

8:30am – 9:45am

*continued*

### Homework Assignments that Engage Students, Foster Creativity, and Teach Content

*Mesilla* (Capacity: 100)

Hands-On Workshop • General Biology • JH HS

Here are some favorite assignments that often have students asking for more. Get a chance to try your own song writing, model building, puzzle solving, and advertisement writing as we think about biology content in a variety of ways. Handouts will be provided.

- Susan Plati, Brookline HS, Brookline, MA

### Organelle of the Day

*Nambe* (Capacity: 40)

Hands-On Workshop • General Biology • GA

Learn and practice a new approach to microscopes to learn about cell structure. Student and teacher versions of all activities will be available.

- Whitney Hagins and Kenneth Bateman, Lexington HS, Lexington, MA

### Model Building and Use in Teaching

*Navajo* (Capacity: 40)

Demonstration • Instr.Strategies & Technologies • GA

Learn how to design, build, and use inexpensive, easy-to-make models that help students visualize organisms and concepts.

- Joan Bradley, The Ohio State University, Mansfield, OH

### Genes vs. Jeans: Cracking the Code of Genetics

*Pecos* (Capacity: 75)

Hands-On Workshop • Genetics • E JH

Engage students in the wonders of genetics using Skittles® to show mitosis and meiosis, code-breaking skills,

and real “jeans” to determine your genetic makeup.

- Camille Stegman and Connie Robertson, Virginia City Middle School, Virginia City, NV; Jennifer Willden, Hugh Gallagher Elementary, Virginia City, NV

### Using Ecological Techniques To Simulate Natural Selection

*Picuris* (Capacity: 100)

Hands-On Workshop • Evolution • HS 2C

Participants will use a predator/prey dynamic, the line intercept method for measuring plant cover, and the chi-square goodness-of-fit test to investigate natural selection.

- Paul Strode, Boulder HS, Boulder, CO; Tara Cardoza, University of Colorado, Boulder, CO

### Do I Have To Go, Too? Student-Involved Parent Conferences

*Ruidoso* (Capacity: 80)

Hands-On Workshop • Instr.Strategies & Technologies • HS

Step-by-step approach for developing effective student-involved parent conferences designed to stimulate student interest in their own progress as they tell their own academic story. This format can be adapted to nearly any parent-teacher conference setting and becomes a framework for improved communication between students, parents, and their teachers.

- Sandra Lagen and Kathleen Luczynski, Downers Grove South HS, Downers Grove, IL

### BIOZONE Student Workbooks & Presentation Media

*Sandia* (Capacity: 58)

Exhibitor Demonstration • General Biology • HS 4C

BIOZONE’s critically acclaimed biology student workbooks will be showcased by the author. Using highly visual content and a write-on format, students are able to efficiently explore key biological concepts. Biozone’s new Presentation Media titles (Ecology,

Health & Disease, Genetics & Evolution) will be demonstrated. FREE samples of the workbooks will be provided to those attending this session.

- Richard Allan, BIOZONE, Hamilton, NZ

### TGT-Cooperative Review

*San Miguel* (Capacity: 150)

Hands-On Workshop • Instr.Strategies & Technologies • GA

TGT is a strategy whereby academically heterogeneous study groups work cooperatively to master material, then “compete” in academically homogeneous groups to earn points for their study group. This interactive workshop will examine TGT and how it can be used for review and homework reinforcement.

- Meg O’Mahony, University of Toronto Schools, Toronto, ON

### WOW Biology: Part V

*Santa Ana* (Capacity: 60)

Hands-On Workshop • General Biology • JH HS

Join the Mississippi Association of Biology Educators and the Jackson Public School District as they share some of their favorite science literacy and required lab activities.

- Madelene Loftin, Wingfield HS, Jackson, MS; Mary Branson, Callaway HS, Jackson, MS; Jammy Hemphill, Forest Hill HS, Jackson, MS

### Forensic Biology: The Perfect Fit

*Taos* (Capacity: 100)

Hands-On Workshop • General Biology • JH HS

One size doesn’t fit all! Explore three options for incorporating motivational forensic activities. Meet the *National Science Education Standards* while awakening student interest. Activities and handouts will be available.

- Karen O’Neil, Pioneer Valley Regional School, Northfield, MA; Kate Dollard, Northampton HS, Northampton, MA

## Teaching the History of Evolution

*Tesque* (Capacity: 60)

Paper • Evolution • HS GA

Come learn how the use of a historical perspective to teach evolution gives students an appreciation for the nature of science and an understanding of evolution's influence.

- Carolyn Bradley, University High School of Indiana, Carmel, IN

## Virtual Dissection: The Best of the Best

*Tijeras* (Capacity: 45)

Demonstration • General Biology • HS

A pathologist takes you on a guided tour of the best virtual dissection software: *Digital Frog 2* and *DryLab Fetal Pig*. Borrow them **free** for your class.

- Nancy Harrison, Scripps Mercy Hospital Chula Vista, San Diego, CA

## Biology, The Living Science: Buying into Standardized Achievement

### Tests and Having Fun

*Zuni* (Capacity: 50)

Demonstration • General Biology • HS GA

*Biology, the Living Science*, addresses strategies for those who are most at risk. Both pedagogy and sample lessons will be presented that ensure all students succeed in biology.

- Christyna Laubach and Beverly Brunette, Lenox Middle and High School, Lenox, MA

## 8:30am – 10:00am

### BIO-RAD Genes in a Bottle™ Kit

*Cimarron* (Capacity: 75)

Exhibitor Demonstration • Biotechnology • HS 4C

Can I see your DNA? The first step in many research applications is isolating the DNA sample. Introduce your students to molecular biology with their own DNA. In this hands-on workshop you will extract the DNA from your own cheek cells then watch it precipitate from solution as floating white

strands. Collect and transfer the DNA strands to create a fashionable necklace. This simple procedure is used to extract DNA from many different organisms for a variety of real research applications. Bring only your imagination and take home your own DNA – in a necklace. Another BIO-RAD lab your students will never forget! Learn key background and how to prep the lab.

- Sherri Andrews, BIO-RAD, Hercules, CA

## 8:30am – 11:30am

### Introduction to Biotechnology

*Apache* (Capacity: 45)

Hands-On Workshop • Biotechnology • HS

New to biotechnology? Come learn the basic labs and practice the techniques taught in every beginning biotechnology course. Join us at any time during the workshop!

- Elizabeth Paine and Whitney Hagins, Carolina Biological Supply Company, Burlington, NC

## 8:30am – 4:00pm

### Macroevolution: Evolution Above the Species Level

*Brazos* (Capacity: 200)

Symposium • Evolution • GA

How do new species and higher taxa originate? How do major innovations, such as sexual reproduction; flowers; and insect, bird, and bat wings, evolve? Basic mechanisms of microevolution (evolutionary change below the species level, among populations and within species) can produce macroevolutionary change (the evolution of novel traits, of species, and of lineages) if given enough time. Macroevolutionary studies explore the evolutionary forces and events that generate the characteristic features of new taxa, the radiations of lineages and their extinctions, and the evolutionary patterns produced by physical processes (e.g., continental drift) on living and extinct organisms.

Presentations in this symposium will provide current information about macroevolutionary processes, the distinctions between and the interactions of micro- and macroevolution, the development and evolution of “key innovations” and major lineages of organisms, and the evidence for these processes. Classroom activities developed by BSCS will be integrated into the program so that educators can gain hands-on experience teaching about macroevolution and learn new ways to improve student understanding of the concept.

- Philip Gingerich, University of Michigan, Ann Arbor, MI; Nicole King, University of California, Berkeley, CA; Scott Hodges, University of California, Santa Barbara, CA; Jeff Levinton, State University of New York at Stony Brook, Stony Brook, NY; David Jablonski, University of Chicago, Chicago, IL; Nipam Patel, University of California, Berkeley, CA

## 9:00am – 11:30am

### BIO-RAD Crime Scene Investigator PCR Basics™ Kit

*Dona Ana* (Capacity: 75)

Exhibitor Demonstration • Biotechnology • HS 4C

Which human DNA sequences are used in crime scene investigations and why? In this workshop you will assume the role of crime scene investigator. You will learn which human DNA sequences are used by forensic scientists and how trace amounts of DNA can be used to identify a person. You will learn to use the polymerase chain reaction (PCR) and gel electrophoresis to identify which of a number of suspects can be exonerated – based on DNA evidence. This hands-on workshop teaches the basics of polymerase chain reaction (PCR), gel electrophoresis, and statistics of chance associated with modern DNA fingerprinting. Learn key background and how to prep the lab. Do exactly what your students will do.

- Stan Hitomi and Kirk Brown, BIO-RAD, Hercules, CA

10:00am – 11:15am

## General Session

Kiva Auditorium

**Alejandro Sánchez Alvarado**  
University of Utah School of Medicine  
Salt Lake City, UT

Almost single-handedly, Alejandro Sánchez Alvarado has established a freshwater flatworm (an organism called *Schmidtea mediterranea*, or planaria) as a powerful new model system to study the molecular mechanics of regeneration. By identifying and characterizing regeneration at the molecular level, he hopes to gain a better understanding of how higher organisms, including humans, develop biologically. Alvarado is also Professor of Neurobiology and Anatomy at the University of Utah School of Medicine.

10:30am – Noon

### BIO-RAD Genes in a Bottle™ Kit

Cimarron (Capacity: 75)

Exhibitor Demonstration •  
Biotechnology • HS 4C

Can I see your DNA? The first step in many research applications is isolating the DNA sample. Introduce your students to molecular biology with their own DNA. In this hands-on workshop you will extract the DNA from your own cheek cells, then watch it precipitate from solution as floating white strands. Collect and transfer the DNA strands to create a fashionable necklace. This simple procedure is used to extract DNA from many different organisms for a variety of real research applications. Bring only your imagination and take home your own DNA – in a necklace. Another BIO-RAD lab your students will never forget! Learn key background and how to prep the lab.

– Sherri Andrews, BIO-RAD, Hercules, CA

11:30am – 12:30pm

### NABT Town Meeting

Kiva

Now is your chance to INTERACT with the NABT Board of Directors. Now is

the time to raise your questions and concerns and to hear those of your colleagues. Ideas are welcome as well.

12:30pm – 1:00pm

### Educate, Motivate, and Stimulate with “Active Learning Segments”

Acoma (Capacity: 71)

Demonstration • Molecular & Cell Biology • 2C 4C

Active student participation is the catalyst of a successful collegiate experience. Our “Active Learning Segments” focus on the EMS principles of teaching: Educate, Motivate, and Stimulate.

– Cathy Donald-Whitney, Collin County Community College District - CPC, McKinney, TX; Mary Weis, Collin County Community College District - SCC, Plano, TX

### The Little Worm that Could

Apache (Capacity: 60)

Paper • Molecular & Cell Biology • 2C

Learn about the use of the nematode *C. elegans* for the purpose of characterizing a group of polysaccharides, glycosaminoglycans (GAGs), that are found in amyloidoses such as Alzheimer Disease.

– Carla Beeber, Kingsborough Community College, Brooklyn, NY

### Using the Web To Teach Biology

Aztec (Capacity: 114)

Demonstration • General Biology • HS

The Internet offers a powerful tool to biology teachers. This seminar will explore a variety of online resources available to the biology classroom.

– Jennifer Albanese, Salesianum School, Wilmington, DE

### Biodiversity and Biological Filtering in a Southeast Swamp

Cochiti (Capacity: 72)

Paper • Environment/Ecology • HS 4C

Research was conducted in order to establish the biodiversity in a unique swamp environment that is designed to purify water after primary and secondary treatment.

– Barry Thompson, Augusta State University, Augusta, GA; Lindsay Belcher, Edmund Burke Academy, Waynesboro, GA; Rhead Smart, Vantage Point Campus HS, Thornton, CO

### High School Students’ Mental Models of Zoos: Are Zoos Conservation Organizations?

Isleta (Capacity: 45)

Paper • Environment/Ecology • HS 4C

Determining a student’s ZOOIQ may help educators decide upon the level of information that needs to be disseminated for a zoo visit.

– Patricia Patrick, University of North Carolina, Greensboro, NC

### Teaching Evolution in a Potentially Hostile Environment

Jemez (Capacity: 40)

Paper • Evolution • HS 4C

A presentation of research on the use of the creation/evolution continuum to effect changes in student attitudes about evolution. Other resources for teaching evolution will be reviewed.

– Mark Bland, University of Central Arkansas, Conway, AR

## Effects of the NSES on Attitudes Toward Science in Middle School Girls

Laguna (Capacity: 45)

Paper • Gender/Multicultural Issues • JH GA

Explore the results of a study on middle school girls' attitudes toward science in classrooms where teachers implement the *National Science Education Standards*.

