



2007 Teen Biotech Challenge Awards Banquet

University of California, Davis
Activities & Recreation Center
(ARC)

May 29, 2007
6:30 – 9:30 pm



2007 Teen Biotech Challenge Awards Banquet Program

WELCOME (6:30 PM)

Dr. Denneal Jamison-McClung
Director; BioTech SYSTEM

WEBPAGE & BOOTH VIEWING (6:40 – 7:15 PM)

DINNER & RAFFLE (7:15 - 8:00 PM)

KEYNOTE ADDRESS (8:00 – 8:20 PM)

SPEAKER INTRODUCTION..... *Dr. Judith Kjelstrom*
Director; UC Davis Biotechnology Program

KEYNOTE SPEAKER..... *Dr. Ken Burtis*
Dean; UC Davis College of Biological Sciences....

AWARD CEREMONY (8:20 – 9:30 PM)

PRESENTER: 1ST & 2ND AREA WINNERS.....
Dr. Feng Xu; Sr. Research Manager, Novozymes, Inc.
Dr. J.D. Stack; CEO, SARTA

PRESENTER: 3RD & 4TH AREA WINNERS.....
Dr. Rob Carter; Site Head, Novartis Vaccines and Diagnostics Inc.
Jeffrey O'Neal; Director; North Valley & Mountain Biotechnology Center

PRESENTER: 5TH & 6TH AREA WINNERS.....
Dr. Martina Newell-McGloughlin; Director, UC BREP
Dr. Judith Kjelstrom; Director, UC Davis Biotechnology Program

CLOSING REMARKS *Dr. Denneal Jamison-McClung*
Director; BioTech SYSTEM

Acknowledgments & Thanks for the following

TBC 07 Sponsors

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North Valley & Mountain Biotechnology Center Event Partner
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TEACHERS

Steve Conley Bella Vista High School
Ray Lewis Benicia High School
Nicole Brousseau Christian Brothers High School
Sara Turner, Louie Dias El Camino High School
Lilibeth Pinpin Hogan High School
Scott Martinez Mira Loma High School
Kevin Scully Rodriguez High School
Jason Brennan Sheldon High School
Yen Verhoeven, Karen Wedamen Vacaville High School
Scott Mapplebeck..... West Campus High School



The Teen Biotech Challenge

Members of the BioTech SYSTEM, a regional consortium promoting biotechnology education, have come together to organize and sponsor the Teen Biotech Challenge. This contest is a wonderful way for students and teachers to investigate current advances in biotechnology and to develop skills in web development. As members of the biotech community, we hope to raise awareness of biotech educational programs and career opportunities in our region. As we look to the future of the Teen Biotech Challenge, we hope to encourage and inspire our region's high school students to academic excellence in the sciences.

The Teen Biotech Challenge was originated as an outreach effort of the North Valley and Mountain Biotechnology Center at American River College in 2005. In 2006, founding Director of the BioTech SYSTEM, Carey Kopay, laid the groundwork for Teen Biotech Challenge to become a major educational outreach event in Northern California. Now in its third year, the contest has maintained a steady momentum, with 135 student participants from local high schools. Over \$3,000 in cash and prizes will be awarded to local students and teachers at this Biotech Symposium Awards Banquet.

We would like to extend our profound thanks to the TBC2007 Event Partners, the UC Davis Biotechnology Program and the North Valley and Mountain Biotechnology Center at American River College. Their financial contributions, in addition to those generously received from the Community Sponsors make this contest possible. Thank you to our Community Sponsors for supporting biotech education in our region and to our students and teachers for participating in the contest. Last, but not least, congratulations to our student winners! Your hard work and dedication is reflected in your entries—keep up the good work!

A teacher affects eternity; he can never tell where his influence stops.
~Henry Brooks Adams

TBC 2007 Winners

Ag & Industrial Focus Area Winners

- Stephanie Falwell, Sheldon H.S.*First Place
“Using Bioremediation for Oil Spills”
- Kate Collins & Cyle Zezotarski, Christian Bros H.S.* .. Second Place
“GloWorld Green Fluorescent Proteins and Organisms”
- Rachel Dean, Sheldon H.S.* Third Place
“Transgenic Animals”
- Mohn Bouchaleun, Sheldon H.S.* Honorable Mention
“Transgenic Animals”
- Faith Sweat, Sheldon H.S.* Honorable Mention
“Genetically Modified Organisms”
- Derek Edwards, Matt Hayes, Emily Overhouse, Christian Brothers H.S.* Honorable Mention
“Golden Rice”

Bioenergy & Biofuels Focus Area Winners

- Jaspreet Sidhu, Vacaville H.S.*First Place
“Biofuels”
- Samira Muhamad, Sheldon H.S.* Second Place
“Alternative Energy”
- Renata Atayeva, Sheldon H.S.* Third Place
“Biodiesel and Bioenergy”
- Ana Reyes, Javier Zepeda, Vacaville H.S.* Honorable Mention
“Think Biofuel”

TBC 2007 Winners (Continued)

Biomedical Applications & Bioengineering Focus Area Winners

Phuong Mai Tran, Sheldon H.S. First Place
“Disease Free”

Peter Romas, Savannah Waldron, Vacaville H.S. Second Place
“PCR – Detecting TB”

Cynde Josol, Sheldon H.S. Third Place
“Drug Discovery”

Matthew Hefner, Anthony Martinez, Brenden Phillips, Christian Brothers H.S. Honorable Mention
“Nanotechnology; It’s Uses In The World Around Us”

Forensics Focus Area Winners

Tatjana Vejnovic, Phil Thatcher, Benicia H.S. First Place
“Forensics”

Jordan Cintas, Megan Penny, Vacaville H.S. Second Place
“Scientists Could Really Use Biotech Students”

Marie Martin, Kathryn Racel, Jacqueline Villanueva, Hogan H.S. Third Place
“Forensics: The application of science to questions which are of interest to the legal system as well as social sciences such as archaeology”

John Leyto, Melanie Nera, Liane Tongol, Hogan H.S. Honorable Mention
“Forensics”

Desiree Albano, Sheldon H.S. Honorable Mention
“DNA Testing”

Chelsi Davis, Sheldon H.S. Honorable Mention
“DNA Fingerprinting”

TBC 2007 Winners (Continued)

Genomics, Proteomics & Bioinformatics Focus Area Winners

Aaron Simmons, Sheldon H.S. First Place
“Human Genome Project”

Amanda Zygutis-Secress, Sheldon H.S. Second Place
“Tree of Life Project”

Nguyet Cindy Phan, Sheldon H.S. Third Place
“Pharmacogenomics – Where One Size Does Not Fit All”

Bhupinder Singh, Sheldon H.S. Honorable Mention
“A Further Look Into The NCBI Database”

Lindsey Ziegenhirt, Sheldon H.S. Honorable Mention
“Human Genome Project”

Stem Cells & Tissue Engineering Focus Area Winners

Larry Li, Mira Loma H.S. First Place
“The Stem Cell Controversy”

Richard Thom, Sheldon H.S. Second Place
“The Cell To Eternal Life”

Jill Houser, Sheldon H.S. Third Place
“Human-Animal Chimeric Cells”

Karina De La Cruz, Sheldon H.S. Honorable Mention
“I Can Walk!”

TBC IS AN EVENT MADE POSSIBLE BY THE BIOTECH SYSTEM

