

BioFrontiers - Biology Seminar

September 18, 2026; 2:30 PM

Life Sciences Building - A117



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Conservation Ecology in a Rapidly Changing World

Conservation ecology is the scientific discipline in which we study interactions among organisms and their environment and then apply our understanding of key ecological mechanisms and processes to preserve, manage or restore biodiversity and ecosystem integrity. In a rapidly changing world, conservation ecology is faced with challenges tied to the type, extent and rate of environmental change while simultaneously navigating social and economic realities that often do not align with ecological sustainability. Many such challenges become opportunities for research that can improve our understanding of ecological mechanisms, prioritization of conservation actions and forecasting future environmental scenarios. In this seminar, I will discuss key drivers of environmental change and opportunities for conservation ecology with a general focus on our research on imperiled fishes of the Southern Great Plains of North America and more specifically on the Brazos River in Texas.

