

PI: Lynn Dahleen

PI's E-mail: Lynn.Dahleen@ARS.USDA.GOV

Project ID: FY12-EC-011

ARS Agreement #: NA

Research Category: EC-HQ

Duration of Award: 1 Year

Project Title: Accelerating Transformation Efforts for Barley.

PROJECT 5 ABSTRACT

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The goal of this project is to increase capacity for barley transformation. Current efforts have been curtailed by the lack of sufficient trained personnel to isolate embryo targets, prepare transformation constructs, conduct the particle bombardment transformation, transfer and select transformed calli, regenerate transgenic plants, and analyze the plants for the presence and expression of the transgene. Funding will be used to help pay part of the salary for a technician on a term appointment and for hourly students to help with routine tasks. This should help us increase our barley transformation capacity for the other barley transformation grants and allow us to add more genes to our transformation efforts.