- Carolyn Hayes, Central Indiana Educational Service Center, Indianapolis, IN

## Engaging Each Student in Large Lectures with Wireless Student Response Units

Nambe (Capacity: 20)

Paper • Instr.Strategies & Technologies • 2C 4C

Participants will use remote “clickers” as they discuss this interactive technology and describe its impact on student attitudes and content acquisition in six biology courses.

- Ralph Preszler, Angus Dawe, Charles Shuster, and Michele Shuster, New Mexico State University, Las Cruces, NM

## Using Emotional Intelligence as a Basis for Classroom Management

Sandia (Capacity: 50)

Paper • Instr.Strategies & Technologies • JH HS

Quantitative and qualitative data will be presented to demonstrate the effectiveness of using emotional intelligence strategies to manage negative student behavior.

- Susan Sernoffsky, Manchester HS, Manchester, CT

## Classroom Discussions: Getting Your Students To Actively Think During Class

Santa Domingo (Capacity: 50)

Demonstration • Instr.Strategies & Technologies • HS

Learn effective techniques/strategies to lead a better classroom discussion and

help your students learn more.

- Julie Baylor, Barrington HS, Barrington, IL

## The Biology Talent Show: The “Do-Re-Mi” of Life on Display

Tesuque (Capacity: 60)

Paper • General Biology • 2C 4C

An overview of a unique program in a biology setting: examples of the types of projects performed and produced by students and faculty in relation to topics studied.

- Fardad Firooznia, Lion Technology Inc., Lafayette, NJ

## Why Should a Science Teacher Visit Japan?

Tijeras (Capacity: 45)

Paper • Teacher Prep/Professional Development • JH GA

Come and find out how you can experience science teaching in a Japanese school with the Japan Fulbright Memorial Fund Master Teachers Program.

- Shauneen Giudice, Delmar Middle and Senior HS, Salisbury, MD

## 1:00pm – 2:30pm

### BIO-RAD ELISA Immuno Explorer™ Kit

Dona Ana (Capacity: 75)

Exhibitor Demonstration • Biotechnology • HS 4C

Biology's magic bullet? Unleash nature's tool kit and the power of antibody specificity to explore health science and immunology. In this hands-on workshop you will perform an ELISA (enzyme-linked immunosorbent assay), a real world antibody-based assay used to diagnose HIV/AIDS or bird flu, and to detect the molecular markers of cancer, pregnancy, and drug use. Germs spread via human contact, water, food, and the air – whether they emerge naturally or through acts of aggression. Learn to simulate a disease outbreak in your classroom and use ELISA to detect and track it. For biology, physiology, anatomy, and

health science courses. Learn key background and how to prep the lab

- Stan Hitomi and Kirk Brown, BIO-RAD, Hercules, CA

## 1:00pm – 3:30pm

### BIO-RAD pGLO™ Bacterial Transformation and Green Fluorescent Protein Purification Kits

Cimarron (Capacity: 75)

Exhibitor Demonstration • Biotechnology • HS 4C

Genetic engineering has led to a phenomenal explosion of new health treatments, agricultural applications, and environmental solutions. In this hands-on workshop create your own genetically modified organisms and designer proteins and explore the mechanisms of gene expressions and genetic selection. Transform bacteria with bioluminescent jellyfish gene that codes for the Green Fluorescent Protein (GFP); then purify GFP from transformed bacteria using a key process in biomanufacturing, chromatography! Learn key background and how to prep the lab. (AP Biology Lab 6)

- Sherri Andrews, BIO-RAD, Hercules, CA

## 1:15pm – 2:30pm

### Mass Extinctions and Global Climate Change: Integrating the Nature of Science and Biology

Acoma (Capacity: 71)

Paper • General Biology • HS 4C

An examination of global climate change and the nature of science can provide biology teachers with a vast amount of resources.

- Paul Narguizian, California State University, Los Angeles, CA

1:15pm – 2:30pm

*continued*

**Bird Flu Knocking on the Door: Molecular Stories from the CBM Aztec** (Capacity: 114)

Hands-On Workshop • Molecular & Cell Biology • HS 2C

The hemagglutinin protein functions as an amazing molecular machine to initiate influenza virus infection. What's this got to do with an avian flu pandemic?

- Karen Deboer, Waukesha, WI; Donna LaFlamme, St. Dominic School, Brookfield, WI

**Question First; Answer Last**

*Cochiti* (Capacity: 72)

Hands-On Workshop • Curr. Development/Supervision • HS

Allowing students to ask standards-inspired questions and develop inquiry activities of their own, before direct instruction provides them with the answers, and improves student performance.

- Ann Marie Wellhouse, River Valley HS, Campo, CA

**The Crittercam**

*Galisteo* (Capacity: 100)

Hands-On Workshop • Oceanography/ Marine Biology • HS

The “Crittercam,” as featured on national television, is a unique tool that has enhanced behavioral research of marine mammals and birds, sharks, and sea turtles.

- Mike Heithaus, Holt, Rinehart and Winston, Austin, TX

**Buccal Smear Gram Stain:**

**Gateway to Cytology**

*Isleta* (Capacity: 47)

Hands-On Workshop • General Biology • JH HS

One of the first skills students learn in studying cells is the difference between prokaryotes and eukaryotes. This lab activity allows students to simultaneously examine cells of both types from

a familiar source: their own mouth.

- William Anderson, Unionville HS, Kennett Square, PA; Sandra Litvin, C.F. Patton MS, Kennett Square, PA

**Put Some Energy into Teaching Glycolysis!**

*Jemez* (Capacity: 40)

Demonstration • General Biology • HS 2C

Want a new and energetic way of teaching glycolysis? Tired of students blocking out all the chemistry? Make it fun, exciting, and loud in a way they won't soon forget. Handouts provided.

- Mary Dettman, Seminole Community College, Sanford, FL

**Epidemiology, ELISA, and HIV**

*La Cienega* (Capacity: 90)

Hands-On Workshop • Molecular & Cell Biology • HS

Participate in an infectious disease outbreak, then perform an enzyme linked immunosorbent assay (ELISA) and learn how this powerful technique is used as a diagnostic and research tool.

- Gen Nelson, Germantown Friends School, Philadelphia, PA; Scott MacClintic, The Loomis Chaffee School, Windsor, CT

**Population Growth and Sustainability: Have Your Students Do the Math**

*Laguna* (Capacity: 45)

Hands-On Workshop • Environment/ Ecology • HS 4C

Using guided inquiry, students calculate and discover relationships among growth rate variables and apply this knowledge to predict growth trends for developed and developing countries.

- John Rastovac, Loyola University Chicago, Chicago, IL

**The Brain-Friendly Biology Classroom**

*Mesilla* (Capacity: 100)

Hands-On Workshop • General Biology • JH HS

Learn fun ways to incorporate current brain research into your classroom using activities and strategies intended to help energize your students while boosting student learning and retention.

- Tobi McMillan, Texas Tech University-HHMI, Lubbock, TX; Marianne Dobrovolny, Roosevelt HS, Lubbock, TX

**It Takes a College! Cooperating with Adjuncts for Safer Instruction**

*Nambe* (Capacity: 40)

Paper • Curr. Development/ Supervision • 2C

Community college faculties are often sharply divided between full time and adjunct. That makes our efforts toward better and safer instruction difficult. We'll introduce a new approach and materials to help every college faculty member build safe and sensible classroom environments.

- Juliana Texley, Palm Beach Community College, Boca Raton, FL

**Real World Learning Objects in Science, Math, Language Arts, and Technology**

*Navajo* (Capacity: 40)

Symposium • Teacher Prep/ Professional Development • 2C 4C

Experience firsthand the power of real world learning objects (RWLOs) to transform teaching and learning through effective technology-based instruction. These concise core instructional activities use real time data, telecollaborative learning, and primary source materials to improve student engagement. Through U.S. Department of Education funding under the PT3 Pathways project, faculty are currently developing and incorporating RWLOs into their preservice courses. Come find out how to utilize RWLOs from the Pathways RWLO Library in your classes.

- Becky Kapley, Cuyahoga Community College, Parma, OH; Sarah Mallory, La Grange College, La Grange, GA

**CANCELLED**

### **The Seven Daughters of Eve**

*Pecos* (Capacity: 75)

Hands-On Workshop • Genetics • HS

A “novel” idea has been kicked around for several years between the Science Department and the English Department. Let’s really do some cross-curricula instruction. History and English do this. Math and Science do this. But Science and English?

- Christine McOmber and Mary Ann Eiserman, Lake Zurich HS, Lake Zurich, IL

### **Modeling Life, Making Connections Between Living Organisms and Biology Class Content**

*Picuris* (Capacity: 100)

Hands-On Workshop • General Biology • JH HS

Learn how to help students conceptually understand the characteristics of living organisms and to connect biological concepts by constructing and modifying animal models.

- Austin Hitt, Coastal Carolina University, Conway, SC

### **mc square: Brain Science for Better Learning**

*Ruidoso* (Capacity: 80)

Hands-On Workshop • Instr.Strategies & Technologies • HS GA

**CANCELLED**

The mc Square is an ipod-like device for students that improves concentration and reduces stress by stimulating adaptation of the brain. Come try this unique learning tool used in Asia for 10 years. There will be a raffle at the workshop.

- Linda Samuels, The Science of Learning Center, Winthrop, MA

### **Socratic Seminars in the Biology Classroom**

*San Miguel* (Capacity: 150)

Hands-On Workshop • Instr.Strategies & Technologies • HS 4C

Socratic seminars are question-driven, text-based discussions that are facilitated and structured. This session will

demonstrate how to conduct them in biology classrooms.

- Lawrence Wakeford, Brown University, Providence, RI

### **Middle School *MicrobeWorld* Activities**

*Santa Ana* (Capacity: 60)

Hands-On Workshop • General Biology • E JH

A hands-on workshop highlighting low tech, low cost microbiology activities for upper elementary and middle school students. Based upon the NABT publication, *MicrobeWorld Activities*.

- Diane Catron, Arden Trickey-Glassman, Lauren Asher, and Luke Reid-Grasso, Santa Fe Preparatory, Santa Fe, NM

### **AP Biology Teachers’ Open Forum**

*Santa Domingo* (Capacity: 50)

Symposium • Instr.Strategies & Technologies • HS

Join other AP Biology teachers and the AP Biology Test Development Committee for a discussion of the 2006 exam, AP Audit, AP Biology Redesign, and other issues and concerns.

- Ron Balsamo, Villanova University, Villanova, PA; Mike Basham, El Dorado HS, Placerville, CA; John Lepri and Robert Cannon, University of North Carolina, Greensboro, NC; Carolyn Schofield-Bronston, Robert E. Lee HS, Tyler, TX; John McMillian, Central HS, Philadelphia, PA; Eileen Gregory, Rollins College, Winter Park, FL

### **Don’t Toss the Lab Manual Out with the Bathwater: How To Incorporate Inquiry into Cookbook Labs**

*Tesuque* (Capacity: 40)

Hands-On Workshop • General Biology • HS 2C

Want to incorporate inquiry into labs without tossing the lab manual? Join us for an interactive session to change cookbook labs into inquiry-based investigations.

- Betsy Morgan, Kingwood College, Kingwood, TX

### **How To Make a School Nature Trail**

*Tijeras* (Capacity: 45)

Paper • Botany & Microbiology • GA

A step-by-step explanation of how we made our integrated botanical and geological nature trail. Learn how to write memorable interpretive signs. Free readability kit will be available.

- Jim Wandersee, Louisiana State University, Baton Rouge, LA; Renee Clary, Mississippi State University, Mississippi State, MS

### **Evolution in Action: Modeling Insecticide Resistance in Mosquitoes**

*Zuni* (Capacity: 50)

Hands-On Workshop • Molecular & Cell Biology • HS 4C

Enzyme specificity, silent mutation, natural selection, and competitive inhibition will be modeled in this molecular story from the CBM. CDs and model lending information will be provided.

- Margaret Franzen, Pellissippi State Technical Community College, Knoxville, TN; Lynda Jones, Catlin Gabel School, Portland, OR

**2:45pm – 4:00pm**

### **Inquiry-Based Experiments Using Red Flour Beetles**

*Acoma* (Capacity: 71)

Demonstration • Instr.Strategies & Technologies • JH HS

A description of inquiry-based experiments related to genetics, life cycles, and environmental science using red flour beetles. Participants will receive free strains.

- Peggy Brown, Newburg HS, Newburg, MO

2:45pm – 4:00pm

*continued*

### AP Biology Share-A-Thon

*Aztec* (Capacity: 100)

Hands-On Workshop • Teacher Prep/  
Professional Development • HS

Do you teach AP Biology? Come share your ideas and suggestions and get new ones! New and veteran teachers welcome. Contributions will be compiled and shared.

- Jennifer Heck, The Agnes Irwin School, Rosemont, PA

### Maintenance of Body Temperature: An Inquiry Laboratory for Introductory Biology

*Cochiti* (Capacity: 72)

Hands-On Workshop • Environment/  
Ecology • 2C 4C

Join us to explore an inquiry lab exercise suitable for introductory biology courses. Participants will plan a project as if they were students.

