

# NSF Plant Transformation Training Workshop



University of Rhode Island Plant Biotechnology Center

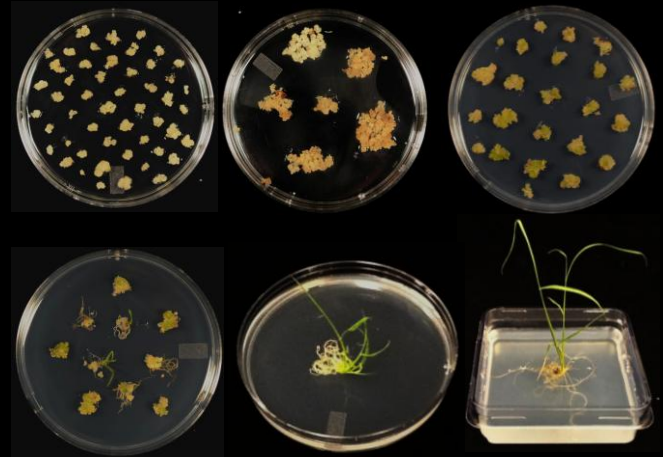
July 25-29, 2016

**Advancing Crop Transformation in the Era of Genome Editing.** Recently an NSF sponsored summit of plant biotechnology experts from government, industry and academics convened and reached the conclusion that resources dedicated to crop improvement must be increased in the US. Plant transformation has enabled fundamental insights into plant biology and revolutionized commercial agriculture. Unfortunately, for most crops, transformation and regeneration remains a significant bottleneck. To address this need we are offering a workshop focused on plant transformation.

**We are offering a five day advanced training workshop on plant transformation, with an emphasis on cereal crops**

**Lecture and laboratory experience:**

The workshop will focus on rice, maize and sorghum transformation including : media preparation, aseptic technique, plant tissue culture, tissue sampling, light and GFP microscopy, explant preparation, generation of somatic embryogenic callus, *Agrobacterium*-mediated gene transfer, biolistics, transient expression assays, selection of stable transgenics, and plant regeneration. All materials are prepared ahead of time and provided.



**Accommodations and Registration**

Attendees will be housed at the Whispering Pines Conference Center at The Alton Jones Campus of URI, including outstanding meals, and a short distance to the Plant Biotechnology Center. Registration is open immediately with limited attendance.



**Pricing:** The cost of the workshop is \$1,250 and includes all workshop materials & supplies, housing accommodations, & meals

This does not include airfare, transportation from the airport will be provided. Limited scholarships are available.

Applications are available, click on this link :

[NSF Plant Transformation Training Workshop Application Form](#)