

## Venue

All min-symposiums and hands-on laboratory practice will be held in Dr. H. Kaeppler's Laboratory in Department of Agronomy, University of Wisconsin-Madison (1575 Linden Drive, Madison, Wisconsin 53706, USA).

## Organizers, Instructors and Invited Speakers

Bronwyn Frame, Stanton Gelvin, BJ Haun, Heidi Kaeppler, Jennifer McMurray, Annie McGill, Tuyen Nguyen, Bill Thompson, François Torney, Kan Wang

National Science  
Foundation



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# MAIZE TRANSFORMATION WORKSHOP

For academic and industry  
researchers



March 07-10, 2005

Madison, Wisconsin, USA

## Maize Transformation Workshop

Maize transformation workshop instructors will guide you during hands-on experiments where you will learn plant tissue culture and genetic transformation techniques. More information will be given through mini-symposiums.

### Hands-on experiences in:

- *Agrobacterium*-mediated transformation
- Biolistic-mediated transformation
- Embryo dissection and type II callus culture initiation
- Transgenic event selection and regeneration
- Greenhouse care of transgenic and donor plants
- Analysis of transgenic plants and data management

### Mini-symposium:

- Factors involved in gene transfer and integration
- Factors involved in transgene silencing
- Alternative selectable markers and targeting tissue for transformation
- Non-tissue culture plant transformation
- And much more!....

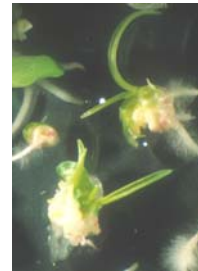


Maize type II callus

### Daily activities:

#### Day 1

After an introduction to maize transformation. You will practice biolistic transformation on maize embryos that you just dissected! You will then learn how to handle *Agrobacterium* for maize transformation. During the evening session participants will present a brief summary of their research and how it relates to maize transformation to the group. participants.



Regenerating plantlets from corn callus

#### Day 2

The morning session will consist of a step-by-step *Agrobacterium*-mediated transformation experiment. After lunch, you'll enjoy a greenhouse tour with pollination demonstrations and a lecture on transformation data management.

#### Day 3

The whole day will be dedicated to the mini-symposium: you will learn from experts on basic knowledge about the T-DNA transfer mechanisms of *Agrobacterium*, factors involved in transgene integration in the plant genome, and explore the possibility of using tissue culture independent methods for plant genetic transformation.

#### Day 4

Last day! After a short protocol review, we will focus on questions, details, and discussion. And last (but not least! ): the maize transformation quiz game!. Lots of fun and lots of prizes!

The last session ends before noon, you will then be able to head to Lake Geneva for the 47th Maize Genetics Conference.

### Application procedure:

Send application via e-mail to Dr. Kan Wang. The application should contain:

- a cover letter describing your current research activities and the relevance of maize transformation to your work;
- a complete and up-dated resume;
- a supporting letter (must be sent separately and directly) from the Principle Investigator (PI) who sponsors the trip.

Limited positions available (20 participants)  
Application deadline: January 14, 2005.

### Registration:

A fee of \$375.00 is charged to all non-academic participants (make payable to University of Wisconsin). The registration fee for academic participants is waived. The registration fee covers the maize transformation hands-on training courses, laboratory manuals, chemicals and supplies, a mini-symposium on genetic transformation, lunches and local shuttle transportation.

The selected participants and their PIs will be notified by February 15, 2005. Upon notification, please respond within 5-days indicating you will attend. If you fail to respond in time, or decline the participation, we will assign the space to other researchers on the waiting list.

### Register now!

### Contact information:

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