- Janet Lanza, University of Arkansas, Little Rock, AR; Jim Winter, University of Arkansas, Little Rock, AR

### See into the Eye: Exploratorium Based Human Perception Activities

*Galisteo* (Capacity: 100)

Hands-On Workshop • Physiology • JH HS

Dissect your own eye with simple, safe, and effective hands-on (eyes-on) activities to get a better view on human eye physiology.

- Eric Muller, Exploratorium Teacher Institute, San Francisco, CA

### A Scientific “Holistic” Approach to Nutrition and Health

*Isleta* (Capacity: 47)

Paper • Human Health & Public Health • 2C 4C

*Nutrition Health and Wellness* is a new textbook edited with not only nursing and health science majors in mind but also edited for people who want to

learn the basics (including biology and some chemistry) about the food we eat and the fluids we drink.

- About Cherif and Bob Aron, DeVry University, Oakbrook Terrace, IL; Dianne Jedlicka, The Art Institute of Chicago, Chicago, IL; Sujata Verma, Ivy Tech State College, Fort Wayne, IN; Frank Burrows, Pearson Custom Publishing, Olympia Fields, IL

### NSBRI’s Series: From Outer Space to Inner Space – Life Science That’s Out of This World

*La Cienega* (Capacity: 90)

Hands-On Workshop • General Biology • E JH

The National Space Biomedical Research Institute funded by NASA has research on sleep, muscles and bone, nutrition, and cardiovascular systems with applications for the Earth-bound.

- Sonia Rahmati Clayton, Barbara Tharp, and Deanne Erdmann, Baylor College of Medicine, Houston, TX

### Sickle Cell Anemia: Molecular Stories from the CBM

*Laguna* (Capacity: 45)

Hands-On Workshop • Molecular & Cell Biology • HS 2C

Come learn about an innovative inquiry-based curriculum unit that uses physical models and other manipulative materials to explore sickle cell anemia, “the first molecular disease.”

- Shannon Colton and Tim Herman, Milwaukee School of Engineering, Milwaukee, WI; Judy Weiss and Marisa Awodey Roberts, Whitefish Bay HS, Whitefish Bay, WI

### The Family Tree Project

*Mesilla* (Capacity: 100)

Hands-On Workshop • Genetics • JH HS

A two-week outside assignment designed to assess students understanding of Mendelian Genetics and allow students to experience scientific discovery with original data collection.

- Bill McWeeny, Adams School, Castine, ME

### Microbial Activities in Biotechnology

*Nambe* (Capacity: 48)

Hands-On Workshop • Biotechnology • JH HS

Stimulate inquiry activities through laboratory activities. Sophistication of activities is influenced by available materials, time, and teachers’ comfort level. They are practical, using readily available local materials.

- John Fedors, Science Activities, Lincoln, CA

### NEURO-PALOOZA!!!

*Navajo* (Capacity: 42)

Hands-On Workshop • Physiology • GA

How do drugs, disease, and more affect brain function and perception? Explore these questions and more with all new hands-on activities from the Exploratorium.

- Karen Kalumuck, Exploratorium, San Francisco, CA

### Using Manipulative Materials To Teach Introductory Biology

*Pecos* (Capacity: 75)

Hands-On Workshop • Instr.Strategies & Technologies • HS 2C

This session will provide rationale for and examples using manipulative materials to represent abstract biological concepts to improve student learning in Introductory Biology.

- Richard Grumbine, Landmark College, Putney, VT

### WOW Biology: Part IV

*Picuris* (Capacity: 100)

Hands-On Workshop • General Biology • JH HS

Join the Mississippi Association of Biology Educators and the Jackson Public School District as they share some of their favorite hands-on and inquiry-based activities.

- Shelia Smith, Jackson Public Schools, Jackson, MS; Docia Generette and Windy Walker, Bailey Magnet HS, Jackson, MS; Tammy Cox, Provine HS, Jackson, MS

### Texas Tried and Tested: Volume 2

*Ruidoso* (Capacity: 80)  
Hands-On Workshop • General  
Biology • HS

Join us for another collection of hands-on classroom activities designed to engage and inspire at-risk students in biology and environmental science. CD-ROM will be provided to participants.

- Matt Wells, Eileen Newland and Sandra Coffey, Cy-Springs HS, Cypress, TX

### Reinforcing Biological Concepts Through Models and Manipulatives

*San Miguel* (Capacity: 150)  
Hands-On Workshop • Instr.Strategies & Technologies • HS

In this make-and-take session, participants will construct several manipulatives and models to demonstrate concepts such as enzyme catalysis, operons, steroid hormones, and evolution.

- Debbie Richards, Bryan HS, Bryan, TX

### Bio-Rhythms: Use a Song as a Hook: It's More Fun Than the Book

*Sandia* (Capacity: 50)  
Demonstration • Instr.Strategies & Technologies • HS 4C

Have more fun and cover material faster and better by using biology songs and raps!

- Arthur Siebens, Woodrow Wilson HS, Washington, DC

### A Wild Rose Pot Pourri

*Santa Ana* (Capacity: 60)  
Hands-On Workshop • General  
Biology • HS

A group of teachers from Alberta providing their favorite activities and labs for differentiated instruction in high school biology classes.

- Kim Burley, Lindsay Thurber Comp HS, Red Deer, Alberta; Jayni Caldwell, Foothills Comp. HS, Okotoks, Alberta

### Cell Energetics: Let it Pump You Up!

*Santa Domingo* (Capacity: 50)  
Demonstration • Molecular & Cell  
Biology • JH HS

Cell respiration and photosynthesis are among the hardest topics to teach in biology. Join us for some of our favorite activities and teaching tips to get your students “energized.”

- Angeliqe Biehl, Portage Northern HS, Portage, MI; Lynda Smith, Lakeshore HS, Stevensville, MI; Cheryl Hach, Kalamazoo Math and Science Center, Kalamazoo, MI

### Integrating Science and Math Through Inquiry

*Taos* (Capacity: 100)  
Hands-On Workshop • General  
Biology • JH HS

Explore simple hands-on activities that integrate science with math, and discuss methods to encourage student-initiated inquiry. Curriculum materials will be provided.

- Elisa Palmer, Illinois State University, Normal, IL

### Hands-on Inquiry Learning Through Forensic Science

*Zuni* (Capacity: 50)  
Paper • Biotechnology • JH HS

An inquiry learning unit on forensic biotechnology that can be based on

either actual DNA gels or digitally-generated gel results.

- Phillip Danielson and James Platt, Denver University, Denver, CO

**3:00pm – 4:30pm**

### BIO-RAD ELISA Immuno Explorer™ Kit

*Dona Ana* (Capacity: 75)  
Exhibitor Demonstration •  
Biotechnology • HS 4C

Biology's magic bullet? Unleash nature's tool kit and the power of antibody specificity to explore health science and immunology. In this hands-on workshop perform an ELISA (enzyme-linked immunosorbent assay), a real world antibody-based assay used to diagnose HIV/AIDS or bird flu, and to detect the molecular markers of cancer, pregnancy, and drug use. Germs spread via human contact, water, food, and the air – whether they emerge naturally or through acts of aggression. Learn to simulate a disease outbreak in your classroom and use ELISA to detect and track it. For biology, physiology, anatomy, and health science courses. Learn key background and how to prep the lab

- Stan Hitomi and Kirk Brown, BIO-RAD, Hercules, CA

**6:00pm – 10:00pm**

### Annual Banquet

*Sendero Ballroom (Hyatt)*

This final event of the 2006 Conference promises to be unforgettable. CONNECT with friends and colleagues over cocktails and dinner. Then listen to a presentation from NABT's 2006 Distinguished Service Award recipient, Shirley Malcom, head of the Directorate for Education and Human Resources Programs of the AAAS. Growing up in the racist South, she learned all about adversity. Her mother's church was bombed three times. At the predominantly white University of Washington, she was one of few black students. Never having had access to lab equipment, she failed her first two chemistry quizzes. Fortunately, a sympathetic TA (also African American) tutored her and she passed her course. That experience helped shape a career (originally as a teacher) that has benefited thousands of people.



## Past Presidents

2005—Rebecca E. Ross	1971—H. Bentley Glass
2004—Betsy Ott	1970—Robert E. Yager
2003—Catherine Ueckert	1969—Burton E. Voss
2002—Brad Williamson	1968—Jack Fishleder
2001—Ann S. Lumsden	1967—William V. Mayer
2000—Phil McCrea	1966—Arnold B. Grobman
1999—Richard D. Storey	1965—L.S. McClung
1998—ViviannLee Ward	1964—Ted F. Andrews
1997—Alan McCormack	1963—Philip R. Fordyce
1996—Elizabeth Carvellas	1962—Muriel Beuschlein
1995—Gordon E. Uno	1961—Paul V. Webster
1994—Barbara Schulz	1960—Howard E. Weaver
1993—Ivo E. Lindauer	1959—Paul Klinge
1992—Alton L. Biggs	1958—Irene Hollenbeck
1991—Joseph D. McNerney	1957—John Breukelman
1990—Nancy V. Ridenour	1956—John P. Harrold
1989—John Penick	1955—Brother H. Charles Severin
1988—Jane Abbott	1954—Arthur J. Baker
1987—Donald S. Emmeluth	1953—Leo F. Hadsall
1986—George S. Zahrobsky	1952—Harvey E. Stork
1985—Thomas R. Mertens	1951—Richard L. Weaver
1984—Marjorie King	1950—Betty L. Wheeler
1983—Jane Butler Kahle	1949—Ruth A. Dodge
1982—Jerry Resnick	1948—Howard A. Michaud
1981—Edward J. Kormondy	1947—E. Laurence Palmer
1980—Stanley D. Roth	1946—Prevo L. Whitaker
1979—Manert Kennedy	1945—Helen Trowbridge
1978—Glen E. Peterson	1944—Merle A. Russell
1977—Jack L. Carter	1943—Merle A. Russell
1976—Haven Kolb	1942—Homer A. Stephens
1975—Thomas J. Cleaver	1941—George W. Jeffers
1974—Barbara K. Hopper	1940—Malcolm D. Campbell
1973—Addison E. Lee	1939—Myrl C. Lichtenwalter
1972—Claude A. Welch	

## Distinguished Service Award Recipients

- 2006 Shirley Malcom, AAAS, Washington DC
- 2005 James A. Thompson, V.M.D., University of Wisconsin–Madison, Madison, WI; and Nina Leopold Bradley, Aldo Leopold Foundation, Baraboo, WI
- 2004 Barbara Bancroft, RN, MSN, PNP, CPP Associates, Inc., Chicago, IL
- 2003 Roberta Pagon, M.D., Children’s Hospital & Regional Medical Center, Seattle, WA
- 2002 Thomas E. Lovejoy, The H. John Heinz III Center for Science, Economics and the Environment, Washington, DC
- 2001 E.O. Wilson, Harvard University, Cambridge, MA
- 2000 Roger and Deborah Fouts, Chimpanzee and Human Communication Institute, Ellensburg, WA
- 1999 Jack Horner, Museum of the Rockies, Bozeman, MT
- 1998 Dr. Leroy Hood, University of Washington, Seattle, WA
- 1997 Neal Lane, Director, National Science Foundation, Washington, DC; and Donald Kennedy, Stanford University, Palo Alto, CA
- 1996 Dr. Francis Collins, National Institutes of Health, Bethesda, MD
- 1995 Carl Djerassi, Stanford University, Palo Alto, CA
- 1994 Bruce Alberts, National Academy of Sciences, Washington, DC
- 1993 Nancy S. Wexler, College of Physicians and Surgeons of Columbia University, New York State Psychiatric Institute, New York, NY
- 1992 Paul R. Ehrlich, Stanford University, Palo Alto, CA
- 1991 Stephen Jay Gould, Harvard University, Cambridge, MA
- 1990 Peter Raven, Missouri Botanical Garden, St. Louis, MO
- 1989 Stanley Cohen, Stanford University, Palo Alto, CA
- 1988 Lynn Margulis, University of Massachusetts, Boston, MA; and James D. Watson, Cold Spring Laboratory, Cold Spring Harbor, NY

