Postdoctoral Scientist: Genetic and Epigenetic Mechanisms of Transgenerational Inheritance

Marine Biological Laboratory | Woods Hole, MA

A postdoctoral research position is available in the laboratory of Dr. Kristin Gribble at the Marine Biological Laboratory, Woods Hole, MA. The Gribble lab studies the mechanisms and evolution of the biology of aging, and maternal and transgenerational effects on offspring phenotype. We use rotifers as a model system for our work. For more information about our lab's work, see gribblebiolab.org.

Qualified applicants will have the opportunity to study the genetic and epigenetic mechanisms of maternal age effects in a novel experimental model system, focusing on how a mother's age and physiology influence her offspring's health and lifespan. This NSF-CAREER funded research project will use genetic, genomic, biochemical, and bioinformatic approaches to elucidate the epigenetic and genetic mechanisms of transgenerational inheritance.

Applicants should possess a Ph.D. in molecular biology, cell biology, biochemistry, genetics, bioinformatics, or a related field. Individuals with experience in bioinformatic analysis of gene expression (RNA-Seq), epigenetic regulation (ATAC-Seq, CUT&RUN, Chip-Seq, histone modifications), and/or comparative genomics are particularly encouraged to apply. The ideal candidate will have a record of scientific rigor, productivity, and creativity; the ability to work independently and as part of a team; and a strong publication record. Excellent oral and written communication skills are required. Prior experience with working with rotifers is not necessary; candidates with experience with other experimental systems are encouraged to apply.

To apply, please submit:

- a cover letter with a brief description of your research experience and how your expertise will contribute to research on the mechanisms of parental effects and transgenerational inheritance
- a CV including a list of publications
- contact information for three references

Apply here: https://recruiting.ultipro.com/MAR1033MBL/JobBoard/4c3007c3-6354-41de-a13f-d95be60d91e9/OpportunityDetail?opportunityId=b3a9dd3a-3e09-4f91-9d71-f8011e9d28dc

Questions: Contact Kristin Gribble, kgribble@mbl.edu