



UNIVERSITY OF WISCONSIN-MADISON
Position Vacancy Listing
PVL# 72499

Working title:

IMAGING RESEARCH SPECIALIST

Official title:

SR RESEARCH SPEC(T16BN) OR RESEARCH SPECIALIST(T16DN) OR ASSOC RESEARCH SPEC(T16FN)

Degree and area of specialization:

Bachelor degree in Anatomy, Biology, Zoology, Molecular biology or related field

Minimum number of years and type of relevant work experience:

A minimum of 6 months research experience in imaging and/or craniofacial anatomy preferred. Knowledge of the head and neck anatomy is required. Familiarity with imaging software including image rendering is essential. Solid knowledge of basic statistics is required.

The qualified individual will be one who is: sensitive to subject confidentiality issues, meticulous, analytical, reliable, independent but able to know when to seek assistance and/or supervision, and able to adapt to new situations as they emerge. Furthermore, this individual needs to have excellent interpersonal skills, excellent organization skills, and excellent oral and written communication skills.

Principal duties:

The Waisman Center is dedicated to the advancement of knowledge about human development, developmental disabilities, and neurodegenerative diseases. One of only 15 centers of its kind in the United States, the Waisman Center encompasses laboratories for biomedical and behavioral research, a brain imaging center, and a clinical biomanufacturing facility for the production of pharmaceuticals for early stage human clinical trials. In addition to its research efforts, the Center provides an array of services to people with developmental disabilities, offers numerous early intervention, educational, and outreach programs to young children and their families, and trains scientists and clinicians who will serve our nation in the future.

The Research Specialist will actively participate in research on the macroanatomic development of the vocal tract structures from medical imaging studies (MRI and CT) as a member of the Vocal Tract Development Laboratory at the Waisman Center. The ultimate goal of this research is to relate the development of the vocal tract anatomy to speech development i.e. to establish the biologic basis of speech development, production and its disorders.

The Research Specialist will be independently responsible for:

60% Perform the digital image transmission process to secure the images, generate 3D models of select oral and pharyngeal structures, and identify anatomic landmarks on the models or image slices in multiple planes to make various measurements (distance, angular, volumetric and surface area) on a predefined set of head and neck structures.

10% Use knowledge of the head and neck anatomy to independently select MRI & CT scans/cases /slices to be used in this research study.

5% Assist in the development of relevant measurements of vocal tract structures as indicated.

10% Write laboratory research notes and reports, develop graphs and figures, and assist in manuscript preparation.

10% Enter data for plotting and analysis, manage subject files and backup the images, maintain and update the imaging database, and maintain the bibliographic database EndNote.

5% Assume overall responsibility for laboratory maintenance (check supplies, maintain equipment, update the lab's website, and order needed items), and supervision of student hourly employees.

Additional Information:

A Criminal Background check will be performed.

Some evening hours and occasional weekend hours may be required.

A criminal background check will be conducted prior to hiring.

A period of evaluation will be required

Appointment type: Academic Staff
Department(s): GRAD/WAISMAN
Full time salary rate: **Minimum** \$28,524 ANNUAL (12 months)
 Depending on Qualifications
Term: This is a renewable appointment.
Appointment percent: 80% - 100%
Anticipated begin date: JANUARY 16, 2012
Number of positions: 1

TO ENSURE CONSIDERATION

Application must be received by: JANUARY 11, 2012

HOW TO APPLY:

Application Procedure:

To apply, send your CV plus a cover letter explaining your qualifications to: Houri K. Vorperian, Ph.D., vorperian@waisman.wisc.edu. If applying via e-mail, please specify in Subject Line: "PVL 72499 - Vocal Tract Development Lab: Imaging Research Specialist Position"

Unless another application procedure has been specified above, please send resume and cover letter referring to Position Vacancy Listing #72499 to

Houri Vorperian Phone: 608-263-5610
 1500 Highland Ave Fax: N/A
 Waisman Center Email: vorperian@waisman.wisc.edu
 Madison, WI 53705-2274

Relay Access (WTRS): 7-1-1 (out-of-state: TTY: 800.947.3529, STS: 800.833.7637) and above Phone number (See [RELAY_SERVICE](#) for further information.)

NOTE: Unless confidentiality is requested in writing, information regarding the names of applicants must be released upon request. Finalists cannot be guaranteed confidentiality.

UW-Madison is an equal opportunity/affirmative action employer. We promote excellence through diversity and encourage all qualified individuals to apply.

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