



Research Specialist A/B – Vahedi Lab: University of Pennsylvania, Department of Genetics / Institute for Immunology/Epigenetics Institute

The Vahedi Lab is seeking a highly motivated Research Specialist A/B to join our dynamic research group studying the mechanisms of immune regulation. This position offers the opportunity to contribute to cutting-edge immunology and genomics research while supporting essential lab operations.

Key Responsibilities

- Independently manage day-to-day lab operations, including purchasing, ordering, and inventory.
- Process and prepare human pancreas tissue samples for downstream molecular analyses as part of the Human Pancreas Analysis Program (HPAP). Tissue processing occurs ~1/month and requires availability when a donor is confirmed.
- Breed, maintain, and genotype a medium-sized mouse colony.
- Maintain cell lines and perform primary cell culture.
- Ensure accurate record-keeping, data entry, and compliance with safety and biosafety regulations.
- Opportunities exist for independent research projects. Training in next-generation sequencing (NGS), coding, AI, and computational biology will be provided for motivated candidates.

Qualifications

Required

- B.S. in Biology, Molecular Biology, Biochemistry, or a related field.
- Minimum 1–2 years of laboratory experience or equivalent combination of education and experience including undergraduate research.
- Strong organizational skills, attention to detail, and ability to follow complex protocols.
- Reliability, self-motivation, and ability to work both independently and collaboratively.
- Comfort with cell-based research methods and mouse handling.

Preferred

- Advanced degree (M.S. or higher) with 2–3 years of research experience.
- Experience with molecular biology and genomics techniques.
- Prior work with human tissue processing, particularly immune-related tissues.

The Vahedi Lab applies systems biology and molecular approaches to understand gene regulation in the immune system. We are part of the Department of Genetics, Penn Epigenetics Institute and Institute for Immunology, providing a collaborative and stimulating environment for scientific growth. More details about the laboratory can be found at www.vahedilab.com

How to Apply: https://wd1.myworkdaysite.com/recruiting/upenn/careers-at-penn/job/Biomedical-Research-Building-2---3rd-Floor/Research-Specialist-A-B_JR00111111-1