



The American Society of Human Genetics
HIGH SCHOOL STUDENT/TEACHER
WORKSHOP 2005

Utah Students and Teachers
are invited to attend a workshop sponsored by

The American Society of Human Genetics

High School Student/Teacher Workshop
Salt Palace Convention Center
Salt Lake City, Utah
Tuesday, October 25, 2005
8:30 AM to 3:30 PM
(*No cost to students or teachers*)

The primary goals of this workshop are to educate students and teachers about human genetics, to participate in discussions on topics of concern with the genetics community, and to expose attendees to state-of-the-art laboratory techniques.

Space is limited! Each teacher may bring up to 7 students.

Please make your reservations by Friday, October 14, 2005.

For more information or to make reservations, please contact Ms. Jane Salomon (jsalomon@ashg.org). In your email, please include your name, the names of the students, your school, and all contact information, including phone number.



HIGH SCHOOL TEACHER/STUDENT WORKSHOP

**OCTOBER 25, 2005
SALT LAKE CITY, UTAH**

AGENDA

- 8:15-8:45am **Registration and Continental Breakfast**
- 8:45-9:05am **Welcome and Introduction to the ASHG:** Susanne Haga, Ph.D.,
Chair ASHG Information & Education Committee, Peter Byers
M.D., ASHG President, Joann Boughman, Ph.D., ASHG
Executive Vice President
- 9:05-9:35am **“POSITIVE EXPOSURE: The Spirit of Difference”**
Rick Guidotti, Director, Positive Exposure, NY, NY
- 9:45-10:45am **SMALL GROUP SESSIONS** (choose one of sessions 1-4)
- 10:45-11:00am **Break**
- 11:00-12:00 **SMALL GROUP SESSIONS** (choose one of sessions 1-4)
- 12:00-1pm **LUNCH-with genetics professionals**

**Lunch Presentation: “Genetics and Hollywood -- Reality or
Hype?”**
**Dr. Wayne Grody, University of California Los Angeles,
School of Medicine**
- 1pm-2pm **SMALL GROUP SESSIONS** (choose one of sessions 5-9)
- 2pm-2:10pm **Break**
- 2:10-3:10pm **SMALL GROUP SESSIONS** (choose one of sessions 5-9)
- 3:15-3:30pm **EVALUATION FORMS/CONCLUSION**
Joann Boughman, Ph.D, ASHG Executive Vice President

SMALL GROUP SESSIONS

MORNING SESSIONS

1. **THE SCIENCE BEHIND OBESITY** - Dennis W.C Liu, Ph.D., Howard Hughes Medical Institute, Chevy Chase, MD
2. **HUMAN GENES IN OTHER SPECIES: GENOMICS, EVOLUTION, AND DISEASE** - Joseph. D. McInerney, MA, MS, National Coalition for Health Professional Education in Genetics, and Neil Lamb, Ph.D., Emory University, Atlanta, GA
3. **CSI SALT LAKE CITY: THE LIFE OF A FORENSIC SCIENTIST**
Dr. Jay Henry, Salt Lake City State Police Crime Laboratory
4. **GENETICS AND CANCER: How much do you want to know about your future risks for cancer?** -Paula Gregory, Ph.D., Louisiana State University

AFTERNOON SESSIONS

5. **THE HUMAN GENOME PROJECT-** Vence L. Bonham, Jr., J.D., Chief, Education and Community Involvement Branch, NHGRI, Bethesda, MD
6. **RECEPTORS: GENETIC DIFFERENCES IN TASTE AND SMELL –**
David Micklos, Dolan DNA Learning Center, Cold Spring Harbor Laboratory, New York
7. **BEYOND THE STETHOSCOPE: Your Doctor's New Genetic Tools-** Louisa Starks, Ph.D., University of Utah, Salt Lake City
8. **NEWBORN SCREENING: Genetic testing of newborns, early detection of genetic conditions”-** Miriam G. Blitzer, Ph.D., University of Maryland School of Medicine, Baltimore, MD
9. **MICROARRAYS IN RESEARCH AND PRACTICE --** Jessica Tonani, Ph.D., Affymetrix
10. **HANDS-ON GENETICS ACTIVITIES FOR TEACHERS --** Christine Boytos and Beth Balkite, GlaxoSmithKline
****(For Teachers – One Session Only -- 1:00-2:00 PM)****