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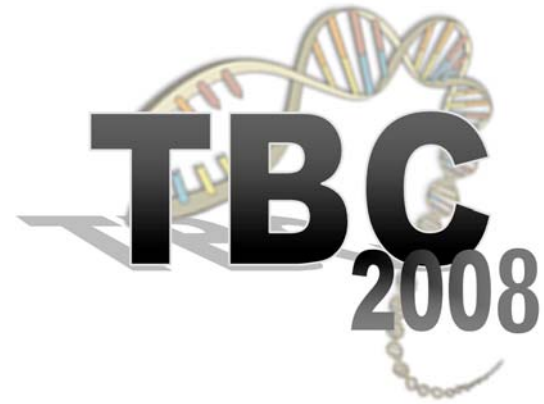
solano county office of
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MONSANTO
BIOTECHNOLOGY
innovation - collaboration - speed

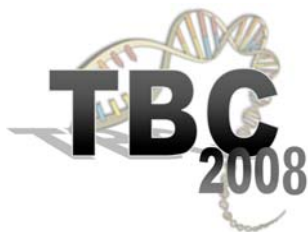


UC DAVIS
FINANCIAL AID



2008 Teen Biotech Challenge Awards Banquet

University of California, Davis
Freeborn Hall
May 28, 2008
6:30 – 9:30 pm



2008 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, BIOTECH TRIVIA & RAFFLE (7:15 - 8:00 PM)

KEYNOTE ADDRESS (8:00 – 8:40 PM)

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

KEYNOTE SPEAKER..... *Jeff Richmond*
Sr. Director, Manufacturing - Genentech

AWARD CEREMONY (8:40 – 9:30 PM)

PRESENTER: 1ST & 2ND AREA WINNERS.....
Dr. Feng Xu; Sr. Research Manager, Novozymes, Inc.
Dr. Ken Burtis; Dean, College of Biological Sciences, UC Davis

PRESENTER: 3RD & 4TH AREA WINNERS.....
Rob Carter; Site Head, Novartis Corporation
Jeffrey O'Neal; Director; North Valley Biotechnology Center

PRESENTER: 5TH & 6TH AREA WINNERS.....
Dr. Steve Pettit; Scientist, Ventria Bioscience
Dr. Judith Kjelstrom; Director, UC Davis Biotechnology Program

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

Acknowledgments & Thanks for the following

TBC 08 Sponsors

UC Davis Biotechnology Program Event Partner
North Valley & Mountain Biotechnology Center Event Partner
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TEACHERS

Jennifer Bilka Arthur A. Benjamin Health Professions High School
Anne Whitford Bella Vista High School
Ray Lewis Benicia High School
Nicole Brousseau Christian Brothers High School
Robert Baker El Camino High School
Lilibeth Pinpin Hogan High School
Lori Steward Linden High School
Clare Long River City High School
Jennie Jetton Rosemont High School
Jason Brennan Sheldon High School
Kirk Brown Tracy High School
Turid Reid Vacaville High School

BioTech SYSTEM outreach activities and programs (Cont.)

Biotech Speaker's Bureau (BSB)—Teachers may fill out an online form requesting a biotech guest speaker for their classroom. Speaker members include life scientists from a range of disciplines and levels of training.

Biotech Career Days—School site presentations focused on life science career paths are delivered throughout the academic year, in addition to larger events that educate teachers, counselors and students on life scientist job types, salaries, required educational preparation and regional training programs, etc... Upcoming events:

- October 2, 2008—Counselor's Workshop for Solano County hosted at Solano Community College, Fairfield
- November 6, 2008—Biotech Career Paths Panel for Counselors, Faculty & Students hosted at American River College, Sacramento
- November 20, 2008—Biotech Career Paths Panel for Counselors, Faculty & Students hosted at Sacramento State University

For more information on outreach activities, biotech news and links to online resources, check out our website (<http://biotechsystem.ucdavis.edu>) or contact Dr. Denneal Jamison-McClung (djsjamison@ucdavis.edu or 530-752-5090).