## Honorary Members

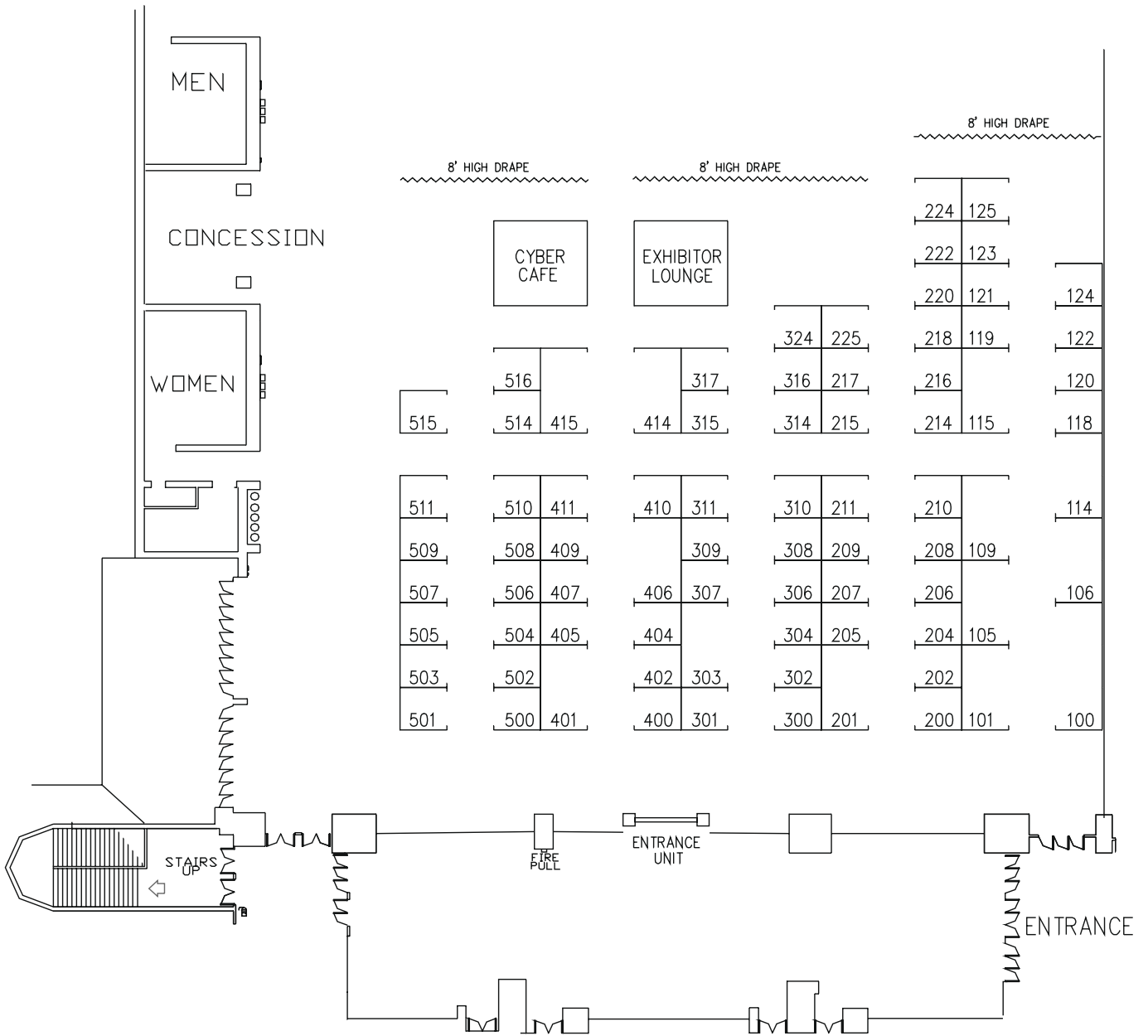
- 2006–Terry Hufford
- 2005–Randy Moore & Eugenie Scott
- 2004–John Penick
- 2003–Donald Emmeluth
- 2002–Leonard Blessing
- 2001–Gordon E. Uno
- 2000–Elizabeth Carvellas
- 1998–Ivo Lindauer
- 1997–Sam Rhine
- 1996–Kenneth S. House
- 1995–Joseph D. Novak
- 1994–Nancy V. Ridenour & Alton L. Biggs
- 1993–George S. Zahrobsky
- 1992–Jon R. Hendrix
- 1991–Robert E. Yager
- 1990–Jane Butler Kahle
- 1989–Joseph D. McInerney
- 1988–Thomas Mertens & Marjorie King
- 1987–Floyd Nordland
- 1986–Donald S. Dean
- 1985–Stanley Weinberg
- 1984–Jack Carter & Samuel Postlethwait
- 1983–Manert Kennedy
- 1982–Harold “Sandy” Wiper & Jerry P. Lightner
- 1981–Sophie Wolfe
- 1980–Sister M. Gabrielle, Ted F. Andrews & Sister Marian Catherine McGrann
- 1979–Ingrith Olsen
- 1978–John A. Moore
- 1977–Addison E. Lee
- 1976–Paul DeHart Hurd
- 1975–Garrett Hardin & Stanley E. Williamson
- 1974–H. Seymour Fowler
- 1973–William V. Mayer
- 1972–Chester A. Lawson, Paul E. Klinge & Robert L. Gantert
- 1969–Arnold B. Grobman
- 1965–John Breukelman, H. Bentley Glass, George W. Beadle, Paul B. Sears & Brother H. Charles Severin
- 1964–E. Laurence Palmer, Hermann J. Muller, Roger Tory Peterson, Oscar Riddle & Helen Irene Battle

## NABT Board of Directors & Regional Coordinators

- President: Toby Horn
- President-Elect: Patricia Waller
- Past President: Rebecca Ross
- Secretary/Treasurer: Brian Shmaefsky
- Director at Large: Pam Tabery
- Director at Large: Sharon Radford
- Director/Coordinator: John Moore
- Director/Coordinator: Louisa Stark
- Executive Director: Wayne Carley
- Region I: Eileen Roark
- Region II: Sandra (Sandy) Latourelle
- Region III: John Moore
- Region IV: Susie Helwig
- Region V: Bobbie S. Hinson
- Region VI: Beth Walston
- Region VII: Sally Fenska
- Region VIII: Louisa Stark
- Region IX: John W. Fedors
- Region X: Meg O’Mahony

# Exhibit Hall Floor Plan

## ALBUQUERQUE CONVENTION CENTER



## A & D Weighing

Milpitas, CA

A & D, an ISO 9001 certified company, designs and manufactures a complete line of electronic balances, scales, moisture analyzers, weighing indicators, controllers, and viscometers for laboratory, education, and industrial applications. Founded in 1977, A & D is a multinational company with operations in Asia, Australia, Europe, and the United States.

Booth #210

## ADIInstruments

Colorado Springs, CO

ADIInstruments specializes in PowerLab Data acquisition systems, Chart and Lab Tutor teaching software, transducers, and signal conditioners for life sciences.

Booth #502

## Amazonia Expeditions

Peru

Amazonia Expeditions offers educational travel programs to the western Amazon lowland rainforest.

Booth #208



## American Association for the Advancement of Science

Washington, DC

AAAS, the world's largest general scientific society, presents *The Evolution Dialogues*, a resource that explores evolutionary science, Christianity, and why the two need not conflict.

Booth #311

## American Association for Lab Animal Science

Memphis, TN

AALAS provides accurate information about responsible laboratory animal care and use and the benefits of biomedical research to both people and animals. A great classroom resource: [www.kids4research.org](http://www.kids4research.org).

Booth #306



## American Institute of Biological Sciences (AIBS)

Washington, DC

The American Institute of Biological Sciences is a nonprofit scientific association dedicated to advancing biological research and education for the welfare of society. AIBS advances its mission through coalition activities in research, education, and public policy; publishing the peer-reviewed journal *BioScience* and the education Web site [ActionBioscience.org](http://ActionBioscience.org), and other activities: [www.aibs.org](http://www.aibs.org).

Booth #310



## American Physiological Society

Bethesda, MD

The American Physiological Society offers teachers print/multi-media/online resources for K-12 science education, including summer research programs, inquiry-based classroom laboratory activities, and workshops.

Booth #303/305

## American Society for Cell Biology

Bethesda, MD

The American Society for Cell Biology is dedicated to the promotion of research and education in cell biology. The Society's booth provides copies of *CBE—Life Sciences Education*, *Exploring the Cell*, and career advice materials of interest to teachers and students.

Booth #307

## American Society for Clinical Pathology

Chicago, IL

Get free brochures to introduce students to careers in pathology and laboratory medicine such as medical technology, molecular pathology, forensic pathology, histotechnology, cytotechnology, and more.

Booth #304



## American Society for Microbiology

Washington, DC

The ASM Education Board offers programs and resources in the microbiological sciences for students, early career scientists, and faculty. Available at the booth is information on careers in microbiology, research fellowships, curriculum materials, conferences and summer institutes. ASM Press, the book publishing division of ASM, will be exhibiting a selection of textbooks and general interest titles at the meeting. ASM Press offers a 10% discount on all orders placed at the meeting.

Booth #302

## American Society of Plant Biologists

Rockville, MD

ASPB offers free materials, handouts, bookmarks, and baseball-type cards demonstrating the principles of plant biology and its relevance to everyday life for K-12 students.

Booth #324



## Animalearn

Jenkintown, PA

Visit the Animalearn booth, where you will have the opportunity to examine some of the latest realistic animal models and innovative CD-ROMs featured in the Science Bank — our free alternative to dissection lending library!

Booth #407



## Benjamin Cummings

San Francisco, CA

As the foremost science publisher in higher education, Benjamin Cummings is dedicated to providing educators and students with the highest quality science textbooks and related resources. Our life science textbooks include such standard-bearing titles as *Biology, Seventh Edition*, by Neil Campbell and Jane Reece; *Biology: Concepts & Connections* by Campbell, Reece, Taylor, and Simon;

and *Human Anatomy* by Martini, Timmons, and Tallitsch; as well as innovative new texts such as *Essential Environment* by Scott Brennan and Jay Withgott.

Booth #411



## **Bio Corporation** Alexandria, MN

Bio Corporation has all the highest quality preserved specimens, dissection equipment, and safety supplies you need at the lowest prices. We also offer a variety of educational movies, software CD-ROMs, anatomical charts, and 3D models. Compare our prices!

Booth #501



## **Bio-Rad Laboratories** Hercules, CA

Best practices begin with the real thing. Bio-Rad's Biotechnology Explorer kits are real-world biotechnology activities aligned with multiple curriculum standards. Learn more: [explorer.bio-rad.com](http://explorer.bio-rad.com).

Booth #406/408

## **BIOPAC Systems, Inc.** Santa Barbara, CA

Stop by for a demo of Biopac Student Lab or the NEW Biopac Science Lab—data-acquisition systems that engage student minds and develop critical thinking skills.

Booth #125

## **Biotechnology Institute** Arlington, VA

The Biotechnology Institute welcomes teachers, students, and science educators to NABT 2006. Stop by our booth to learn about how to become a Biotechnology Teacher-Leader and participate in our professional development programs.

Booth #214



## **BIOZONE International** Hamilton, NZ

See BIOZONE's critically acclaimed student workbooks for biology (grades 9-12) as well as our new Presentation Media (PowerPoint titles on CD-ROM). Attend one of our two workshops to receive FREE samples.

Booth #200

## **Blue Spruce Scientific** Boulder, CO

Blue Spruce Scientific is an established supplier of biological products including preserved and living specimens, biology kits, microscopes, slides, lab equipment, anatomy models, and biotechnology.

Booth #504



## **Brooks/Cole, Thomson** Belmont, CA

Thomson Brooks/Cole and Outernet have joined to offer a wide array of life/environmental science texts and lab manuals for colleges and high schools.

Booth #508/510



## **BSCS** Colorado Springs, CO

BSCS develops innovative, inquiry-based science curricula for grades K-college, provides professional development for educators and conducts research and evaluation studies.

Booth #108/110



## **Carolina Biological Supply Company** Burlington, NC

Carolina Biological Supply Company serves the K-16 market with everything needed to equip a science laboratory or classroom. A complete catalog is free to educators.

Booth #207/209

## **Center for Biophotonics** University of California, Davis

Biophotonics uses light technologies to investigate living systems. Bring this exciting cutting-edge science into your biology, health, or integrated science class!

Table 1

## **Current Publishing Corp.** Rancho Santa Margarita, CA

Current Publishing Corp. publishes marine science educational programs and services. Its newest program, "Life on an Ocean," has been developed for high school students.

Booth #514

## **Earthwatch Institute** Maynard, MA

Earthwatch Institute offers the opportunity to work on global conservation research. Projects range in discipline from archaeology to zoology. No experience necessary. Educator fellowship available.

Booth #405



## **Ecology Project International** Missoula, MT

Ecology Project International improves conservation and inspires science education through partnering students with scientists on field courses in the Galápagos Islands, Costa Rica, Mexico, and the USA.

Booth #205



## **EDVOTEK, Inc.** Bethesda, MD

EDVOTEK, the Biotechnology Education Company, offers the most comprehensive array of biotechnology experiments, reagents, biologics, and injection-molded electrophoresis equipment. Call 1-800-EDVOTEK for a free catalog.

