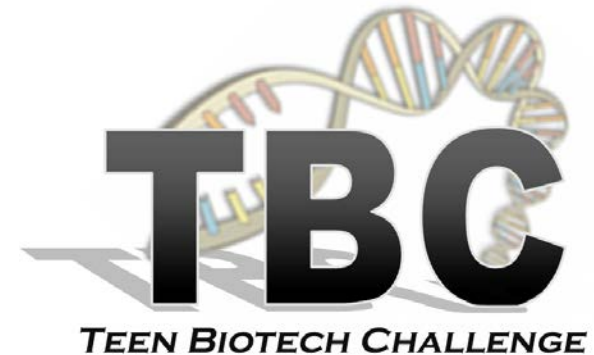


MANY THANKS TO ALL WHO SPONSORED
THIS YEAR'S TEEN BIOTECH CHALLENGE!!!!

Genentech
IN BUSINESS FOR LIFE



2011 Teen Biotech Challenge Reception & Awards



***University of California, Davis
Bruce & Marie West Lobby, Kemper Hall
1001 Giedt Hall***

***May 11, 2010
5:30 – 9:30 pm***

2011 Teen Biotech Challenge Awards Banquet Program

Bruce & Marie West Lobby, Kemper Hall

Welcome & Registration (5:30 – 6:00 PM)

Networking Reception & Dinner (6:00 – 7:00 PM)

Raffle (6:30PM)

1001 Giedt Hall

Keynote Address (7:00 – 7:30 PM)

- Beate Crossley, DVM, MPVM, PhD
- Assistant Professor of Clinical Diagnostic Virology
- California Animal Health & Food Safety Laboratory System (CAHFS), UC Davis

Award Ceremony (7:30 – 9:30 PM)

Closing Remarks (9:30 PM)

- Prof. Denneal Jamison-McClung
- Director; BioTech SYSTEM

ACKNOWLEDGMENTS & THANKS

Event Partners: \$3,000 minimum

Genentech, UC Davis Biotech Program

Platinum Sponsors: \$1,000 - \$2,999

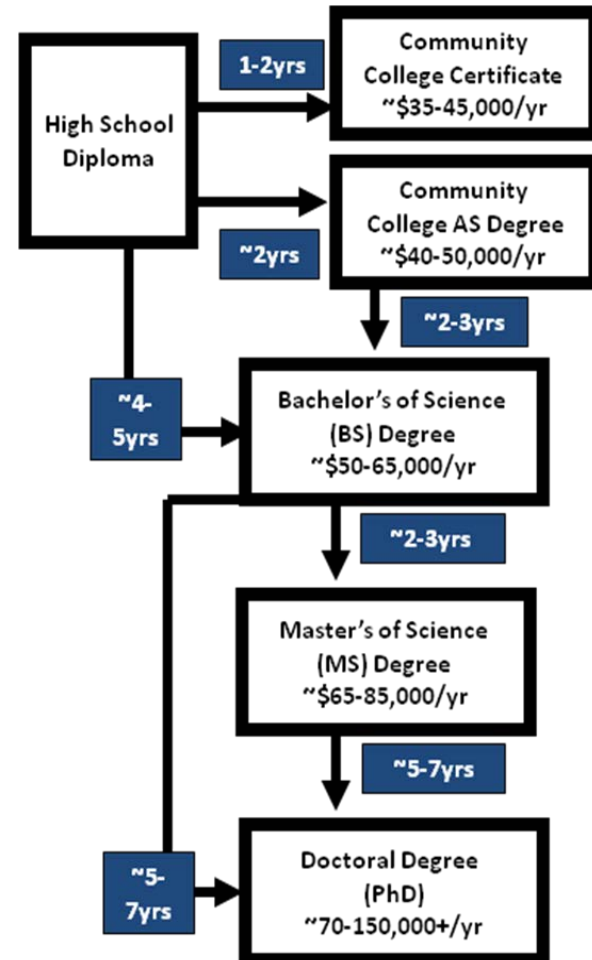
Bio-Rad Laboratories, HDR Architecture,
North Valley Biotechnology Center at ARC,
and Novozymes, Inc.

