



## Maize Transformation Workshop

### The workshop:

The workshop starts at 8:00 am on Monday, March 7 and ends at noon on Thursday, March 10.

Monday	AM	Protocol overview, laboratory practice on embryo dissection, preparation for biolistic transformation
	PM	Biolistic transformation, callus culture identification, transformant recognition and review of pipelines, regeneration practice
	Evening	Round table research project introduction (I)
Tuesday	AM	<i>Agrobacterium</i> -mediated maize transformation (step-by-step)
	PM	Greenhouse tour, transplanting and controlled pollination demonstration, transgenic plant analysis presentation and discussion
	Evening	Round table research project introduction (II)
Wednesday	AM	Mini-symposium: <b>Luis Herrera-Estrella:</b> Transgenic plants: an historical perspective <b>Heidi Kaeppler:</b> Maize Transformation: History and future prospects <b>Bill Thompson:</b> Trying to make transgenes behave: From gene silencing to MARs and back
	PM	<b>Stanton Gelvin:</b> Manipulation of plant genes to effect better transformation in dicots: Will this work in maize? <b>David Ow:</b> Recombinase-mediated plant transformation system <b>Kan Wang:</b> What does it take to establish a functional maize transformation pipeline?
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 47 <sup>th</sup> 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](mailto:hfkaeppl@facstaff.wisc.edu)).

### Organizers, Instructor and Invited Speakers:

Alvar Carlson, Bronwyn Frame, Luis Herrera-Estrella, Stanton Gelvin, Heidi Kaeppler, Juan Carlos Martinez, Jill Mahoy, Annie McGill, Jennifer McMurray, David Ow, Bill Thompson, François Torney, Kan Wang

### 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 and safety glasses** (you will not be participating in the hands-on practice in the workshop without them). If you do not have them, please inform me by February 28 and I will arrange them for you.
- 2) **your current or possible future project overview** that involves maize transformation. Every participant is required to give a 10 minutes presentation on your own project(s) in the evenings of March 7 and 8, 2005. You can bring either PowerPoint presentation or transparency.

## Registration fee:

A total of \$375.00 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

**Howard Johnson Plaza Hotel ([www.hjplazamadison.com](http://www.hjplazamadison.com))**  
**525 W. Johnson Street**  
**Madison, WI**  
**USA**  
**Phone: 608-251-5511**

Your reservation has been made 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 6). **You are expected to arrive on Sunday (March 6) and check out in the morning of Thursday (March 10).** The hotel expenses for US academic participants will be covered by the NSF grant, but you are required to pay the hotel first and get reimbursement later. For those international and industry participants, please pay for your lodging at check out time.

## Travel:

You are responsible for your own travel arrangements. The Howard Johnson Plaza Hotel provides free shuttle service to and from the Madison (Dane County) Airport. You should use the courtesy phone located in the baggage claim area to call the Howard Johnson Plaza Hotel at: 251-5511. 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 15 minutes driving distance between the Madison airport and 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 47<sup>th</sup> 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. Please e-mail Kan Wang ([kanwang@iastate.edu](mailto:kanwang@iastate.edu)) if you need transportation to Lake Geneva.