Booth #400

## Environmental Health Perspectives/NIEHS

Research Triangle Park, NC

Environmental Health Perspectives Student Edition is a free online resource that pairs news articles from the number one environmental health journal in the world with exciting, engaging high school science lessons that cover the full spectrum of disciplines and science education standards. Visit us online at [www.ehp.org/science-ed/](http://www.ehp.org/science-ed/).

Booth #300

## Examgen, Inc.

Syracuse, NY

Examgen is the leading publisher of test item banks with test generator for secondary schools. We support science, math, and social studies

Booth #507



**Flinn Scientific**  
Batavia, IL

Flinn Scientific Inc. is the leader in science and laboratory chemical safety. Flinn publishes the world renowned *Flinn Catalog/Reference Manual*. Flinn Scientific develops and offers a full line of chemistry, biology, physics, life science, earth science, physical science, and safety products for high schools and middle schools.

Booth #315

## FOTODYNE, Incorporated

Hartland, WI

Visit our booth and enter to win a free teaching kit! FOTODYNE offers durable biotechnology equipment and innovative teaching kits to bring molecular biology to the classroom. Electrophoresis equipment, digital imaging systems, supplies, and kits will be on display. You can also learn about our educational outreach partnerships and hands-on workshops: [www.fotodyne.com](http://www.fotodyne.com).

Booth #410

## Genisphere Inc.

Hatfield, PA

Genisphere offers a hands-on wet lab simulation for DNA Chip assays that highlights the role of gene expression microarrays in disease detection and diagnosis.

Booth #124



**Glencoe/McGraw-Hill**  
Columbus, OH

Glencoe/McGraw-Hill is an established leader in curriculum development of life science/biology curriculums, which are supported with innovative technology that you can integrate for effective learning. Curricula available include those developed by the National Science Foundation.

Booth #500



**Holbrook Global Field Expeditions**  
Gainesville, FL

Holbrook Global Field Expeditions is committed to providing educators, students, and life-long learners field opportunities for hands-on, real life experiences through safe travel designed and commenced within the guidelines of sustainable eco-tourism in exotic destinations around the world. We invite educators to explore our programming through [www.holbrooktravel.com](http://www.holbrooktravel.com) or call us at 888-890-0632.

Booth #202



**Kendall/Hunt Publishing Company**  
Dubuque, IA

Kendall/Hunt Publishing offers a variety of K-college biology curricula, including programs by BSCS and Education Development Center, Inc.

Booth #100/102/104

## La Suerte

Miami, FL

La Suerte and Ometepe Field Stations are dedicated to research, education, and conservation. Open to groups and

individuals willing to learn in the natural rainforests!

Booth #118

## LEGO Education

Pittsburgh

LEGO Education provides standards-based, hands-on science, math, and technology curricula including robotics, simple machines, structures, energy, and physical science that engage and motivate students.

Booth #503



**Leica Microsystems**  
Bannockburn, IL

Leica Microsystems presents educational microscopes with superior optics. The DM E offers crisp, clear images and high durability. The new Leica E-Series StereoZoom® provides unique benefits such as dimmable LED illumination and direct image transfer. Leica ... Outstanding value for science teaching.

Booth #201/203

## LSU/School Technology Resources

Baton Rouge, LA

LSU's Scope-On-A-Rope program is developing new applications for this technology. Your classes can see excellent live images, including microscopic samples, on a television or computer.

Booth #122

## Motic Digital Microscopy

Hong Kong

We provide all-inclusive digital microscopy products at very competitive prices to enhance both teaching and learning of science.

Booth #516

## Nasco

Modesto, CA

This catalog lists equipment and supplies for general science, biology, chemistry, physical science, earth science, and technology education.

Includes many items developed by Nasco and sold only through our catalog. Specialty items include living and Nasco-guard preserved specimens. Special emphasis is placed on hands-on science investigations and safety in the classroom. Visit us on the Web at [www.enasco.com](http://www.enasco.com).

Booth #404

## National Center for Science Education

Oakland, CA

NCSE is the only organization in the country dedicated to supporting the teaching of science in the public schools.

Booth #309



## National Evolutionary Synthesis Center

Durham, NC

The National Evolutionary Synthesis Center (NESCent) is an interdisciplinary research institute that provides resources for teachers on the latest discoveries in evolutionary biology.

Booth #308

## National Human Genome Research Institute

Bethesda, MD

The National Human Genome Research Institute supports genetic and genomic research, investigation into the ethical, legal, and social implications surrounding genetics research and educational outreach activities. Francis S. Collins, M.D., Ph.D., is the director.

Booth #119



## National Institutes of Health

Bethesda, MD

The Office of Science Education (OSE), along with 27 institutes that comprise the National Institutes of Health (NIH), develops and distributes free science education materials for K-12.

Booth #301

## National Library of Medicine

Bethesda, MD

A world of knowledge for the nation's health ([www.nlm.nih.gov](http://www.nlm.nih.gov)), NLM provides free access to Internet health information including PubMed (MEDLINE), Medline Plus (patient education), and [ClinicalTrials.gov](http://ClinicalTrials.gov).

Booth #216



## NeoSCI

Nashua, NH

NeoSCI provides innovative products for teaching curriculum-based science topics to K-college students. We feature unique virtual software integrated with hands-on labs.

Booth #204

## Nutrients for Life Foundation

Washington, DC

The Nutrients for Life Foundation, a non-profit organization, aims to educate individuals about the impact plant nutrients have on our environment, our crops, our foods, and our health. Through a grant to BSCS, the foundation underwrote development of supplemental science curriculum materials for middle and high school students and teachers to improve understanding of soil science and plant nutrition.

Booth #505



## PASCO

Roseville, CA

PASCO offers award-winning probe-wire solutions and standards-based teaching materials for biology and environmental science that allow students to collect and analyze data in the classroom and in the field.

Booth #211



## Pearson Prentice Hall

Upper Saddle River, NJ

Pearson Prentice Hall offers a complete array of exciting educational products at the middle and high school levels.

Research-based core curriculum textbooks, ancillaries, electronic media, and professional development programs provide you with the latest and most engaging teaching and learning materials available.

Booth #415/417



## Prentice Hall Publishing

Upper Saddle River, NJ

Prentice Hall welcomes you to NABT 2006. As a full service biology publisher, we have a wide variety of textbook offerings to meet the needs of your curriculum. Please stop by our booth to browse our titles and integrated media offerings. To view our online catalog, visit [www.prenhall.com/biology](http://www.prenhall.com/biology).

Booth #515

## Red Hill Studios

Larkspur, CA

Red Hill Studios presents *BioInvestigators!*, a forensic biology game that challenges students to solve real world cases using DNA analysis. Try the demo!

Booth #509

## Sargent Welch

Tonawanda, NY

Sargent-Welch is the single source for your science equipment needs. We are also the premier provider of classroom/science lab furniture and biotechnology support materials.

Booth #114/116



## Science Kit & Boreal Laboratories

Tonawanda, NY

Science Kit provides educators the tools necessary to maximize teaching effectiveness in K-12 science. Our philosophy revolves around helping teachers make a world of difference.

Booth #115/117

## SimBiotic Software

Ithaca, NY

We'll demonstrate *EcoBeaker*, *EvoBeaker*, and other innovative

computer programs for teaching college and secondary ecology, evolution, environmental science, neurobiology, and cell biology using interactive simulations.

Booth #414/416

### Speak Easies

Santa Rosa, CA

Speak Easies produces standards-based magnetic teaching aids for the biology lesson. These colorful aids can guide the teacher's lecture or be actively used by students.

Booth #402

### Teaching Magazine/Agent K-12

Bethesda, MD

Booth #121



### Texas Instruments

Dallas, TX

Texas Instruments educational technology, training, and curricular materials are designed to help increase student achievement in biology. Visit TI's booth or [education.ti.com](http://education.ti.com).

Booth #105/107

### The College Board

New York, NY

The College Board's mission is to connect students to college success and opportunity. We are a not-for-profit membership organization committed to excellence and equity in education.

Booth #314

### 3D Molecular Designs & MSOE Center for Biomolecular Modeling

Milwaukee, WI

3D Molecular Designs and Center for BioMolecular Modeling provide molecular models and professional development for educators including magnetic Water & DNA Kits and SMART Teams.

Booth #225

### TOUCH OF LIFE TECHNOLOGIES

Aurora, CO

The VH Dissector correlates cross-sectional and 3-dimensional anatomy in an interactive environment. The easy-to-use interface, presenting the complete male anatomy and the female pelvis, provides access by system, region, index search, or through directed lessons and lecture notes.

Booth #206

### U.S. Department of Energy Genome Programs

Oak Ridge, TN

The U.S. Department of Energy Genome Programs provides human and microbial genomics education materials for students and teachers including posters, primers, brochures, workbooks. Learn about genomic solutions to energy and environmental problems including biofuels.

Booth #317



### US Micro Optical Solutions

Buffalo, NY

US Micro-Optical Solutions presents a complete line of educational microscopes. The new student Forensic and Polarized microscope will be displayed. All offer high image quality, illumination, durability, comfort, and affordability. US Micro offers microscopes designed with features optimizing science education that last for years. Our exhibit staff will discuss any service or preventative maintenance questions you may have.

Booth #511



### Vernier Software & Technology

Beverton, OR

Vernier is the leader in data-collection technology for biology and life science education. Stop by our booth to see some exciting new products developed just for you!

Booth #101/103

### Virginia Commonwealth University

Richmond, VA

Fifty free online biology videos with lesson plans available at [www.vcu.edu/lifesci/sosq](http://www.vcu.edu/lifesci/sosq). Also week-long summer workshops in forensics and other life sciences in historic Richmond, [www.vcu.edu/workshop](http://www.vcu.edu/workshop).

Booth #215

### Virtual Courseware Project

Los Angeles, CA

Mate fruit flies, measure geologic time, or experiment with evolution online! Learn about free inquiry-based simulation activities for enhancing your curriculum at [www.ScienceCourseware.org](http://www.ScienceCourseware.org).

Booth #316



### Ward's Natural Science

Rochester, NY

Ward's, unsurpassed in quality and service, offers biology teachers the most thorough and innovative product line. Stop by our exhibit to preview our biological specimens and products and experience the Wards difference.

Booth #109/111



### Wiley

Hoboken, NJ

Founded in 1807, John Wiley & Sons, Inc. is an independent global publisher of print and electronic products. Wiley specializes in scientific and technical books, journals, textbooks, and education materials for colleges and universities, and professional and consumer books and subscription services. Wiley's Internet site can be accessed at <http://www.wiley.com>.

Booth #401/403



# Program Participants

## A

Abrams, Joan . . . . . 21, 22  
Adams, Caroline . . . . . 54  
Adamson, Bob . . . . . 53  
Albanese, Jennifer . . . . . 60  
Allan, Richard . . . . . 35, 54, 58  
Almedia, Sylvia . . . . . 50  
Anderson, Margery . . . . . 53  
Anderson, William . . . . . 62  
Andrews, Sherri . 45, 50, 59, 60, 61  
Aron, Bob . . . . . 64  
Asher, Lauren . . . . . 63  
Awodey Roberts, Marisa . . . . . 64  
Azpell, Betty Jo . . . . . 45

## B

Balsamo, Ron . . . . . 63  
Bancroft, Barb. . . . . 54  
Barker, Cookie . . . . . 28  
Barker, Jean. . . . . 45  
Basham, Michael . . . . . 29, 63  
Bateman, Kenneth . . . . . 6, 58  
Baylor, Julie. . . . . 54, 61  
Beachly, Bill. . . . . 33  
Beck, Jason . . . . . 31  
Beeber, Carla. . . . . 51, 60  
Belcher, Lindsay . . . . . 60  
Bell, Donald . . . . . 53  
Bell, Franklin . . . . . 13, 53  
Belzer, Sharolyn . . . . . 6, 24, 33  
Bergland, Mark. . . . . 32  
Bertino, Anthony . . . . . 29  
Biehl, Angeliq ue . . . . . 65  
Bielec, Barbara . . . . . 6, 46  
Biermann, Carol. . . . . 51  
Biggs, Alton. . . . . 25, 35  
Binlkey, Steve . . . . . 21, 27  
Black, Suzanne. . . . . 57  
Bland, Mark . . . . . 60  
Bliss, TJ . . . . . 36  
Bohrer, Kelly . . . . . 6, 27, 33  
Boldyreff, Roman . . . . . 45  
Bombaugh, Ruth . . . . . 50  
Bradley, Carolyn. . . . . 59  
Bradley, Joan. . . . . 58  
Brandner, Diane . . . . . 40, 47  
Branson, Mary . . . . . 58  
Brickman, Peggy . . . . . 27  
Brown, Kirk . . 45, 50, 59, 61, 65  
Brown, Peggy . . . . . 63  
Brunette, Beverly . . . . . 59  
Burley, Kim . . . . . 65  
Burrows, Frank . . . . . 64  
Burrowes, Patricia . . . . . 54  
Burton, Stephen . . . . . 25

