



Ph.D. or M.S. Assistantship in Flower Metabolomics

Application Review Begins: Wednesday, November 24, 2021

Application Deadline: Friday, December 15, 2021

Institution: Utah State University

Department/Division: Biology

Field: Flower metabolism

City: Logan, UT, United States

General Information: The Borghi Lab (<https://www.monicaborghi.com/>) is recruiting one motivated graduate student (Master or PhD) for Fall 2022 to study flower metabolism of bean species and the underlying molecular mechanism controlling floral traits. This research involves a combination of transcriptomics, computational work, molecular biology, and analysis of metabolites.

The Department of Biology at USU offers numerous opportunities for research and training. If you are interested in joining the Borghi lab for your graduate studies, become familiar with the department application deadlines and our recruitment event at https://biology.usu.edu/education/graduate-program/application_guideline. In addition, the Borghi lab is eligible for one **Presidential Doctoral Research Fellowship for Fall 2022**. Find requisites and deadlines at <https://research.usu.edu/pdrf/>

One hour far from Salt Lake City, USU is located in Logan, a vibrant and fast-growing city in northern Utah's Cache Valley. Situated between two mountain ranges and next to beautiful Logan Canyon, USU offers plenty of opportunities for outdoor recreation.

Qualifications/Requirements:

Candidates are expected to have:

- i. Bachelor and/or Master Degree in one of the following disciplines: Biology, Molecular Biology, Biochemistry, Life Sciences, Agriculture, Plant Science, or related.
- ii. Good knowledge of Chemistry/Stoichiometry/Biochemistry, Molecular Biology, and Plant Physiology.
- iii. A strong motivation, a deep sense of self-responsibility, be accountable, and trustworthy.

Responsibilities: The student will conduct independent research under the supervision of the PI and in collaboration with other lab members. This research involves a combination of transcriptomics, computational work, molecular biology, and analysis of metabolites.

Application Instructions: Applicants should email Dr. Monica Borghi (monica.borghi@usu.edu) before **December 15th** to indicate their interest in this position before officially applying. The email should include: CV, a one-page statement of research interest and achievements, and contacts for references. Please specify if you are interested in a Ph.D. or a M.S. degree, and if you qualify for the Presidential Doctoral Research Fellowship. Top candidates will be asked to formally apply.

Formal application (top candidates). Applications and required application materials must be submitted to the University by January 15th, 2022. More information about these requirements and the application process may be found at:

Master and PhD: https://biology.usu.edu/education/graduate-program/application_guideline

PhD (PDRF): <https://research.usu.edu/pdrf/>

Contact Name: Monica Borghi, monica.borghi@usu.edu