



Maize Transformation Workshop

The workshop:

The workshop starts at 8:00 am on Monday, March 10 and ends at noon on Thursday, March 13.

Monday	AM	Protocol overview, laboratory practice on embryo dissection, preparation for biolistic transformation
	PM	Biolistic transformation, <i>Agrobacterium</i> handling, callus culture identification, transformant recognition and review of pipelines, regeneration practice
	Evening	Round table research project introduction
Tuesday	AM	<i>Agrobacterium</i> -mediated maize transformation (step-by-step)
	PM	Greenhouse tour, controlled pollination demonstration, transformation database management
Wednesday	AM	Mini-symposium: Heidi Kaeppler: History of maize transformation – A review Stanton Gelvin: Manipulation of plant genes to effect better transformation in dicots: Will this work in maize? Bill Thompson: Trying to make transgenes behave: From gene silencing to MARs and back
	PM	Tom Clemente: Selectable marker genes: use and removal Shibo Zhang: Alternative explant material for maize transformation Andrew Bent: Non-tissue culture based transformation: Constructive Ideas and the Luck of Nature's Design Kan Wang: Assessment of maize transformants produced by the biolistic or <i>Agrobacterium</i> -mediated method
Thursday	AM	Protocol review, questions and discussion, alternative approaches, quiz and game (Who wants to be a maize transformer?) Workshop wrap up and leave for the 45 th Maize Genetics Conference

Venue:

All hands-on laboratory practice and mini-symposium will be held in the Kaeppler Laboratory in the Department of Agronomy, University of Wisconsin-Madison (1575 Linden Drive, Madison, Wisconsin 53706, USA, Phone: (608) 262-6521; E-mail: hfkaeppl@facstaff.wisc.edu).

Organizers, Instructor and Invited Speakers:

Andrew Bent, Tom Clemente, Bronwyn Frame, Stanton Gelvin, BJ Haun, Heidi Kaeppler, Jennifer McMurray, Annie McGill, Tuyen Nguyen, Bill Thompson, Kan Wang, Shibo Zhang

Sponsor:

This workshop is sponsored by the National Science Foundation (Plant Genome Research Program, Grant number DBI 0110023).



Participants:

All participants are required to bring:

- 1) **lab coat** (you will not be participating in the hands-on practice in the workshop without it).
 - 2) **your current or possible future project overview** that involves maize transformation.
- Every participant is required to give a 5-10 minutes presentation on your own project(s) in the evening of March 10. You can bring either PowerPoint presentation (in 100MB zip disk or a CD-Rom) or transparency.

Registration fee:

A total of \$350.00 is charged to all industry participants (make check 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.

Hotel:

Lodging arrangement for all participants, instructors and invited speakers is

Best Western InnTowner (<http://www.inntowner.com/>)
2424 University Avenue
Madison, Wisconsin 53726
USA
Toll free (in USA): 1-800-528-1234

We have made your reservation under your name so no additional confirmation is necessary unless you decide to cancel the trip (in this case, you must call the hotel before 12 noon on Sunday, March 9). You are expected to arrive on Sunday (March 9) and check out in the morning of Thursday (March 13). The hotel expenses for US academic participants are waived, but shared rooms are required. For those international and industry participants, please pay for your lodging at check out time.

Travel:

You are responsible for your own travel arrangement. There is a hotel shuttle service from the Madison Airport. You should use the courtesy phone located in the baggage claim area to call the Best Western InnTowner at: 233-8778. The shuttle service is available from 8:30 AM through 10:30 PM. Anyone needing transportation to the hotel outside of those hours will need to take a cab. It is about 20 minutes driving distance between Madison airport to the hotel.

Meals and Local transportation:

You are responsible for your own breakfasts and dinners. Lunches Monday through Wednesday (included in your registration fee) will be provided on-site since we have limited time between experiments. You will be transported from the hotel lobby every morning to the University, so please be ready by 7:50 am.

For those of you who will go to Lake Geneva for the 45th Maize Genetics Conference, a limo service can be hired from Lake Geneva to pick up workshop attendees and transport them to the Grand Geneva Hotel for approximately \$30.00/person. The same rate is charged for bringing attendees back to Madison for plane flights. So, it would be roughly \$60.00-\$70.00 per person for round trip transportation fees, depending on how full the limos are, and how many are needed. It is about 1.5 hour driving distance between Madison and Lake Geneva.