

# Staff Scientist - Otolaryngology - 43186

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## **EOE Statement**

Washington University is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, age, sex, sexual orientation, gender identity or expression, national origin, genetic information, disability, or protected veteran status.

## **Job Type/Schedule**

This position is full-time and works approximately 40 hours per week. Hours are generally normal business hours but may vary due to experimental protocols or other research activity deadlines.

## **Department Name/Job Location**

This position is in the Department of Otolaryngology. This position is for the Medical School Campus.

## **Essential Functions**

### **POSITION SUMMARY:**

The Puram Lab ([oto.wustl.edu/puramlab](http://oto.wustl.edu/puramlab)) is looking for a full time Staff Scientist to start March-July 2019. Position assists in developing and conducting research projects, including experimental design, data analysis and documentation of experimental results. Research interests broadly focus on head and neck cancers including squamous cell carcinoma, salivary malignancies, and other rare tumors. Ideal candidates will be looking for a place to grow, develop, and make serious contributions to science.

### **PRIMARY DUTIES AND RESPONSIBILITIES:**

1. Following instructions and discussions with principal investigator, designs research protocols, including developing procedures for the collection, verification and management of data.
2. Assists with grant preparation and reporting.
3. Performs complex statistical analysis of data collected and writes interpretative reports. Verifies the correctness of the data submitted and makes recommendations based on these analyses.
4. Documents research topics and prepares and submits papers based on research work to publications and committees for publication or presentation to peers.
5. Solves practical problems relating to difficulties with equipment. Suggests technical or procedural improvements in testing methods.
6. Conducts literature searches related to research project and integrates information into experimental design and project goals.
7. Assists with mentoring laboratory members as assigned, assuring appropriate study procedures, explaining policies and procedures and teaching scientific skills.
8. Research related focus will include:
  - Collection, processing, and preparation of primary tissue samples for single cell sequencing analyses
  - Tissue culture and cell line generation
  - Basic cloning (RNAi, CRISPR) and virus preparation
  - Functional experiments using matrigel, proliferation assays, and other *in vitro* assays
  - Biochemical analyses using western blot, qPCR, and co-IP

## **Required Qualifications**

Master's degree with 4 years of experience in research lab operations or equivalent combination of education and experience equaling 9 years required.

## **Preferred Qualifications**

- Prior experience working in research lab operations that includes molecular biology experience.
- Additional bioinformatics experience is a plus.
- Excellent oral and written communication skills.
- Excellent team player.
- Demonstrated ability to work independently and communicate with laboratory staff and investigators.
- Analytical, reasoning and problem solving skills.
- Ability to analyze and interpret statistical data and to communicate data in a clear, concise manner.
- Computer literacy including the ability to use a variety of software packages to analyze data.

## **Applicant Special Instructions**

Works in laboratory environment with potential exposure to biological, chemical and radioactive hazards. Must be physically able to wear protective equipment.

## **Salary Range**

The hiring range for this position is \$46,779 - \$63,170 annually.

## **Benefits**

This position is eligible for full-time benefits. Please visit our website at <http://hr.wustl.edu> to view a summary of benefits.