Gold Sponsors: \$500 - \$999

UC Davis College of Engineering

The majority of biotechnology jobs require a **Bachelors of Science (BS) college degree**.

In addition to positions requiring a BS degree, there are a significant number of entry-level biotechnician jobs in California with a minimum requirement of an **Associates of Science (AS) degree or Program Certificate**. We have several excellent community college biotechnology programs in our region, and representatives of the American River College Biotechnology Program are here this evening. At the AS and BS degree levels, more training or experience generally correlates to a higher expected income. Across the nation, the average salary for researchers or technical employees in biotechnology, whether working in healthcare, agriculture or the environment, is about \$65,000 per year.



STEM CAREERS

WELCOME TO TBC 2011

Careers in Science, Technology, Engineering and Math (STEM) will be thriving for years to come and educating students in these fields will allow us to tackle global challenges in healthcare, agriculture and the environment. In addition to helping humanity solve major problems, students choosing STEM career paths are entering a healthy job market. Science and technology are strong drivers of economic growth and we want your students to share in this region's prosperity. **Northern California is the birthplace of biotechnology, also called life science**, and we have a special opportunity to participate in the biotechnology community centered in the San Francisco Bay Area. As you network with members of the biotech community, graduate student and undergraduate scientists here this evening, ask about their career journeys in biotechnology.

When people think of **biotechnology jobs**, most envision a scientist in a laboratory. However, specific jobs requiring biotechnology training may include teaching, sales, government policy analysis, project management, clinical work and practice of law.



Research



Administration



Teaching



Sales & Marketing



Patent Law



Government
Regulatory Affairs



Technical Writing



Health Care

“California is home to over 2,000 biomedical companies employing over 274,000 people. The average wage for a biomedical industry employee in California is \$75,000.”

Welcome to the Teen Biotech Challenge Awards Reception! This evening, we are celebrating academic excellence and the dedication of students, teachers and parents participating in this year's website design competition. Each participating biotech class submitted their top five entries for final judging by TBC experts and we are here to congratulate the “cream of the crop”.

As we gather at the networking reception, please note that our TBC volunteers are currently enrolled UC Davis graduate and undergraduate students. These hosts are hoping to speak with you and answer questions about attending college, choosing science-related career paths, the research that they work on and strategies for success in a university environment.

Biotechnology Serves the World

The BioTech SYSTEM is a regional consortium for promoting education in science, technology, engineering and mathematics (STEM). Biotechnology incorporates all of these disciplines in an effort to tackle global challenges in agriculture, energy and health care. Through the Teen Biotech Challenge, we hope that students will learn more about expanding biotech fields of study and will consider how they might personally contribute to global solutions as future scientists and engineers.

Community Sponsors Make TBC Possible

We would like to offer warm thanks to our sponsors, especially event partner Genentech, for making the Teen Biotech Challenge possible. TBC is financed solely via the generous support of industry and academic organizations (see the back page of the booklet for a complete list). TBC sponsors recognize the value of investing in student education and rewarding academic excellence.

Please share your personal thanks with attending sponsor representatives joining us this evening.

Sincere Congratulations,

Dr. Denneal Jamison-McClung
Director, BioTech SYSTEM
Associate Director, UC Davis Biotechnology Program

TBC 2011 WINNERS

Focus Area 1: Agricultural Biotechnology

1st- “Genetically Modified Foods” by Yang Liu, Eddie Tian, Jason Tang, Davis HS

2nd- “Conserving Biodiversity” by Andrew Park, Sheldon HS

3rd- “Genetically Engineered Plants Detect Explosives and Pollutants” by Elona Demchuk and Tamila Dorozhivskaya, Antelope HS

Hon Mention- “Get in the Mood to Learn About Genetically Modified Food!” by Rose Bunker and Ashlee

