articulatory Resynthesis*

**Peggy Jacobson**  
Associate Professor, St. John's University  
*Comparing Language Screening Procedures for Children from Diverse Language Backgrounds*

**Raul Rojas**  
Postdoctoral Research Fellow, The University of Texas at Dallas  
*Bilingual Language Growth in Structured English Immersion and Transitional Bilingual Education Programs*

**David Zajac**  
Associate Professor, The University of North Carolina at Chapel Hill  
*Effects of Feeding Plates on Oral Motor Coordination of Infants with Unrepaired Cleft Palate*

2010

**Awarded $10,000**

**Rita Patel**  
Assistant Professor, University of Kentucky  
*Clinical Measurement of Spatiotemporal Disturbance of Fine Motor Movements in Adductor Spasmodic Dysphonia*

2009

**Awarded $10,000 each**

**Edwin Maas**  
Research Associate, University of Arizona  
*Feedback and Feedforward Control Mechanisms in Apraxia of Speech*

**Kathleen McNerney**  
Research Assistant Professor, University of Buffalo  
*Learning Effects and the Sensory Organization Test (SOT): Influence of a Unilateral Peripheral Vestibular Impairment*

**Diane Ogiela**  
Postdoctoral Research Fellow, The University of Texas at Dallas  
*Syntactic Processing of Agreement Violations by Children with Language Impairment and their Typically Developing Peers: An Event–Related Potentials Study*

**Beate Peter**  
Postdoctoral Research Associate, University of Washington  
*Genetic Substrates of Speech Sound Disorder: Testing Three Novel Hypotheses*
Lisa Potts
Research Instructor, Washington University School of Medicine in St. Louis
Measurement of Speech-Evoked Auditory Brainstem Responses in Hearing-Impaired Adults with Different Forms of Amplification

McKay Sohlberg
Associate Professor, University of Oregon
Reading Comprehension Deficits in People with Acquired Brain Injury

Erin Wilson
Honorary Fellow, University of Wisconsin-Madison
The Development of Chewing: A Longitudinal Reference Database

2008

Awarded $10,000 each
Jungmee Lee
Assistant Professor, University of Arizona
Correlation Between Cochlear Tuning and Otoacoustic Emissions: Exploring Scientific and Clinical Implications

Chang Liu
Assistant Professor, University of Texas at Austin
Auditory Processing: Comparing Phonologically Disordered and Typically Developing Children

John McCarthy
Assistant Professor, Ohio University
Improving Auditory Scanning Interfaces in AAC Devices

Valeriy Shafiro
Assistant Professor, Rush University Medical Center
Effects of Environmental Sound Training on the Perception of Environmental Sounds and Speech in Cochlear Implant Patients

2007

Awarded $10,000 each
Jessica A. Barlow
San Diego State University
Typological Variation in Phonetic Inventory Development

Melissa C. Duff
University of Iowa
Effect of an Impaired Somatic Marker System on the Use of Involvement Strategies in Communication Following Bilateral Ventromedial Prefrontal Cortex Damage
Liat Seiger-Gardner  
Lehman College, The City University of New York  
*The Effects of Phonologically Related Distractors on Phonological Processing in Preschool Children*

Mahalakshmi Sivasankar  
Purdue University  
*Characterizing Vocal Fold Collagen with Atomic Force Microscopy: Implications for Bioimplants and Bioengineered Vocal Folds*

2006

**Awarded $10,000 each**

**Cathy Binger**  
University of New Mexico  
*The Effects of a Grammar Intervention Program for Children who Require AAC*

**Jill E. Preminger**  
University of Louisville Research Foundation, Inc.  
*Development and Evaluation of Audiologic Rehabilitation Programming for Significant Others of Individuals with Hearing Loss*

**Geralyn R. Timler**  
University of Buffalo  
*Clinical Markers of Language Impairment (LI) in Young Children with ADHD*

**Nathan V. Wellham**  
*University of Wisconsin School of Medicine and Public Health*  
*Proteomic Mapping of the Vocal Fold Extracellular Matrix*

**Krista M. Wilkinson**  
Emerson College  
*Interdisciplinary Exploration of Visual-Perceptual Processes in the Design of Aided AAC Symbol Displays*

2005

**Awarded $10,000 each**

**Angela Hein Ciccia**  
Case Western Reserve University  
*Behavioral and Neural Network Analysis of Social Information Processing in Older Adolescents Following Severe Traumatic Brain Injury*

**Tracy S. Fitzgerald**  
University of Maryland, College Park  
*DPOAE Mechanisms and the Estimation of Hearing Loss*
Katherine C. Hustad  
University of Wisconsin-Madison  
*Improving Intelligibility in Speakers with Moderate and Severe Dysarthria through Fundamental Frequency Manipulations*

Gloria Soto  
San Francisco State University  
*The Effect of Narrative Intervention on the Stories Told by Children Who Use Augmentative and Alternative Communication Systems*

2004

**Awarded $10,000 each**  
Bharti Katbamna  
Western Michigan University  
*Assessing the Role of Connexin 43 Gene in Hearing via RNA Interference*

Karla K. McGregor  
Northwestern University  
*Individual Differences in Children's Use of Social Cues to Aid Word Comprehension*

2003

**Awarded $10,000**  
Swathi Kiran  
University of Texas at Austin  
*Effect of Semantic Complexity on Treatment of Lexical Access Deficits in Aphasia*