



MOLECULAR RESEARCH LAB MANAGER

The lab of Melissa Mitchum is recruiting a Molecular Research Lab Manager to support an ongoing research program on molecular plant-nematode interactions. Research and managerial duties will span the molecular and plant nematology labs, starting immediately. The Mitchum Lab studies plant-nematode interactions using a diverse array of approaches from single cell to whole organism (nematode and plant). These include standard molecular biology, biochemistry and plant nematology approaches, as well as ‘omics approaches, CRISPR genome editing techniques, and high-throughput plant phenotyping for nematode resistance. We seek to understand the molecular mechanisms underlying nematode parasitism of host plants and how plants resist infection by nematodes. The Mitchum Lab is affiliated with the Department of Plant Pathology and Institute of Plant Breeding, Genetics, and Genomics, and a member of The Plant Center, which provides a vibrant community of plant researchers at UGA and frequent interactions with the broader plant community across campus.

Primary responsibilities will be to (1) conduct research to generate data for grants, manuscripts and collaborative projects, (2) order supplies and maintain lab equipment, (3) manage lab accounts, (4) ensure that lab safety practices are followed, (5) assist with nematode culture maintenance and care of plants, (6) provide training on lab equipment and methods to students and postdocs, (7) train and supervise undergraduate students.

Salary: Commensurate with qualifications, experience, and prevailing salary scale. Application deadline – until filled.

Preferred qualifications:

- M.S. or Ph.D. degree with at least two years of experience in molecular biology, molecular plant-microbe interactions, plant molecular biology/genetics, biotechnology, biochemistry, or a related life sciences field.
- Proficiency in DNA, RNA, and protein extraction; construct design and cloning; quantitative PCR and data analysis; RNAseq and analysis; use of statistic and bioinformatic tools; in situ hybridization methods; confocal microscopy; heterologous protein expression, protein purification and enzyme assays on purified proteins; Western blotting; plant transformation and tissue culture; crop and model systems
- Proficiency in written and spoken English
- Proven ability to work well with others

How to apply: <https://www.ugajobsearch.com/postings/115498>

For questions, please send an email to Melissa.Mitchum@uga.edu with a subject line of ‘Molecular Research Lab Manager’

<https://plantpath.caes.uga.edu/people/faculty/melissa-mitchum.html>

Lab Website: <https://site.caes.uga.edu/mitchumlab/>

Proposed Hire Date: January 2020

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