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. 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.

GOALS
The goal for the pre-doctoral trainees on this training grant are to provide 1 year research experiences for two (2) medical students interested in otolaryngology, in order to encourage pursuit of residencies that include research training and, ultimately, to promote academic careers.

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
- Quality of academic credentials and 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
Pre-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 presentation 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.
- 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. Choosing other mentors is permissible if able to demonstrate adequate funding to supplement the trainees and provide a sufficient mentoring experience. 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
## Advanced Research Training in Otolaryngology Program (ARTOP)

**Training Grant (T32 DC005356)**

### PRE-DOCTORAL APPLICATION FORM

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<thead>
<tr>
<th><strong>APPLICANT INFORMATION</strong></th>
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<tr>
<td>Name</td>
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<tr>
<td>Address</td>
<td>Email</td>
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<tr>
<td>City/State</td>
<td>Zip</td>
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<tr>
<td>Pre-doctoral Graduate Program</td>
<td>Pre-doctoral Advisor</td>
</tr>
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Please list other fellowships/programs you are currently applying to:

________________________________________________________________________________________________________________________________________

________________________________________________________________________________________________________________________________________

________________________________________________________________________________________________________________________________________

**RESEARCH ACTIVITIES**

<table>
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<tr>
<th>Name of ARTOP Mentor(s): See list of mentors on ARTOP website.</th>
<th>Have you received previous support from an Institutional NIH training grant? See below.*</th>
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ARTOP research project proposed with mentor names above. You may attach document as needed. 250 word limit.

List another mentor and project that you considered.

Pre-doctoral/Undergraduate Research Description. You may attach document as needed. 250 word limit.
If you have received support from an NIH training grant (see above), indicate the dates of support, the title of the grant or grant number.*

**ARTOP PRE-DOCTORAL APPLICATION DATES**

- Application Due Date: December 1
- Award Notice Date: February 1
- Start Date: July 1*

*other start dates are allowed if requested in advance, subject to NIH guidelines

**APPLICATION PROCEDURE**

A COMPLETE PRE-DOCTORAL APPLICATION CONSISTS OF THIS COMPLETED FORM AND THE FOLLOWING ADDITIONAL DOCUMENTS:

- A one page letter from the student describing interest in the ARTOP training program, career goals and the research training will help achieve those goals.
- One Letter of Recommendation
- Undergraduate and Graduate transcripts
- USMLE Step 1 Exam Scores
- A CV or list of previous publications, if any
- After a faculty mentor has agreed to sponsor a pre-doctoral application, the applicant must also submit a supporting letter from the proposed pre-doctoral research training mentor.

**SUBMISSION**

Inquiries and application materials should be sent by email, fax or mail to:

Advanced Research Training in Otolaryngology Program
Department of Otolaryngology
4605 Med Sci II
1150 W. Medical Center Drive
Ann Arbor, MI  48109-5616

PH:  734-763-5087
FX:  734-764-0014
ARTOP@med.umich.edu

**APPLICATION DUE DATE IS DECEMBER 1**