Ph.D. Position Available in Plant Lipid Biochemistry
Department of Biology at East Carolina University

A Ph.D. position in Plant Lipid Biochemistry beginning fall 2019 is available in the newly established Horn lab within the Department of Biology at East Carolina University (ECU). Our lab focuses on investigating the roles of lipids in plant growth & development in response to dynamic environmental conditions. Ultimately, we want to utilize this knowledge to engineer healthier plants for improved environmental and human health. Research projects in the lab include investigating 1) lipid metabolism in oilseeds of diverse plant systems, 2) the dynamic accumulation and turnover of lipids in membranes and storage organelles, and 3) the impact of climate change on oilseed traits. Prospective students must have a B.S. (or M.S.) in biochemistry, biology, molecular biology, plant molecular sciences, or in related field. Previous research experience in any of these areas is highly preferable. The qualified candidate should be proficient in communication skills and work well in a collaborative environment. Our lab is committed to building a diverse team of researchers, contributing to an area of pride for ECU and our community, and therefore strongly encourages applications and inquiries from members of groups underrepresented in economics and the natural sciences. Additional information can be found online at http://blog.ecu.edu/sites/hornlab/.

East Carolina University (http://www.ecu.edu/) is the third largest campus in the University of North Carolina system with approximately 29,000 undergraduates and over 5,500 students pursuing graduate and professional degrees. The Department of Biology (http://www.ecu.edu/biology) holds a broad set of research interests in areas including biochemistry, developmental and molecular biology, biomedicine, genomics, biodiversity, coastal ecology, evolutionary biology, and science pedagogy. The Department offers a PhD as part of the Interdisciplinary Doctoral Program in Biological Sciences (IDPBS). The cross-disciplinary and integrative training approach emphasized in the doctoral and master’s degree programs (> 20 Ph.D. and 70 M.S. students currently enrolled) is the future of scientific research, and faculty are committed to providing graduate students with skills to be successful in a range of careers. Students will have ample opportunity to collaborate with other disciplines in neighboring departments, including but limited to those within the Chemistry, Engineering, and Physics Department as well as ECU’s Brody School of Medicine. To learn more about ECU and the city of Greenville visit http://blog.ecu.edu/sites/hornlab/ecu/.

Interested students should send a CV/resume, short statement of research interests, unofficial transcripts, and contact information for three references to Dr. Patrick Horn (hornp18@ecu.edu). Any questions can also be directed to this e-mail address. Review of applications will begin December 1. Priority admissions in the IDPBS are given to applications submitted by January 15.