

Researcher 2 – Morris Lab
The Hormel Institute
University of Minnesota

The Hormel Institute, University of Minnesota is seeking applications for the position Researcher 2 in the [Morris Lab](#). The successful candidate will assist in the research of the role of bone marrow cells in epithelial. They will be responsible for working closely with Dr. Rebecca Morris to provide knowledge and collaboration in regards to ongoing research.

The Hormel Institute is an independent biomedical research department within the University of Minnesota's Office of the Vice President for Research and an institutional partner of the Mayo Clinic (Rochester, MN). Founded in 1851, the University of Minnesota is among the largest public research universities in the country, offering undergraduate, graduate, and professional students a multitude of opportunities for study and research. As the only Carnegie R1 (Highest Research Activity) institution in Minnesota, the five campus University System comprises 25,000 employees and over 62,000 students.

Established in 1942, The Hormel Institute will soon be celebrating 80 years of innovative research that reflect our vision - "We inspire discoveries that improve and extend human life." Located in Austin, MN, The Hormel Institute is conveniently located 35 miles from Rochester (40 mins), MN, and 100 miles (1.5 hours) south of Minneapolis/St. Paul. The Hormel Institute offers a collaborative, innovative, supportive work environment where you will contribute to our vision and mission.

The Hormel Institute's biomedical research includes a focus on cancer research and the Institute is cutting edge, after tripling in size in 2008 and again doubling in size in 2016. The Hormel Institute continues to grow and expand to broaden our impact through innovative, world class research. Our scientists have full access to the most cutting-edge technologies including a cryo-electron microscope (Titan Krios and Tecnai G2 Spirit Biotwin), FACS, confocal microscopy, flow cytometry, protein crystallography robotics and defraction system, nano-HPLC-AB SCIEX triple TOF 5600 mass spectrometry, Leica tissue processor, embedder and microtome, real-time PCR instrumentation, 5 racks of Linux GPU supercomputers for computational biology and bioinformatics, spectrophotometers, and Western blot imagers.

Candidates should have completed a BS/BA degree in General Biology, Molecular Biology, or a related field. They should also possess a proven track record of successful independent work and ability to pick up on new techniques quickly in the areas of molecular, cellular, or histopathological procedures. In addition, candidates will have experience with new and innovative models of collaboration and outreach as well as exceptional ethical values with a demonstrated commitment to diversity, equity, and inclusion.

Responsibilities:

- *60% Perform Experiments*
 - Harvest skin/blood/bone marrow/mammary glands from mice to be processed and embedded in O.C.T. compound or paraffin blocks for histopathology staining
 - Perform immunofluorescence staining on tissues to determine expression and/or localization of proteins of interest
 - Perform in vivo animal studies including tumor induction and promotion, skin and bone marrow stem cell assays, and sUV carcinogenesis experiments
 - Extract RNA/DNA/protein from cell cultured cells/single cell suspensions
 - Perform fluorescence activated cell sorting (FACS) with mouse and human blood and bone marrow
 - Perform RT-qPCR, gel electrophoresis, and Western Blot as needed

- *20% Animal Protocol Management*
 - Assist in drafting IACUC protocols
 - Obtain animals from specific IACUC protocol for coworkers for in vitro use in lab
 - Breed mice for experimental use and keep all records on all animal work
 - Work with and follow all IACUC and animal facility rules and regulations for lab
- *20% Lab Employee Mentor*
 - Coach and train new lab members and/or junior researchers to ensure smooth onboarding and compliance with institute and laboratory safety policies

Qualifications:

Required Qualifications

- BS/BA degree and one year of related experience or a combination of education and work experience to equal five years
- Ability to work independently and rapidly acquire new skills in conduct of molecular, cellular, or histopathological procedures
- Ability to work as part of a research team

Preferred Qualifications

- BS/BA degree in the field of General Biology, Molecular Biology, or related field is desired
- Two years of experience in mouse husbandry and/or histopathology preferred
- Experience with microscopy and imaging software is desired
- Must be able to work independently with limited supervision

Application: Applications will be reviewed on an ongoing basis until the position is filled. Applications should be made electronically through the University of Minnesota's Career website at <https://hr.myu.umn.edu/jobs/ext/344373> (job ID 344373).

Please submit the following documents online: a cover letter expressing interest in the position and addressing how your record meets the responsibilities and stated qualifications; a current CV/resume; and any related professional publications.

- If you have difficulty negotiating the electronic application process or to request an accommodation during the application process, please e-mail employ@umn.edu or call (612) 624-UOHR (8647).
- Questions regarding this position may be directed to Katie Crowley at crowl294@umn.edu

The University recognizes and values the importance of diversity and inclusion in enriching the employment experience of its employees and in supporting the academic mission. The University is committed to attracting and retaining employees with varying identities and backgrounds.

The University of Minnesota provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. To learn more about diversity at the U: <http://diversity.umn.edu>.