## C

Bush, William . . . . . 55  
Byrnes, Cheri . . . . . 30  
Caldwell, Jayni . . . . . 65  
Calhoun, Bruce . . . . . 7  
Callahan, Tracy . . . . . 28  
Cannon, Robert . . . . . 63  
Canote, Dorothy . . . . . 29  
Cardoza, Tara . . . . . 58  
Carlson Powell, Janet . . . . 40, 48  
Caroll, Natalie. . . . . 26  
Carter, Todd . . . . . 46  
Castori, Pam . . . . . 21  
Catron, Diane . . . . . 40, 47, 63  
Cepeda, Linda . . . . . 25  
Chakeres, Chris . . . . . 40  
Chapman, Seri . . . . . 34  
Cheesman, Kerry . . . . . 6, 27, 33  
Cherif, Abour . . . . . 64  
Chirikijian, Jack . . . . . 7, 8  
Chowning, Jeanne . . . . . 31  
Clark, Sandra . . . . . 54  
Clary, Renee . . . . . 34, 63  
Cleary Sadler, Kim. . . . . 27  
Close, Pamela . . . . . 29  
Coffey, Sandra . . . . . 65  
Colgan, Wes. . . . . 53  
Collins, Sandy . . . . . 46  
Colton, Shannon . . . . . 64  
Connors, Margaret, . . . . . 26  
Cook, Bethany . . . . . 36  
Correiro, Elizabeth, . . . . . 35  
Cox, Laura . . . . . 54  
Cox, Tammy . . . . . 64  
Crane, Elizabeth. . . . . 29  
Cronkite, Donald . . . . . 12, 36  
Cutler, Ann . . . . . 25  
Cynkar, Tom. . . . . 7, 8

## D

Danielson, Philip . . . . . 65  
Daugherty, Ellyn . . . . . 28  
Dawe, Angus. . . . . 61  
Dawson, George. . . . . 33  
Day, Judy . . . . . 56  
Deaver, Emily . . . . . 36  
Deboer, Karen . . . . . 62  
Deichstetter, Peggy . . . . . 53  
DeRosa, Donald . . . . . 36  
DeSaix, Jean . . . . . 12, 27, 32  
DeSalle, Robert. . . . . 57  
Desharnais, Bob. . . . . 34  
Desy, Betsy . . . . . 36  
Dettman, Mary . . . . . 62

DeVos, Louis . . . . . 48  
Dixon, Kevin. . . . . 36, 51  
Dobrovolny, Marianne . . . . . 62  
Dollard, Kate . . . . . 58  
Donald-Whitney, Cathy . . . . . 60  
Donham, Paula. . . . . 13, 46  
Dorsey-Mott, Nancy . . . . . 25  
Doty, David. . . . . 6  
Ducceschi, Laura . . . . . 33  
Duncan, Richard . . . . . 46  
DuPré, Mike . . . . . 29  
Dzwinel, Thomas. . . . . 33

## E

Easter, Carla . . . . . 31  
Easter, Helena. . . . . 27  
Eckman Santisteban, Michelle . 50  
Egnin, Marceline . . . . . 34  
Eiserman, Mary Ann . . . . . 63  
Ellis, Cheryl . . . . . 45  
Ellis, Jane. . . . . 27  
Elsila, James . . . . . 6  
Elwess, Nancy . . . . . 53  
Emmanuel Adejare, Adedayo. . 26  
Enchou, Lui . . . . . 54  
Epel, David . . . . . 6, 52  
Erdmann, Deanne . . . . 34, 53, 64  
Esprivalo Harrell, Pamela. . . . 30

## F

Fedors, John . . . . . 64  
Finlay, Brett. . . . . 24  
Firooznia, Fardad. . . . . 61  
Flowers, Susan . . . . . 8, 36  
Fortino, Carol. . . . . 31  
Frame, Kathy . . . . . 21, 22  
Franzen, Margaret . . . . . 63  
Freeman Herreid, Clyde . . . . 33  
French, Donald . . . . . 31  
French, Richard Mark . . . . . 46  
Froats, Tom. . . . . 35  
Fuchs, Bruce. . . . . 54  
Fuelling, Jerry. . . . . 26

## G

Gabric, Kathleen . . . . . 54  
Gallo, Mark. . . . . 37, 38  
Gallucci, Kathy. . . . . 25  
Gardner, April. . . . . 40, 48, 54  
Gedney, Clark. . . . . 46  
Generette, Docia . . . . . 64  
Gingerich, Philip . . . . . 56  
Giudice, Shauneen. . . . . 13, 61  
Glass, Monica . . . . . 27  
Glenn, David . . . . . 47

Graf, Karen ..... 8  
 Green, Nicole ..... 33  
 Gregory, Eileen ..... 63  
 Grumbine, Richard ..... 64  
 Guilfoile, Patrick ..... 36  
 Guimond, Pamela ..... 51  
 Gurley, Laine ..... 40  
 Guy, Candice ..... 46  
 Guy, Kevin ..... 46

## H

Hach, Cheryl ..... 65  
 Hackney, Marcella ..... 50  
 Hagins, Whitney ..... 6, 22, 58, 59  
 Haldeman, Janice ..... 27  
 Harding, Sarah ..... 31  
 Harman, Pamela ..... 6, 7, 31  
 Harrison, Carol ..... 34  
 Harrison, Nancy ..... 59  
 Hart, Peter ..... 35  
 Haury, David ..... 31  
 Hayes, Carolyn ..... 61  
 Heady, Judith ..... 46  
 Heck, Jennifer ..... 64  
 Heithaus, Mike ..... 62  
 Helling, Sharon ..... 7  
 Hemingway, Claire ..... 33  
 Hemphill, Jammy ..... 58  
 Henk, Margaret ..... 31  
 Herman, Tim ..... 34, 64  
 Herricks, Susan ..... 31  
 Heyden, Robin ..... 28, 35, 52  
 Hilgert, Uwe ..... 21, 30, 54  
 Hilvert, Christopher ..... 30  
 Hinton, Juliana ..... 25  
 Hitomi, Stan .. 45, 50, 59, 61, 65  
 Hitt, Austin ..... 63  
 Hlodan, Oksana ..... 29  
 Hlousek-Radojcic, Alenka . 21, 22  
 Hodges, Scott ..... 59  
 Hodin, Jason ..... 6  
 Hoefnagels, Marielle ..... 30  
 Hoehn, Janis ..... 40  
 Holt, Susan ..... 6  
 Holtzclaw, Fred ..... 31  
 Holtzclaw, Theresa ..... 31  
 Huebner, Wendy ..... 27  
 Hufford, Terry ..... 12, 40, 53  
 Hunt, Vanessa ..... 32  
 Hutton, Melinda ..... 25

## J

Jablonski, David ..... 56, 59  
 Jacobs-Sera, Deborah ..... 31  
 Jaskot, Bunny ..... 52  
 Jaslow, Jeffrey ..... 25

Jedlicka, Dianne ..... 64  
 Jenkins, Kristen ..... 26  
 Jenkins, Sam ..... 7  
 Jenner, Janann ..... 39  
 Jones, Lynda ..... 63  
 Jones, Marlene ..... 51  
 Jones, Shane ..... 29

## K

Kaelin, Mark ..... 27  
 Kalumuck, Karen ..... 47, 64  
 Kapley, Becky ..... 62  
 Karl, Colleen ..... 56  
 Katzman, Lauren ..... 36  
 Keeler, Maggie ..... 6  
 Kerschner, Tonya ..... 28  
 Kersten, Connie ..... 25  
 Kessler, Dawn ..... 57  
 Keys, Rob ..... 28  
 King, Nicole ..... 56, 59  
 Klaus, Josh ..... 27  
 Klein, Bill ..... 7  
 Klyczek, Karen ..... 32  
 Knodle, Howard ..... 35  
 Krasner, Robert ..... 47  
 Krings, Steve ..... 39  
 Kroen, William ..... 36  
 Kryda, Cynthia ..... 40

## L

LaFlamme, Donna ..... 62  
 Lai, Mei-Chun ..... 46  
 Lamb, Ellen ..... 34  
 Lamb, Ron ..... 34  
 Lanza, Janet ..... 64  
 Largen, Sandra ..... 58  
 Larson, Dave ..... 39  
 Lassiter, Susan ..... 55  
 Latourelle, Sandra ..... 6, 53  
 Latza, Mike ..... 29  
 Laubach, Christyna ..... 59  
 Lauffer, Dan ..... 56  
 Lee, Kil-Jae ..... 36  
 Lee-Bond, Sharon ..... 24  
 LeFever, Mary ..... 46  
 Leonard, Daniel ..... 45  
 Leonard, William ..... 30  
 Lepri, John ..... 33, 63  
 Lesniak, Daniel ..... 29  
 Leventhal, Bruce ..... 26  
 Levesque, Luci ..... 51  
 Levine, Joseph ..... 27, 30, 33, 39  
 Levinton, Jeff ..... 56, 59  
 Liakakos, Alexis ..... 35  
 Lillis, Elizabeth ..... 29  
 Limson, Mel ..... 33

Lindow, Mary ..... 26  
 Little, Mark ..... 32  
 Litvin, Sandra ..... 62  
 Loftin, Madelene ..... 58  
 Lopez, Adrienne ..... 31  
 Lord, Thomas ..... 6, 24, 33  
 Luczynski, Kathleen ..... 58  
 Lumetta, Vincent ..... 45  
 Lundgren, Linda ..... 45

## M

MacClintic, Scott ..... 62  
 Mackenzie, Ann Haley ..... 25  
 Mackta, Jayne ..... 52  
 Malcom, Shirley ..... 12, 65  
 Maldonado, Tammy ..... 30  
 Mallory, Sarah ..... 62  
 Marion, Amy ..... 26  
 May, Victoria ..... 36  
 Mayo, Dave ..... 34  
 Mayowa Akinyele, Abolaji. .... 26  
 McColm, Mike ..... 7  
 McCurdy, Marlys ..... 31  
 McLaughlin, Jacqueline ..... 50  
 McMillan, Tobi ..... 62  
 McMillian, John ..... 63  
 McOmber, Christine ..... 63  
 McWeeny, Bill ..... 64  
 Melton, Bob ..... 35  
 Meyer, Harry ..... 25  
 Miller, Heather ..... 25  
 Miller, Pam ..... 6  
 Miller, Sandra ..... 54  
 Mitchell, Shelley ..... 51  
 Mohr, Mary ..... 36  
 Moldonado, Tammy ..... 34  
 Molinaro, Marco ..... 21  
 Monson, Nancy ..... 57  
 Moore, John ..... 27, 36  
 Moore, Randy ..... 12, 29  
 Moore, Steven ..... 6, 7  
 Morales, Christopher Michael. 36  
 Morgan, Betsy ..... 63  
 Morris, Amy ..... 33  
 Morris, Lee ..... 28  
 Mott, Thomas ..... 53  
 Mucz, Michael ..... 25  
 Muller, Eric ..... 64  
 Mulvihill, Charlotte ..... 12, 53  
 Mundy, Debbie ..... 32  
 Murray, Darrel ..... 51  
 Musante, Susan ..... 26