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 fourth year, the contest has maintained a steady momentum, with 177 student participants from local high schools. Over \$5,000 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 TBC2008 Event Partners, the UC Davis Biotechnology Program, the North Valley Biotechnology Center at American River College and Genentech. Their financial contributions, in addition to those generously received from the Community Sponsors make this contest possible. Thank you to our Community Sponsors and Government Representatives, Senator Barbara Boxer and Assemblymember Lois Wolk, for supporting biotech education in our region. Last, but not least, thanks to our students and teachers for participating in the contest. Congratulations to our student winners! Your hard work and dedication is reflected in your entries—keep up the good work!

"[Science is] a great game. It is inspiring and refreshing. The playing field is the universe itself."

Isidor Isaac Rabi (1898-1988) Nobel prize 1944

TBC 2008 Winners

Ag & Industrial Focus Area Winners

Hawa Sultani, Sheldon H.S. First Place
“Genetically Modified Food: A Benefit for the World”

Amanda Cotrell, River City H.S. Second Place
“What's In Your Food?”

Joel McLouth & David Andrews, Benicia H.S. Third Place
“Marine Biotechnology”

Veronica Guseva, Sheldon H.S. Honorable
Mention
“Genetically Modified Foods”

Anthony Dang, Sheldon H.S. Honorable
Mention
“Transgenic Crops: Harmful or Helpful?”

Lindsey Giroux & Sarah Tuberty, Vacaville H.S. Honorable
Mention
“Genetically Modified Foods”

Bioenergy & Biofuels Focus Area Winners

Katie Heyer & Kelly Beffa, Benicia H.S. First Place
“Everlasting Earth: Discovering Biofuels”

Stephanie Hertel, River City H.S. Second Place
“Biofueled Cars of the Future”

Sam Frias & Kara Bacchi, Christian Brothers H.S. Third Place
“Crops For Your Car”

*Samantha Calkins & Christy Lee,
Christian Brothers H.S.* Honorable Mention
“Biofuels: Cellulosic Ethanol”

*Kenny Sharman & Derrick Wood
Christian Brothers H.S.* Honorable Mention
“Sugar Batteries – The Kind You Don't Eat”

BioTech SYSTEM

BioTech SYSTEM is a regional consortium that fosters collaborative relationships between key members of the biotech community in the Greater Sacramento Valley (Solano, Yolo and Sacramento Counties). Our mission is to enhance biotech education and promote the development of a biotech-savvy workforce in our region.

Teen Biotech Challenge is the primary outreach activity of BioTech SYSTEM. In addition, we serve as a communications hub for our members, which include representatives from public colleges and universities, community organizations, local governments, area high schools and biotech industry.



Aaron Simmons, TBC07 Grand Prize Winner with Dr. Denneal Jamison-McClung

BioTech SYSTEM outreach activities and programs also include:

Biotech Expo—A middle school biotech poster competition, modeled on the TBC and administered in partnership with the North Valley Biotechnology Program at American River College. Contest launch is set for this fall and we look forward to offering the contest annually. Important dates:

- September 17, 2008—Contest Launch Online
- February 15, 2009—Posters Due for Judging and Expo Set-Up at ARC (5PM)
- February 16, 2009—Poster Exposition & Awards (11AM – 3PM)

TBC 2008 Winners (Continued)

Stem Cells & Tissue Engineering Focus Area Winners (Cont.)

William Huqueriza & KC Pagtakhan, Hogan H.S.....Honorable
Mention

“Blurring the Lines”

Jasmine Hugo, Loretto H.S..... Honorable Mention
“Stem Cells: The Promise of Tomorrow”

Matthew Fogg, Jordan Armstrong & Kevin Nicholson,
Benicia H.S..... Honorable Mention

“Reproductive Cloning”

TBC IS AN EVENT MADE POSSIBLE BY THE **BIO**TECH SYSTEM



TBC 2008 Winners (Continued)

Bioenergy & Biofuels Focus Area Winners (Cont.)

