



# Biotechnology Hands on Science & Critical & Scientific Learning

Tuesday March 23, 2010 ▪ 4:00pm – 6:00pm

**Presenter: Nadia Dominguez PhD – Outreach Specialist for Bio Trek**

**Location: CESA 6, 2300 State Road 44, Oshkosh**

Educators will participate in hands-on activities designed to inspire critical and scientific thinking and how these activities relate to food science. Activities will include DNA extraction from wheat germ, test foods for fat and starch, use cabbage juice chemistry to test for acids and bases, and many more. We will take experimentation to its next step and reflect upon the implications of our results and how biotechnology impacts our food supply and our health. You will be provided with resources to implement these activities in your formal or informal classroom.

Door prizes provided

Dinner will be provided (sub sandwich dinner)

**Bring:** an empty jump drive on which to 'load' information, power points, resources, instructions, web quests and other useful lesson components.

**Bring:** Your laptop if you wish.

**Bring:** a video camera – if you wish to record the event: making confident 'recall' easier for you WHEN you are ready to complete these labs with your students. Here is the press release you can provide for your local paper – include a professional photo of yourself if possible.

*BioTrek is the Outreach Program of the UW-Madison Biotechnology Center and of the Family living Program of UW-Extension. Our mission is 'Sharing Science With Wisconsin'. At its inception in June of 1991, BioTrek aimed to encompass all aspects of biotechnology (including recombinant DNA technology, genomics, stem cells), and historical origins by focusing on biotechnology & food. At BioTrek we develop hands-on activities to inspire inquiry-based science learning that can be used in any educational setting including the classroom, at home, or at a science exploration station event. BioTrek not only provides tours, workshops, and seminars for learners of all ages at the UW Biotechnology Center, (<http://www.biotech.wisc.edu/Education>) but also brings informal science workshops and events to communities beyond the UW campus. Please contact Nadia Dominguez at BioTrek to discuss how we can assist you in your scientific endeavors.*

**Cancellation Policy:** Any workshop registration cancellations must be received 48 hours before the workshop scheduled date, for a refund to be issued. Because attendance at most workshops has to be limited, persons registering for a workshop and not in attendance on the day of the workshop will be charged the full registration fee.

**Biotechnology ▪ CESA 6, 2300 State Road 44, Oshkosh**  
**Tuesday, March 23, 2010**

**Please check one:**

- Check is enclosed, made payable to CESA 6
- Bill my School District, PO # \_\_\_\_\_
- Use my Conference Attendance Fund (CESA 6 employed staff ONLY)
- Credit Card Payment

Participant Name(s) \_\_\_\_\_

Position(s) \_\_\_\_\_

District \_\_\_\_\_

Phone (Work) \_\_\_\_\_

(Home) \_\_\_\_\_

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*Return to: Bethany Olsen, Program Assistant*

**CESA 6 ▪ PO Box 2568 ▪ Oshkosh, WI 54903-2568 or FAX to 920-424-3478**