## N

Narguizian, Paul ..... 61  
 Nazario, Gladys ..... 54

## Program Participants

- Ndella, Sylla . . . . . 48  
Nelson, Gen . . . . . 62  
Newland, Eileen . . . . . 65  
Newman, Cynthia . . . . . 36  
Neyland, Ray . . . . . 25  
Nichols, Beth . . . . . 29  
Nolan Bertino, Patricia . . . . . 29  
Nontanovan, Vasna . . . . . 7
- O**  
Offerdahl, Erika . . . . . 7  
Offner, Susan . . . . . 31, 57  
Olds, Nancy . . . . . 57  
O'Mahony, Meg . . . . . 58  
O'Neil, Karen . . . . . 58  
Opler, Annette . . . . . 26  
O'Rourke, Dennis . . . . . 53  
Orvis, Kathryn . . . . . 26  
Ott, Betsy . . . . . 45
- P**  
Paine, Elizabeth . . . . . 22, 33, 59  
Palko, Patricia . . . . . 25  
Palmer, Elisa . . . . . 65  
Pankratz, Scott . . . . . 27  
Paquin, Louise . . . . . 57  
Patel, Nipam . . . . . 56, 59  
Patrick, Patricia . . . . . 60  
Paulissen, Mark . . . . . 25  
Peebles, Patsye . . . . . 31  
Pendley, Marilyn . . . . . 39, 52, 55  
Penick, John . . . . . 30  
Phillipson-Mower, Teddie . . . . . 6, 33  
Plati, Susan . . . . . 58  
Platt, James . . . . . 25, 35, 65  
Pohlschroder, Mecky . . . . . 57  
Polsgrove, Pete . . . . . 37, 46  
Potter Wegner, Carol . . . . . 28  
Pressley, Elizabeth . . . . . 55  
Presson, Joelle . . . . . 39  
Preszler, Ralph . . . . . 26, 50, 61
- Q**  
Quiggle, Paul . . . . . 34  
Quinn, Dorothy . . . . . 45
- R**  
Radford, Sharon . . . . . 33  
Rahmati Clayton, Sonia . . . . . 53, 64  
Ramos, Nancy . . . . . 57  
Randak, Steve . . . . . 26  
Rastovac, John . . . . . 62  
Redinger, Andrea . . . . . 48  
Reid-Grasso, Luke . . . . . 63  
Reiss, Michael . . . . . 24  
Remedi, Bob . . . . . 29
- Richards, Debbie . . . . . 65  
Roberts, Kyle . . . . . 50  
Robertson, Amber . . . . . 6  
Robertson, Connie . . . . . 58  
Rodriguez, Liliana . . . . . 37, 49  
Rogers, William . . . . . 32  
Romero, Chris . . . . . 53  
Romney, Carla . . . . . 36  
Roossinck, Carrie . . . . . 25  
Rowan, Michael . . . . . 45  
Royal, Brenda . . . . . 28  
Royal, Kimberly . . . . . 45  
Russell, Connie . . . . . 31  
Ryan, Wendy . . . . . 36
- S**  
Samuels, Linda . . . . . 63  
Sánchez Alvarado, Alejandro . . . . . 60  
Sax, Christina . . . . . 27  
Schmitt, Donna . . . . . 40, 47  
Schofield-Bronston, Carolyn . . . . . 63  
Schwartz, Lisa . . . . . 47  
Sernoffsky, Susan . . . . . 61  
Sharkey, Mick . . . . . 32  
Shelp, Phil . . . . . 40  
Shepard, Quintin . . . . . 37, 55  
Shuster, Charles . . . . . 61  
Shuster, Michele . . . . . 26, 61  
Siebens, Arthur . . . . . 65  
Simon, Eric . . . . . 28  
Sironen, Lynn . . . . . 28  
Smart, Rhead . . . . . 60  
Smith, Lynda . . . . . 65  
Smith, Rosemary . . . . . 24  
Smith, Shelia . . . . . 64  
Smucny, Darlene . . . . . 27  
Solon, Israel . . . . . 29, 57  
Staples, Kimberley . . . . . 51  
Stark, Eric . . . . . 36  
Stark, Louisa . . . . . 28  
Stegman, Camille . . . . . 58  
Strode, Paul . . . . . 58  
Suhan-Thomas, Michelle . . . . . 37, 51  
Sundrud, Bruce . . . . . 53  
Surmacz, Cynthia . . . . . 36  
Swartz, Sally . . . . . 31  
Swihart, Kristin . . . . . 30, 34  
Szaroleta, David . . . . . 26
- T**  
Tabery, Pamela . . . . . 24  
Talbot, Prue . . . . . 57  
Tantillo, Erin . . . . . 54  
Taylor, Sarah . . . . . 30  
Texley, Juliana . . . . . 62  
Tharp, Barbara . . . . . 34, 50, 53, 64
- Thompson, Barry . . . . . 60  
Thompson, Helen . . . . . 8  
Thomson, Norman . . . . . 28, 34  
Trickey-Glassman, Arden . . . . . 63  
Tunncliffe, Sue Dale . . . . . 24, 46
- U**  
Ueckert, Catherine . . . . . 46
- V**  
Vandiver, Kathleen . . . . . 27  
Verma, Sujata . . . . . 64
- W**  
Wakeford, Lawrence . . . . . 63  
Wakeman, Pat . . . . . 46  
Walker, Windy . . . . . 64  
Wallace, Kyle . . . . . 46  
Walsh, Brian . . . . . 46  
Wandersee, James . . . . . 34, 63  
Ward, Brad . . . . . 26  
Warner, Kathleen . . . . . 27  
Weiland, Jonathan . . . . . 30  
Weintraub, Jory . . . . . 26  
Weis, Mary . . . . . 60  
Weiss, Judy . . . . . 64  
Wellhouse, Ann Marie . . . . . 62  
Wells, Matt . . . . . 65  
Wieland, Christine . . . . . 32  
Wilcox, David . . . . . 45  
Willden, Jennifer . . . . . 58  
Williams, Paul . . . . . 56  
Williams, Vivian . . . . . 57  
Williamson, Brad . . . . . 52  
Winter, Carl . . . . . 30  
Winter, Jim . . . . . 64  
Wishart, Rick . . . . . 53  
Wolslegel, Lynn . . . . . 28  
Wright, Chrissa . . . . . 36  
Wright, Michael . . . . . 21  
Wuebbles, Don . . . . . 48  
Wygoda, Mark . . . . . 25  
Wysocki, Lois . . . . . 45
- Y**  
Yashon, Ronnee . . . . . 7, 28  
Young, Janice . . . . . 45
- Z**  
Zanta, Carolyn . . . . . 54  
Zarnetske, John . . . . . 57  
Zeller, Mike . . . . . 39  
Zinsmeister, Dorothy . . . . . 37, 55

# Index of Sessions by Subject

## Bioethics

- Creating a High School Bioethics Course . . . . . 45
- Project BEGIN's Family Secrets: A Problem-Based Learning (PBL) Biotechnology Unit in Human Genetics and Bioethics. . . . . 29
- Stem Cells in the Classroom: An Investigation Using Planaria. . . . . 31
- The American Eugenics Movement and its Relevance Today . . . . . 54
- The Science of Alcohol: What Every Kid Should Know Now!. . . . . 53
- Using Law in the Biology Classroom . . . . . 28

## Biotechnology

- A Different Approach to a High School CSI Unit or In This Class You're Going To Think: Part II . . 54
- BIO-RAD Crime Scene Investigator PCR Basics™ Kit . . . . . 59
- BIO-RAD ELISA Immuno Explorer™ Kit . . . . . 61, 65
- BIO-RAD Forensic DNA Fingerprinting Kit. . . . . 45
- BIO-RAD Genes in a Bottle™ Kit . . . . . 59, 60
- BIO-RAD GMO Investigator™ Kit . . . . . 45
- BIO-RAD pGLO™ Bacterial Transformation and Green Fluorescent Protein Purification Kits . . . . . 61
- BIO-RAD Protein Profiler™ Kit. . 50
- BIO-RAD Pv92 PCR Informatics™ Kit . . . . . 50
- Biotechnology Basics . . . . . 40
- Biotechnology Infusion To Teach High School Science Concepts. . 53
- Biotechnology: From DNA to Product. . . . . 39
- Cooking Up Proteins and Sleuthing Scientists . . . . . 21
- Designer Babies and Embryo Selection. . . . . 30
- Do YOU Wanna Start a Biotech Program? . . . . . 28

- Gene Chips in Your Classroom: From Genes to Diseases . . . . . 54
- Get the Inside View of a Biotech Company!. . . . . 28
- Hands-on Inquiry Learning Through Forensic Science. . . . . 65
- Introducing Biotechnology, the Science of Our Future, to Your Students . . . . . 48
- Introduction to Biotechnology . . 59
- Introduction to Electrophoresis. . 22
- It's Becoming a Small Nano World . . . . . 45
- Microbial Activities in Biotechnology . . . . . 64
- Modeling Biotechnology in the Classroom . . . . . 34
- One-Step ELISA—Detection of Bird Flu: A Quicker and Easier Immunology Lab . . . . . 40
- Paper Microarrays: A Classroom Exercise . . . . . 46
- Pennington's Sweetie Pie and Wheelchair To Waltz (Parkinson's Disease and GDNF). . . . . 22
- Run a Gel in 20 Minutes! And Other Quick Tips for Bringing Biotechnology into Your Classroom . . . . . 46
- The DNA Report Card™: New and Improved Classroom Human DNA Extraction for DNA Typing. . . . . 53
- The Outreach Biotechnology Loaner Program . . . . . 51

## Botany & Microbiology

- Discovering Microbes Part I – The Tree of Life Revisited: Evolution and the World of Microbes. . 37, 38
- Discovering Microbes Part II – Oceans of Microbes: Recovering Microorganisms from Your Local Environment . . . . . 37, 45
- Discovering Microbes Part III - Dangerous Friends and Friendly Enemies – What Happens When Our Delicate Relationship with Microbes Changes . . . . . 37, 49
- Discovering Microbes Part IV: Creators of the Future: Discovering

- Microorganisms and Their Roles in Biotechnology. . . . . 37, 51
- Discovering Microbes Part V – Let the Science Begin: Field-testing, Collaborating and Building Communities. . . . . 37, 55
- Gardens of Lilliput . . . . . 56
- How to Make a School Nature Trail . . . . . 63
- Involving School Children in the Establishment of a Long-Term Plant Biodiversity Study of an Urban Green Space. . . . . 50
- Testing Nature's Pharmacy: Bioassays for Herbal and Medicinal Plants . . . . . 27

## Curr. Development/Supervision

- Biology Programs in the Peoples Republic of China and the United States: A Comparison of Content and Pedagogy . . . . . 54
- Can Biology Labs Be Taught Online? . . . . . 40
- Current Topics in Science—The Design of a High School Elective . . . . . 29
- It Takes a College! Cooperating with Adjuncts for Safer Instruction. . . . . 62
- Question First, Answer Last . . . 62

## Environment/Ecology

- A Vivid Simulation for Human Population Growth. . . . . 30
- African Natural History . . . . . 46
- Animating Global Warming Scenarios . . . . . 33
- Biodiversity and Biological Filtering in a Southeast Swamp . . . . . 60
- Building Learning Communities in Rural Areas. . . . . 56
- Burning Issues and Wildhorse Basin: Teaching Fire Ecology . . 32
- Comparing Biotic Indices: The Best Choice for Your Students and Your Stream. . . . . 57
- Don't Just Travel—Get Involved . 27

# Index of Sessions by Subject

Don't Leap to Conclusions: The Case of the Malformed Frog . . . 30

Ecology and Evolution of Infectious Diseases: Understanding and Fighting Avian Flu and Other Emerging Threats . . . . . 33

Effectiveness of an Environment Education Outreach Program: Audubon Adventures in Las Cruces, NM . . . . . 50

Environmental Effect . . . . . 25

Environmental Justice . . . . . 29

Forestry Field Studies: A Paradigm for Resource Management . . . . 47

Global Warming: Teaching the Science with Rigor and Relevance in an Ecological Context . . . . 27

Global Warming? I'm Supposed To Know What That Is? . . . . 28

High School Students: Mental Models of Zoos: Are Zoos Conservation Organizations? . . 60

How They See It: Student Projects Involving Reflection on the Natural World . . . . . 28

Hunter and Hunted—A Predation Simulation . . . . . 25

In Search of Polar Bears . . . . . 28

Investigating Plant and Ecosystem Responses to Nitrogen Deposition and Global Warming . . . . . 51

Kingdoms in a Drop of Water: Diversity in the Environment . . 31

Maintenance of Body Temperature: An Inquiry Laboratory for Introductory Biology . . . . . 64

Phytoremediation Laboratory Activity - Phytoextraction of Heavy Metals by Indian Mustard . . . . 47

Population Growth and Sustainability: Have Your Students Do the Math. . . . . 62

Streamwatch: Monitoring the Health of Your Adopted Stream or River 26

Take Them to The Field—How To Do Field Trips with Today's Students . . . . . 55

Technology to the Rescue: Providing Clean Water in a

Disaster Area with MacIX (Membrane Activated Carbon Ion Exchange) . . . . . 31

Using Online Images of Birds in the High School and College Biology Classroom: Materials and Ideas for Instruction, Activities and Assessment in Ecology . . . . . 32

Wetlands Centres of Excellence—An Action Program To Engage School Communities in Environmental Learning . . . . . 53

## Evolution

A Plain English Map of the Human Chromosomes and a Universal Phylogenetic Tree . . . . . 57

Bringing Evo-Devo to the Classroom . . . . . 35

Developing Classroom Inquires into the Evolution, Selection and Adaptation for Hominid Bipedalism . . . . . 34

Educational Malpractice: Biology Teachers Who Teach Creationism . . . . . 29

Extreme Halophiles: From Survival Champs, to Models for Extraterrestrial Life, to Novel Antibiotics, to Classroom Teaching Models and Everything Else in Between . . . . . 57

