

**Leveraging Public Plant Transformation Facilities and Modern
Genetic Engineering Tools for Accelerating Lab-to-Field Research in
Maize and Sorghum**

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Rapid advances in computational biology have created unprecedented opportunities to improve crop performance. However, the translation of computational and laboratory discoveries into field-ready innovations remains a major bottleneck – especially for vital crops such as maize and sorghum. This presentation examines how public plant transformation facilities, such as the Plant Transformation Core Research Facility (PTCRF) at the University of Nebraska – Lincoln (UNL) in combination with modern plant transformation and genetic engineering tools, experienced staff and multiple regulated field locations for in-field data collection can accelerate the lab-to-field pipeline and provide essential data for crop improvement.

If you would like to visit with Dr. Nathaniel Butler, please contact Dr. Prasad Parchuri at pprasad@ksu.edu.