

OFFICIAL JOB DESCRIPTION

CLASSIFICATION/WORKING TITLE:**JOB CODE:****PAY RANGE:****RESEARCH ASSISTANT 2-B/H****7105****\$13.25/HOUR TO \$19.21/HOUR**

Job Description Summary

We are seeking **3** highly motivated Research Assistants 2-B/H to assist and support scientific investigations in the areas of **neuroscience and pathogenesis of auto-immune diseases (Alzheimer's disease, Chronic Fatigue Syndrome, pulmonary arterial hypertension)** in the *Dept. of Cancer Biology and Genetics*. The selected individuals will conduct assigned experiments; perform a variety of molecular, cellular, and biological research techniques and procedures including qPCR, gel electrophoresis, ELISA assays, cell culture and gene knock-down procedures, Northern and Western blot analysis; sort and process tissue and blood samples; test and evaluate current procedures; perform routine procedures on lab animals; record, consolidate and assist with analysis of research results; assist in evaluating validity of data obtained from experimental procedures; summarize data for inclusion in grant proposals and manuscripts; prepare research progress reports; assist principal investigator with the preparation of publications, manuscripts, articles, posters, and abstracts; conduct library research on requested topics through researching current literature; oversee and maintain accurate records of laboratory activities; assist with training of junior research staff, and undergraduate and graduate students in research methods and equipment operation; set up and operate laboratory equipment; monitor research supplies, including specimens, inventory and initiate procurement requests as needed.

Essential Duties

- 60%: Assists and supports scientific investigations as directed; independently conducts assigned experiments; performs a variety of molecular, cellular, and biological research techniques and procedures including qPCR reactions, gel electrophoresis, assays, cell cultures and Northern and Western analysis; sorts and processes tissue and blood samples; tests and evaluates current procedures and provides feedback to research team; performs routine procedures on lab animals; maintains and oversees transgenic mouse colonies; oversees and maintains accurate records of laboratory activities.
- 30%: Records, consolidates and assists with analysis of research results; assists in evaluating validity of data obtained from experimental procedures; summarizes data for inclusion in grant proposals, manuscripts and professional presentations; prepares research progress reports; assists principal investigator with the preparation of publications, manuscripts, articles, posters, and abstracts; conducts library research on requested topics through researching current literature.
- 10%: Assists with training of junior research staff, and undergraduate and graduate students in research methods and equipment operation; sets up and operates laboratory equipment; monitors research supply, including specimens, inventory and initiates procurement requests as needed; other duties as assigned.

Minimum Education, Skills and Experience Required

A Bachelor's degree in a biological/health science or an equivalent combination of education and experience is required. Ability to translate, adapt and apply academic or practical knowledge in the conduct of biological/health science research is required. Experience in a biological/health research capacity is required.

Position Type: Full-Time (40 h/week) for 1-2 years.

Applications should be submitted via email (maria.ariza@osumc.edu) as a single pdf document and include: (1) **Personal Statement** of research interests and goals. (2) **Curriculum Vitae** and (3) Contact information for 2 references. Review of applications will begin immediately and continue until the positions are filled.