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Translational plant sciences graduate program at the Ohio State University

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Critical issues in plant science and production require an interdisciplinary approach that integrates both basic and applied sciences. Research developed through these synergistic collaborations result in solutions that can be easily translated to solve real-world problems. The Translational Plant Sciences (TPS) Graduate Program at The Ohio State University offers an innovative 5-year PhD training experience designed for highly motivated students with the drive and passion necessary to do high-impact research in plant sciences. This program is supported by a powerful interdisciplinary group of advisory faculty working together to produce the next generation of global leaders in sustainable agricultural biotechnology. Laboratory rotations among faculty provide training opportunities highlighting interdisciplinary methods for plant research. The program goal is to engage TPS Fellows in actively exploring agricultural challenges through a tailored program of focused research experiences coupled with unique internship opportunities. Several current TPS Fellows are researching pest and pathogen interactions in soybean using genomic approaches, traditional breeding, functional genetics, and metabolomics, and have interned with companies such as Beck's Hybrids, Dow AgroSciences, and Arcadia Biosciences. The TPS program will continue to mentor future leaders while expanding our understanding of plant sciences.