

T32 PROGRAM FACULTY

RESEARCH FOCUS	BASIC BIOMEDICAL SCIENCE	TRANSLATIONAL	CLINICAL	BEHAVIORAL SCIENCE
Hearing	Gratton Mechanisms controlling inner ear homeostasis			
Hearing	Hirose Innate immunity of inner ear			
Hearing	Lichtenhan Physiology and pathophysiology of the cochlear apex			
Hearing	Rutherford Physiology of auditory afferents and synapses			
Hearing	Salt Mechanisms of inner ear fluid regulation			
Hearing	Sheets Formation and maintenance of hair-cell synapses			
Hearing	Warchol/Program Co-Director Sensory regeneration			
Hearing		Buchman/Internal Advisory Committee Utility of auditory evoked cortical responses; ECOG as an indicator of cochlear trauma		
Hearing			Davidson Perceptual and cognitive abilities impact benefits of sensory devices for hearing- impaired children	
Hearing			Firszt Cochlear implant; unilateral hearing loss	
Hearing		Lieu/Internal Advisory Committee Unilateral hearing loss (children)		
Hearing		Ortmann Cochlear trauma, NIHL secondary to skull-based surgery		
Hearing/Smell		Piccirillo/Program Director Neurobiology of tinnitus; tinnitus treatment; clinical trials		
Balance	Ornitz Molecular, genetic and biochemical study of inner ear development			
Balance	Blazquez Central mechanism of dizziness			
Balance	Yakusheva Role of the vestibulocerebellum in vestibular signal processing and spatial navigation			
Voice, Speech, Language	Paniello Vocal cord innervation and treatments for vocal cord paralysis			
Voice, Speech, Language			Peelle Aging, cognitive ability, brain structure, and language processing	
Voice, Speech, Language			Tye-Murray Audiovisual speech perception	
Immune Function	Dunn Interaction of developing tumors and the immune system			
Chronic Disease			King Determine factors related to daily function for children with chronic disease	