

# J. Kirk Brown's Resume'

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## ***Education/Credentials:***

- Modesto Junior College 81-84 No degree
- C.S.U. Stanislaus 84-86 B.A. Biology  
Concentration in  
Entomology
- University of the Pacific 86-92 Credential/ M.A. Education
- National Board Certification 2002 Adolescent and Young Adult Sci

## ***Research Experience:***

- Scientific Research Associate, Summer Research Internship Program, Lawrence Livermore National Laboratory: Human Genome Center Dr. Greg Lennon, Mentor. Summer 1994-97
- Participant in the Human Genome Networking Project at Kansas University Medical Center (Debra Collins Director) 1996, 1997.
- Fellow of the Association of Western Universities at Lawrence Livermore National Laboratory Summer 1997
- Applied Biosystems workshops in Polymerase Chain Reaction 1997 and Mitochondrial Sequencing 2000.
- The Department of Energy's Joint Genome Institute; Microbial Genetics Educator Workshop 2006

## ***Highlighted Work Experience:***

- 1987-Present Tracy Joint Union H.S.  
I.B. Advanced Biology I 11th, 12th  
I.B. Advanced Biology II 11th, 12th  
R.O.P Biotechnology
- 1990-92, 2001-Present Department Chairman: Science
- 1993-97 Project Coordinator/ Founding Department  
Chair of Tracy's Ag/Sci Academy
- 1994-Present Lawrence Livermore National Laboratory Education Program Fellow
- 1997-Present Consultant/National and International for Bio-Rad Labs.
- 2002-Present Key Leader: National Science Teachers Association  
Building a Presence
- 2001-Present Adjunct Instructor: San Joaquin Delta Community College
- 2003- 04 TEAM Science Project Leader. NSF GK12 Grant
- 2006-2007 Curriculum Mapping Consultant: Stanislaus County

## ***Associations:***

- California Teachers Association 1987-Present
- Phi Delta Kappa 1993-Present
- National Science Teachers Association 1996-Present
- National Association of Biology Teachers 1987-Present

## ***Selected Activities/Presentations (Comprehensive List on Website)***

<http://www.tracy.k12.ca.us/thadvbio>

- Over 360 workshops given since 1994. Approximately 15,000 teachers trained.
- Presented at Most of the NSTA and NABT National Meetings since the early 90's.
- Presented Lessons to teachers/professors at the National University of Singapore Sept. 2000
- Presented Lessons to professors at Fudan University, Beijing Normal University, in Shanghai and Beijing China Sept 2002

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- Presented Lessons to students, teachers in Seoul Korea Sept. 2002
- Presented Biotechnology workshop for students in Whittier Alaska April 2003
- Science on Saturday Lecture Cancer Biology with John Hinz Ph.D. LLNL April 2006
- Biotechnology Presentation University of Rhode Island University Feb, 2006
- Agroknowledge Biotech Workshop in El Reno Oklahoma June 2007
- Biotechnology Presentation in Hong Kong, Hangzhou China 2007,2008

## **Selected Awards:**

- Teacher of the Year for Tracy Unified School Dist. 1992
- Most Influential Teacher, M.I.T. 1993
- Most Influential Teacher, U.C. Santa Barbara 1993,1996,2002
- Most Influential Teacher, U.C. San Diego 1997,2000,2002,2003,2004
- Access Excellence Award Winner/Genentech 1996
- Sigma XI Outstanding Science Teacher of 1996 1996
- Valley Association of Science Teachers Peer Recognition Award 1997-98 1998
- Milken National Educator Award 1999
- KXTV 10 Calteach Teacher of the Month (April 2000) 2000
- California's Outstanding Biology Teacher Award (N.A.B.T.)2003
- Most Influential Teacher Stanford University 2004
- Carlston Family Foundation Award 2006
- DiNA Award for Public Service BayBio Pantheon 2007
- Cortopassi Family Foundation Outstanding Science Teacher 2008
- Teacher of the Year Junior Science and Humanities Western Reg. 2008

## **Advisory Boards:**

- *Board of Directors for the Independent Committee for the Children of California Richard Riordan Chair* 2004-05
- *James Enoch's High School Biotechnology Program* 2006-Present
- *Carlston Family Foundation* 2006-Present
- *California State University College of Natural Science* 2006-Present
- *Valley BioScience Coalition Education* 2006-Present

## **Keynote Addresses:**

- *California State University Fullerton March 6,2008 Titan Pavilion Future Teachers Keynote Address "Impact that a Teacher can Make"*
- *California State University STAR (Science Teacher and Researcher) Program NASA/Ames Research Center July 2008 "A Personal Perspective on Being a Teacher-Scientist"*
- *Noyce Scholars Western US Conference " Being a STEM Educator in the 21<sup>st</sup> Century" April 2009*

## **Publications:**

- *Biotechnology Education Project Curriculum*  
University of California, Lawrence Livermore National Laboratory1995
- *Access Excellence* [Http://www.gene.com/AE](http://www.gene.com/AE) Various Laboratory exercises on the AE website.
- *Advanced Learning Opportunities for California's Youth Specialized Secondary Programs: Pages 45-50 Tracy High School's Agricultural/Scientific Academy.* California Department of Education 1997.
- Brown, J.Kirk, *English,Gym, Algebra...Biotech* ,The Journal of Life Science pg 68-69 June/July 2008