Lisette Esparza & Kelly Harris,
Christian Brothers H.S..... Honorable Mention
“Biodiesel: Fuel Of America”

Carol Presto & Samantha Gallardo, Hogan H.S..... Honorable
Mention

“Go Green or Go Home”

Biomedical Applications & Bioengineering Focus Area Winners

Alvin Chan, Sheldon H.S.First Place
“The Valiant Vaccine: The Scapegoat of Human Fault”

Jessica Kaur, Sheldon H.S.Second Place
“What is RNAi?”

Hyun Park, Vacaville H.S. Third Place
“The Battle Against Cancer”

Kristine Fong & Kayla Muth, Benicia H.S. Honorable Mention
“Biomedical Engineering: Biomaterials”

Andrew Pascual & Allyssa Austria, Hogan H.S. Honorable
Mention
“Virtual/Robotic Surgeries”

Paula T. Samonez, Hogan H.S. Honorable Mention
“Decoding Drugs”

Daniel Calvillo & Anthony Gallegos, Christian
Brothers H.S. Honorable Mention
“Nanotechnology: The Road to a Better Future”

TBC 2008 Winners (Continued)

Forensics Focus Area Winners

Megan Woods(L) & Jeff Healy (T), Linden & Tracy H.S......First Place
“Terrorism: A Factor from Farm to Fork”

Jennifer Vue & Cynthia Ly, Arthur A. Benjamin Health Professions H.S...... Second Place
“Forensics: DNA Fingerprinting”

John Su, Arthur Sheldon H.S. Third Place
“Bioterrorism”

Stephanie Huynh, Sheldon H.S.Honorable Mention
“Who’s Your Dad? Paternity Testing”

Isra Uz-Zaman, Hogan H.S......Honorable Mention
“Forensic Science”

Laquashanda Monroe, Sheldon H.S......Honorable Mention
“DNA Fingerprinting”

Sean Blake, Benicia H.S.Honorable Mention
“Modern Forensic Science”

Genomics, Proteomics & Bioinformatics Focus Area Winners

Blake Peters & Nicole Bibel, Benicia H.S......First Place
“The Future of Information: DNA Computing”

Brian Black & Niles Tanner, El Camino H.S......Second Place
“Genographic Project”

Sarah Anne Taca, Sheldon H.S...... Third Place
“What Genes Are You Wearing?”

Steven Macias, River City H.S......Honorable Mention
“Welcome to the World of Bioinformatics”

TBC 2008 Winners (Continued)

**Genomics, Proteomics & Bioinformatics Focus Area Winners
(Cont.)**

Breanna Lewis, Sheldon H.S. Honorable Mention
“What Your Mama Gave You”

Nicholas Sou, Sheldon H.S. Honorable Mention
“Proteomics: Reading the Dictionary of Life”

Kimberly Huffman, Christian Brothers H.S...... Honorable Mention
“Laminin, the Incredible Body Glue and So Much More”

Stem Cells & Tissue Engineering Focus Area Winners

Daniel Cattolica & Alexander Thompson, Bella Vista H.S...... First Place
“The Stem Cell Solution”

Rhea Napeek & Jonathan Bartlett, Hogan H.S. Second Place
“Restoration Through the Art of Printing”

Andrew Tremain, Micaella Mason & Tori Hillman, Benicia H.S. Third Place
“Stem Cell Research”

N. Fabian Garcia, Sheldon H.S...... Honorable Mention
“Stem Cells: The Rebuilders of Life”

Jacob Rombaoa, Rosemont H.S. Honorable Mention
“The Average Person’s Guide to Regenerative Medicine”

Nadia Gronachon, Sheldon H.S. Honorable Mention
“Don’t Waste, Duplicate”

Eric Lichtenberger & Mark Spottiswood, Christian Brothers H.S. Honorable Mention
“Regenerative Medicine”