Difuntorum, Christian Brothers HS

Hon Mention-“Agricultural Biotechnology” by Yuliy Tsymbal, Makayla Dennis, and Jon Hanson, El Camino HS

Hon Mention-“Agricultural Biotechnology” by Genesis Thao and Jagdeep Singh, Antelope HS

Focus Area 2: Bioengineering & Nanotechnology

1st- “A Window into Life’s Complexities” by William Liu and Peter Wang, Davis HS

2nd-“Freezing Towards the Future” by Meredith Stawicki, Kyla McCormick and Katherine Albright,

Christian Brothers HS

3rd- “Nanomedicine and Cancer” by Jung-Eun Shin and Don-Wook Shin, Davis HS

Focus Area 3: Biofuels & Bioenergy

1st- “Bioenergy: Refueling the Future” by Jezelle Zapanta, Sheldon HS

2nd-“Biofuels & Bioenergy” by Amrit Saini and Jas Gill, Antelope HS

3rd- “Cellulosic Ethanol” by Amber Ganapathy, Kayla Hill and Chloe Hiuga, El Camino HS

Hon Mention-“JMK Diesel” by Michael Haro, Joshua Jacob and Kyle Elmore, Hogan HS

Focus Area 4: Biomanufacturing

1st- “Hepatitis Vaccine” by Annie Lin, El Camino HS

2nd-“War and Biotechnology” by Zach Tarro and Brad Perrin, Christian Brothers HS

3rd- “Biomanufacturing” by Micayla Lopez, Bridgett Ocampo and Antolin Rodriguez, Hogan HS

Hon Mention- “Biological Warfare” by Tim Hill, Jarell Dilag and John Pesquesa, Hogan HS

Focus Area 5: Genetic Testing & Forensics

1st- “Gene Therapy – A Medical Revolution” by Jaskaran Singh, Sheldon HS

2nd-“Gene Therapy: A New Kind of Healing” by Brianna Garror, Christian Brothers HS

3rd- “No Strands Left Behind” by Elaine Lee and Tavneet Gill, Antelope HS

Hon Mention-“Tracking Down Infectious Disease” by Gricelda Rios Salgado and Ashley Pascua, Hogan HS

Hon Mention-“Sherlock Holmes: The Investigation” by Amy Fong and Priscilla Hai, Christian Brothers HS

Focus Area 6: Genomics & Synthetic Biology

1st- “Epigenetics: Bridging Nature and Nurture” by Sriram Ramesh and Thomas Gepts, Davis HS

2nd-“Metagenomics Revealed” by Anh Nguyen, Sheldon HS

3rd- “Metagenomics” by Edgar Munguia, Rex Reyes and Shengpeng Zhuo, Hogan HS

Focus Area 7: Regenerative Medicine

1st- “The Stem Cell: An Unspecialized Cell with Uncountable Possibilities” by Kalani Ratnasiri, Davis HS

2nd- “Curing the Cure” by Robert Lipman and Ben Alpers, Davis HS

3rd –(tie) “Synthetic Organs” by Taylor Ackerman, Fler Feldman and Diana Raileanu, El Camino HS (tie)

3rd- (tie) “Transplantations of the Heart and Kidney” by Alissa Ianchis, Antelope HS

Hon Mention- “Solving the Organ Crisis” by Cody Trescott and Tom Maxey, Christian Brothers HS

Hon Mention-“Regenerative Medicine” by Linda Ha, Hiram Johnson HS

Hon Mention- “Stem Cells” by Brandon Gip, Hiram Johnson HS

Hon Mention- “Prosthesis” by Michelle Wong, Sheldon HS

PARTICIPATING TEACHERS & SCHOOLS:

Annie Clegg - Antelope High School

Nicole Brousseau - Christian Brothers High School

Ann Moriarty - Davis Senior High School

Louis Dias - El Camino High School

Vlastimil Krbecek - Hiram W. Johnson High School

Lilibeth Pinpin - Hogan High School

Dave Menshew - James C. Enochs High School

Lori Steward - Linden High School

Jason Brennan - Sheldon High School