

**Short-Term Research Training Program for Au.D. Students  
Program in Audiology and Communication Sciences  
Washington University School of Medicine in St. Louis, Missouri**

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*“My experience with the T-35 traineeship exceeded all expectations. The faculty and staff at Washington University were welcoming and open to answer questions. They were extremely helpful and allowed me to work with them while working on their projects as well as provided insightful input for my project. I would not trade this experience for anything.”*

*-T35 Trainee*

**Overview of the Program:** The Program in Audiology and Communication Sciences (PACS) at Washington University School of Medicine, with funding from a grant from the NIH (NIDCD), is soliciting applications from Au.D. students for a 3-month, full-time (40 hours per week), research experience in basic, applied, and clinical sciences related to hearing and balance. Each Au.D. student will be involved in a specific research project, working with one of approximately 26 investigators conducting research related to audiology.

Up to five students will be selected and matched with a mentor according to the students' interests and mentor availability. The traineeship includes:

- Weekly journal clubs, research seminars, and courses on responsible conduct in research
- Access to all Program faculty for informal discussions and consultations
- Stipend of \$1948/month for 3 months over the summer

**Eligibility:** This program is restricted by the NIH to students pursuing the Au.D. degree. According to the NIH rules associated with these traineeships, students must be able to participate full time for 3 months in order to be eligible for this program. The trainee must also be a U.S. citizen or must have permanent residency status. Students on J or F training visas are not eligible for NIH training support. Students from accredited residential Au.D. programs are eligible to apply.

**Housing:** Housing is available at the Olin Residence Hall, located on the School of Medicine campus just two blocks from the laboratories related to the program. Summer apartment rentals in the area may also be available. Contact our office ([fisherbet@wustl.edu](mailto:fisherbet@wustl.edu)) or visit <https://mdadmissions.wustl.edu/student-life/housing/> for more information.

**Application Process:** Interested Au.D. students should send the following: 1) Personal statement outlining career development goals and value of the short-term research traineeship, 2) Completed application form, 3) Curriculum Vitae/Resume, 4) Letter from Program Chair giving approval for student to apply for traineeship, and 5) Recommendation letter from student's advisor/mentor. (Items #4 and #5 could be combined into one letter from Program Chair.)

Applications are due by January 15, 2017, and may be sent via email or U.S. mail to:

Attention: William W. Clark, Ph.D.  
Program Director, Program in Audiology and Communication Sciences  
660 S. Euclid Ave, Campus Box 8042  
St. Louis, MO 63110  
Email: [clarkw@wustl.edu](mailto:clarkw@wustl.edu) / Phone: 314-747-0104

**Additional Information:** Additional information about the T35 Research Training Program and the Au.D. Program at Washington University can be found by accessing the following links:

Program in Audiology and Communication Sciences (PACS): <http://pacs.wustl.edu/>

T35 Program: <http://pacs.wustl.edu/programs/doctor-of-audiology/research-training-opportunities/>

Washington University School of Medicine: <http://medschool.wustl.edu/>

Department of Otolaryngology-Research: <http://oto.wustl.edu/Research>

**Executive Committee Members:**

William W. Clark, Ph.D., Program Director

L. Maureen Valente, Ph.D., Director of Audiology Studies

Jill B. Firszt, Ph.D., Director, Cochlear Implant and Hearing Loss Research Laboratory

### **Selected Participating Investigators and Research Laboratories**

<a href="#"><u>Pablo Blazquez, Ph.D.</u></a>	Plasticity mechanisms in the vestibular system: vestibular compensation, and adaptation of the vestibulo-ocular reflex, Morphophysiology of the vestibular system.
<a href="#"><u>Richard Chole, M.D., Ph.D.</u></a>	Pathophysiology of destructive diseases of the middle ear including cholesteatoma, chronic otitis media, otosclerosis; cellular and molecular mechanisms of bone resorption and modeling.
<a href="#"><u>Lisa Davidson, Ph.D.</u></a>	Speech perception; cognition and language development in children with cochlear implants and hearing aids; optimizing cochlear implants and hearing aids for children.
<a href="#"><u>Brian Faddis, Ph.D.</u></a>	Cellular and molecular mechanisms of auditory sensitivity and how sensitivity is affected by tissue damage in the central and peripheral mammalian auditory system due to age, noise and ototoxin exposure.
<a href="#"><u>Jill B. Firszt, Ph.D.</u></a>	Effects of asymmetric or unilateral hearing loss in adults and children, behavioral outcomes following cochlear implantation, optimization of bilateral input using different modes of hearing.
<a href="#"><u>Joel Goebel, M.D.</u></a>	As Medical Director of the WUSM Department of Otolaryngology's Dizziness and Balance Center, Dr. Goebel's interests lie in clinical research with patients who demonstrate disorders of the vestibular and balance systems.
<a href="#"><u>Keiko Hirose, M.D.</u></a>	Cochlear inflammation and mononuclear phagocytes in repair of the damaged cochlea.
<a href="#"><u>Johanna Nicholas, Ph.D.</u></a>	Cochlear implantation and language development.
<a href="#"><u>Kevin Ohlemiller, Ph.D.</u></a>	Environmental and genetic determinants of age- and noise-induced hearing loss; mechanisms of cochlear injury; regulation of oxidative radicals in the mammalian cochlea.
<a href="#"><u>David Ornitz, M.D., Ph.D.</u></a>	In vivo functions of Fibroblast Growth Factor (FGF) signaling and their interactions with other signaling pathways.
<a href="#"><u>Jonathon Peelle, Ph.D.</u></a>	How the brain understands speech, and how this is affected by changes in cognitive and hearing ability.
<a href="#"><u>Jay Piccirillo, M.D.</u></a>	Mechanisms of tinnitus, clinical epidemiology, evidence-based practice.
<a href="#"><u>Mitch Sommers, Ph.D.</u></a>	Aging and Development; Behavior Brain & Cognition.
<a href="#"><u>Nancy Tye-Murray, Ph.D.</u></a>	Discourse comprehension of older adults, visual acuity and auditory perception in geriatric patients.
<a href="#"><u>Rosalie Uchanski, Ph.D.</u></a>	Factors affecting speech discrimination in children with cochlear implants.
<a href="#"><u>Mark Warchol, Ph.D.</u></a>	Hair cell and neuronal development and regeneration in the avian auditory and vestibular organs; programmed cell death in the auditory and vestibular system; immune influences on sensory regeneration