GUESS: Exploiting Unadapted Germplasm for Crop Improvement

DR. NIKHIL PATIL

Genetic Linkage Maps for Pecan from Genotyping By Sequencing (GBS) Data and Their Application to Refine the Next Pecan Reference Genome

NOLAN BENTLEY

ABOUT THE PRESENTERS

Dr. Nikhil Patil is a Postdoctoral Research Associate in Dr. Patricia Klein's lab working towards addressing the challenges faced in improving food security and advancing sustainable agriculture, with integrated solutions. His previous work was directed towards investigating the genetic basis of agronomically important traits such as disease resistance and salt tolerance in sorghum. His current research focuses on improving sorghum germplasm by introgressing genetic diversity and desirable traits from unadapted sorghum into elite public lines.

Nolan Bentley is a fourth year PhD student from Sugar Land, Texas under Dr. Patricia Klein in the Department of Horticultural Sciences. Nolan is developing genomics resources for pecan trees in collaboration with Dr. LJ Grauke of the USDA National Collection of Genetic Resources for Pecans and Hickories. These resources include genetic markers, genetic linkage maps, and the discovery of QTL associated markers.