

New Century Scholars Research Grant Recipients

2019

Awarded \$25,000 each

Pasquale Bottalico

Assistant Professor

University of Illinois at Urbana–Champaign

Classroom Acoustics for Enhancing Students' Understanding When a Teacher Suffers From Voice Problems

Frances Sayako Earle

Assistant Professor

University of Delaware

The Use of Polysomnography to Track Perceptual Memory Consolidation in Adults With Developmental Language Impairment

Jennifer Mozeiko

Assistant Professor

University of Connecticut

Quantifying Communication in the Home Environments of People With Aphasia

Ignatius S. Nip

Associate Professor

San Diego State University

Quantifying Tongue Movement After Radiation Therapy in Patients With Oropharyngeal Cancer

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

Awarded \$25,000 each

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

Lauryn 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