
Advanced Research Training in Otolaryngology Program (ARTOP)**Training Grant (T32 DC005356)**Gabriel Corfas, Ph.D., Director
Andrew Shuman, M.D., Co-Director**POST-DOCTORAL FACT SHEET****THE PROGRAM**

The Advanced Research Training in Otolaryngology Program (ARTOP) at the University of Michigan has provided research experiences supported by the National Institutes of Health (NIH) since 1987 for medical students, resident physicians and post-residency fellows. The UM Department of Otolaryngology-Head & Neck Surgery has a long history of pioneering research and will provide a stimulating and supportive environment to individuals interested in pursuing advanced research training and an academic career in Otolaryngology-Head & Neck Surgery. ARTOP is the only program providing an 18-month research opportunity to otolaryngology residents within a 6 year (including internship) residency program.

GOALS

The goal for the post-doctoral trainees on this training grant is to:

- Provide **18 months** of research training to one otolaryngology resident per year, to define and develop research to be continued as an academic faculty member, complemented by a structured didactic program in Clinical Research Design and Statistical Analysis for trainees interested in clinical research.
- Provide **1 year post-residency fellowships** for 2 trainees per year to complement their clinical subspecialty training. The opportunity to attend extramural or intramural conferences or educational courses relevant to the trainee's chosen research discipline will be provided.

ELIGIBILITY

All individuals supported by this grant mechanism must be US citizens or permanent residents holding a green card. Individuals on temporary or student visas are not eligible.

CRITERIA

- Academic credentials and strength of previous research training, if applicable.
- Strong interest in the areas of hearing, taste, smell, voice, communication disorders, neuroscience, and related cellular biology.
- Potential for future research and academic career as a clinical-scientist.

STIPEND SUPPORT

Post-doctoral trainees receive a stipend, travel to one meeting, and trainee-related expenses which includes health insurance according to NIH guidelines.

YOUR RESEARCH EXPERIENCE

Your research experience will include:

- Performing clinical or basic science research on a project of scientific significance in the area of hearing, taste, smell, voice, communication disorders, neuroscience, or related cellular biology.
- Formulating a research proposal for approval by the departmental Research Committee.
- Gaining scientific knowledge base and laboratory skills needed to prepare for and complete the research project.
- Preparing a manuscript/poster with research collaborators and pursue publication in a suitable peer-reviewed journal.
- Presenting research project at local and national meetings. Attend seminars and journal club meetings.
- For post-residency trainees, use the data obtained from the study to begin grant proposal preparation for extramural funding.
- Attending Clinician-Scientists meetings dedicated to topics such as writing grants, writing papers, reviewing papers and serving on editorial boards, presenting at meetings, running a laboratory, balancing clinic and research.

MENTORS

Mentors have been selected from our internationally-recognized faculty consisting of both basic and clinical researchers in a broad variety of disciplines. Many faculty mentors are themselves accomplished clinician-scientists who are in demand as research mentors. A complete list of mentors with links to their research can be found on the ARTOP website. Major focuses of research include:

- Molecular Genetics of Hearing and Hearing Loss
- Central Nervous System (CNS) Plasticity/Auditory Prostheses
- Tissue Bioengineering/Neural Regeneration
- Head and Neck Oncology