New Century Scholars Research Grant Recipients

2018

Awarded $25,000 each

Sriram Boothalingam
Assistant Professor
University of Wisconsin–Madison
*One Stone, Three Birds: A Concurrent Clinical Test of Cochlear, Middle Ear Muscle Reflex, and Medial Olivocochlear Reflex Function*
Support provided by the Wayne and Marilyn Olsen Audiology Research Fund

Elizabeth Erickson DiRenzo
Assistant Professor
Stanford University
*Development of Model Systems to Investigate the Laryngeal Health Effects of Electronic Nicotine Delivery Systems (ENDS)*

Hua Ou
Visiting Assistant Professor
Wayne State University
*Will Optimized Written Instructions be as Effective as Audiological Service for OTC Hearing Device Users?*

Stephanie Ries-Cornou
Assistant Professor
San Diego State University
*Word Retrieval in Spanish-English Bilinguals After Stroke*

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. Schwart-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*