Colorado State University Program In Molecular Plant Biology

Biochemistry • Biofuels • Biotechnology • Breeding • Cell Signaling • Cell Biology • Clean Energy • Developmental Biology • Evolution • Genetics • Host-Microbe Interactions • Infectious Diseases • Pathology • Photosynthesis • Physiology • Phytoremediation • Rhizosphere Biology • Systematics • Synthetic Biology • Stress Physiology

The Program in Molecular Plant Biology (PMPB) at Colorado State University is an interdisciplinary graduate program that trains scientists in fundamentals of plant and molecular biology. Over 25 faculty with diverse research interests are members of the PMPB. Common to all these labs are the use and development of innovative molecular approaches to answer major questions in plant biology.

Graduate fellowships and stipends up to $30,000 per year are available through PMPB fellowships, Program in Research and Scholarly Excellence Fellowships, NSF-supported Biofuels Traineeships, Research Assistantships, Teaching Assistantships and other sources.

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Colorado State University is in Fort Collins, a city of approximately 130,000 residents located on the front range of Colorado, nestled between the Cache la Poudre River and the foothills of the Rocky Mountains. The varying geographies of the Rocky Mountains, the expansive plains as well as our local rivers and reservoirs provide ample opportunities for outdoor recreation and adventure. Because of this, along with its vibrant culture and business and financial prospects, Fort Collins is consistently ranked as a top place to live and work by outdoor.

The Program in Molecular Plant Biology (PMPB) at Colorado State University is an interdisciplinary program that integrates research and education in the fields of molecular biology, plant science, and related disciplines. The program aims to provide students with a comprehensive understanding of molecular processes in plants and to prepare them for careers in academia, industry, and government.

The PMPB is dedicated to providing opportunities for extensive and unique collaborations. For instance, the Colorado Center for Biorefining and Biofuels is a new collaborative research effort connecting members from the PMPB and larger CSU community with numerous additional academic and industry partners across the Colorado front range. These collaborations provide unique opportunities for PMPB faculty and students. For example, an NSF IGERT program was recently funded to support Biofuels research at CSU, including laboratories in the PMPB.

Frequently Asked Questions

Do I need to have a faculty advisor? Do I have to identify an advisor prior to applying?

All students in the PMPB have a faculty advisor who guides their academic and research programs. If you are already interested in a specific advisor, go ahead and contact that faculty member directly (contact information can be found on the PMPB website). Otherwise, in your first year in the Ph.D. program, you benefit from rotations through three laboratories of PMPB faculty in any participating department or college. Then you select an advisor and develop a research and academic program that best supports your thesis project.

Who should I contact for program information?

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How do I apply?

Easy, visit:
www.plantbiology.colostate.edu/Admissions/