Humans: Evolved or Intelligently Designed? . . . . . 31

Macroevolution: Evolution Above the Species Level. . . . . 56, 59

Making Sense of the Biology Curriculum in the Light of Evolution . . . . . 28

Marooned in the Galapagos: A Scenario-Based Evolution Lesson . . . . . 31

Microfossils, Macrofossils and Dinosaurs: A Hands-On Fossil Dig . . . . . 33

Photodisk Assay Lab . . . . . 52

Selection for Ethanol Tolerance in *Drosophila* . . . . . 51

Teaching Evolution in a Potentially Hostile Environment . . . . . 60

Teaching the History of Evolution . . . . . 59

The Evolution of Complex Structures . . . . . 34

The Evolution/Creation Struggle: One School's Story . . . . . 26

Time To Abandon Darwin? . . . . 30

Using Ecological Techniques To Simulate Natural Selection . . . . 58

Variation in Human Pigmentation . . . . . 31

## Gender/Multicultural Issues

Effects of the NSES on Attitudes Toward Science in Middle School Girls. . . . . 61

Factors Affecting the Educational Success of Women . . . . . 50

Making the Connection in Evolutionary and Ecological Biology: Linking Graduate Programs and Undergraduate Students . . . . . 26

Vicarious Travel in Teaching Biology . . . . . 25

## General Biology

*CBE: The Life Sciences Education—The Education Journal of the American Society for Cell Biology* . . . . . 47

35+ Ways To Use Rubberstamps in the Biology Classroom . . . . 57

A Retrospective on Teaching Biology . . . . . 46

A Seamless Biology Classroom: Integrating Lab and Lecture in Botany and Zoology . . . . . 54

A Wild Rose Pot Pourri . . . . . 65

Addressing Earth Science Curriculum in the Life Science Classroom . . . . . 29

An Enemy of the People: Increasing Interest in Biology . . 26

BioJeopardy, v. 4.0, or 30 Activities in 75 Minutes . . . . . 30

Biology—A Hands-On Approach to

Differentiated Instruction . . . . .	40	Middle School MicrobeWorld Activities . . . . .	63	Why Buy Expensive Models When You Can Build Your Own? . . . . .	26
Biology Best Bets: IX . . . . .	57	Modeling Life, Making Connections Between Living Organisms and Biology Class Content . . . . .	63	WOW Biology IV . . . . .	64
Biology, The Living Science: Buying into Standardized Achievement Test and Having Fun . . . . .	59	Nourishing the Planet in the 21st Century . . . . .	34	WOW Biology V . . . . .	58
BIOZONE Student Workbooks & Presentation Media . . . . .	35, 54, 58	NSBRI's Series: From Outer Space to Inner Space—Life Science That's Out of This World . . . . .	64	Writing for <i>The American Biology Teacher</i> . . . . .	25
Buccal Smear Gram Stain: Gateway to Cytology . . . . .	62	Nutritional Biochemistry and the Obesity/Diabetes Epidemic . . . . .	45		
Canine Cladistics . . . . .	34	Olympic Gold for the Biology Enthusiast . . . . .	52	<b>Genetics</b>	
Comparative Vertebrate Anatomy with Carolina's Perfect Solution® Species . . . . .	39	Organelle of the Day . . . . .	58	DNA Necklaces and Double-Helix Models . . . . .	33
Connections: Better Mathematics Through Biology . . . . .	34	PowerLab® and LabTutor Makes Life Science Laboratory Teaching Easier! . . . . .	53	Epidemic! . . . . .	21
Critters in the Classroom II . . . . .	27	Promoting Active Learning with Glencoe Biology . . . . .	32	Genes vs. Jeans: Cracking the Code of Genetics . . . . .	58
Don't Toss the Lab Manual Out with the Bathwater—How To Incorporate Inquiry into Cookbook Labs . . . . .	63	Put Some Energy into Teaching Glycolysis! . . . . .	62	Code of Genetics . . . . .	58
Engaging Hands-On Research for Your High School Students Is Only a Click Away! . . . . .	34	Putting the Green Back in Biology with Carolina's Plant Materials . . . . .	21	GMO . . . . .	21
Explore the Digital Biology Classroom . . . . .	33	Scientific Inquiry Through Plants: Bringing Scientists to the Science Classroom . . . . .	33	Mitochondrial DNA with Anastasia . . . . .	29
Favorite Labs of KABT . . . . .	46	SQUID INK-UIRY: Inquiry-Based Invertebrate Anatomy Through Squid Dissection . . . . .	52	New Genetic Activities from Flinn Scientific . . . . .	39
FELINE ANATOMY with Carolina's Perfect Solution® . . . . .	55	Teaching from Controversy . . . . .	39	NHGRI Genetics Education Resources and Programs . . . . .	31
Fissures, Foramen, and Fossa: Skeletal Anatomy Darwin Style . . . . .	31	Texas Tried and Tested: Volume 2 . . . . .	65	Phagehunting in the Classroom . . . . .	31
Forensic Biology: The Perfect Fit . . . . .	58	The Biology Talent Show: The "Do-Re-Mi" of Life on Display . . . . .	61	The Family Tree Project . . . . .	64
Glencoe Biology . . . . .	35	The Brain-Friendly Biology Classroom . . . . .	62	The Seven Daughters of Eve . . . . .	63
Homework Assignments that Engage Students, Foster Creativity and Teach Content . . . . .	58	There's Fungus Among Us! Analyzing Fungicides in the Biology Laboratory . . . . .	53	Why the Y Chromosome? A look at Male Lineage and Ancestry . . . . .	53
How To Enhance Student Success in the Online Non-Majors Biology Classroom . . . . .	26	Using Available Internet Data To Conduct Inquiry on Ecological Impacts of Climate and Season . . . . .	25		
Integrating Science and Math Through Inquiry . . . . .	65	Using the Web To Teach Biology . . . . .	60	<b>Human Health &amp; Public Health</b>	
Lab Science Course Design for Several Locations . . . . .	28	Virtual Dissection: The Best of the Best . . . . .	59	A Scientific Holistic Approach to Institution and Health . . . . .	64
Labs Alive! . . . . .	31			Epidemiology: The Science of Public Health . . . . .	27
LabTrack—Using Electronic Lab Notebooks in Lab . . . . .	51			Public Health Issues: A Course for the Pre-College and College Curriculum . . . . .	47
Mass Extinctions and Global Climate Change: Integrating the Nature of Science and Biology . . . . .	61			The New Science of Addiction: Genetics and the Brain . . . . .	28
				Youth Take Heart: An Activity-Based Curriculum To Prevent Cardiovascular Disease . . . . .	32

## Instructional Strategies & Technologies

AP Biology Teachers' Open Forum . . . . .	63
---	----

# Index of Sessions by Subject

- Are Biology Foundations Courses Helpful To At-Risk Biology Students? . . . . . 51
- Biology Curriculum Revisions: Lessons from China . . . . . 45
- Bio-Rhythms: Use a Song as a Hook—It's More Fun Than the Book . . . . . 65
- Building a Student-Centered Active Learning Environment Using Technology . . . . . 28
- Classroom Discussions: Getting Your Students To Actively Think During Class . . . . . 61
- Concept Mapping: Learning How To Make Them, Use Them, and Teach Them to Others . . . . . 40
- Do I Have To Go, Too? Student-Involved Parent Conferences. . . 58
- Engaging Each Student in Large Lectures with Wireless Student Response Units . . . . . 61
- Engaging Students with the Biological Patterns in Nature Through Mathematical Activities . . . . . 31
- Enhance Your Teaching with the WWW . . . . . 35
- Evaluating Inquiry Understanding: Moving to Higher Plateaus on Bloom's Taxonomy . . . . . 24
- Forensic Biology for High School Students . . . . . 26
- Free Teaching Resources from the Howard Hughes Medical Institute . . . . . 29
- From My Experience: The Multiple Testing Initiative, A Review of Software and Technology . . . . . 26
- Imagine if Biology Was Made Real in High School. . . . . 50
- Inquiry-Based Experiments Using Red Flour Beetles . . . . . 63
- Is Your Distance Course Comparable to Your On-Campus Course? . . . . . 24
- Issues and Internet in Classroom Activities . . . . . 29
- Leading Interdisciplinary Field Classes on the Appalachian Trail . . . . . 29
- Linking Lab to Life . . . . . 50
- Making Molecules Real: The MSOE Model Lending Library . 34
- Making Science Fun for All Students! Instructional Strategies for Enhancing the Success of All Students . . . . . 27
- mc square: Brain Science for Better Learning . . . . . 63
- Model Building and Use in Teaching . . . . . 58
- Novel Ways To Explore Science in the Cinema. . . . . 52
- Petrified Wood: It's Not Just for Geology Anymore! . . . . . 34
- Promoting Information Literacy Through Biological Research . . 45
- Publishing and Podcasting on the Tree of Life Web Project. . . . . 47
- Reinforcing Biological Concepts Through Models and Manipulatives . . . . . 65
- Socratic Seminars in the Biology Classroom . . . . . 63
- Story Telling in the Secondary (Science) Classroom. . . . . 32
- Teaching AP Biology Down the Stretch. . . . . 25
- Teaching Biology, Museum Style. . . . . 56
- Teaching Scientific Process in an Introductory Biology Course . . 26
- Teaching Strategy for College-Aged Students: Assessing Critical Thinking with a Constructivist Method . . . . . 24
- TGT—Cooperative Review . . . . . 58
- The Art of Question Writing. . . 40
- The Case Study Method and Student Learning of Biological Concepts. . . . . 25
- Tools for Success! Building a Foundation for Active Learning in Your Classroom. . . . . 35
- Two Labs in One: Effects of Temperature and Life Cycle Stage on Metabolism in Mealworm Beetles. . . . . 25
- Using Books from the Popular Press To Increase Students' Science Comprehension and Interest . . 51
- Using Emotional Intelligence as a Basis for Classroom Management . . . . . 61
- Using Manipulative Materials To Teach Introductory Biology. . . . 64
- Using Technology in the Biology Classroom . . . . . 32
- Utilization of Computer Simulations as a Tool for Teaching Genomics Science. . . . . 26

## Molecular & Cell Biology

- A Constructivist Approach to Inquiry-Based Learning: A TUNEL Assay for the Detection of Apoptosis in Cheek Cells. . . . . 35
- Bird Flu Knocking on the Door: Molecular Stories from the CBM . . . . . 62
- Case-Based Learning Using Free Protein and DNA Simulations To Analyze Cases Based on Genetic and Infectious Disease . . . . . 32
- Cell Energetics: Let it Pump You Up! . . . . . 65
- Current Topics in Cell Biology . 40
- Educate, Motivate and Stimulate with "Active Learning Segments" . . . . . 60
- Epidemiology, ELISA and HIV . 62
- Evolution in Action: Modeling Insecticide Resistance in Mosquitoes. . . . . 63
- Gene Expression: Protein Synthesis Made Easy . . . . . 39
- Learning from Patients: Developing Molecular Models of Disease . . . . . 22
- Light and Life—Biophotonic Inquiry Activities and Programs . . . . . 21
- Making the Teaching of Bioenergetics Interesting and Enjoyable . . . . . 27
- Modeling Cellular Processes Using LEGO DNA and the New LEGO Protein Synthesis Set . . . . . 27

Protein Structure: It's Not Origami  
—But Your Kids Can Learn How To  
Fold . . . . . 30

Sickle Cell Anemia: Molecular  
Stories from the CBM. . . . . 64

Student Conceptualization of  
DNA and the Effect of Laboratory  
Instruction . . . . . 25

The Little Worm That Could . . 60

## Oceanography/Marine Biology

Hawaii Marine Science Seminar .53

Inquiry-Based Investigations with  
Sea Urchins . . . . . 6

Marine Science Mania! . . . . . 35

Multiple Impact Stomatopod Strikes  
Provide the Mechanical Properties  
of Striking Mechanism. . . . . 46

The Crittercam. . . . . 62

## Physiology

Anatomy and Physiology Activities  
Mile High Style II . . . . . 32

Best Practices in Human Anatomy  
and Physiology . . . . . 40

Funatomy & Easyology . . . . . 28

NEURO-PALOOZA!!! . . . . . 64

See into the Eye: Exploratorium-  
Based Human Perception  
Activities . . . . . 64

Where Does the Drinking Water  
Go? Ideas of Some Elementary  
Children . . . . . 46

## Teacher Prep/Professional Development

A Collaborative Collaboration . 32

AP Biology Share-A-Thon. . . . . 64

Assessing Professional  
Development Courses . . . . . 25

Case Study Teaching in Science: The  
Intimate Debate Technique. . . . 33

Developing College Biology Lesson  
Plans Using Inquiry Methods. . 33

Identifying and Developing

Conceptions of Living Versus  
Nonliving Things Among 2nd  
Graders. . . . . 51

Juicy Secrets for Spicing Up Your  
Teaching Philosophy . . . . . 30

Mentoring Laboratory Instructors  
in Inquiry-Based Methods. . . . 27

Old Professor's Seminar in  
Anatomy and Physiology . . . . . 53

Real World Learning Objects in  
Science, Math, Language Arts, and  
Technology. . . . . 62

Replication and Protein Synthesis:  
Analysis and Comments About  
a Series of Common  
Misconceptions. . . . . 48

Sharing the Wealth: Publishing  
Reports on the Scholarship of  
Teaching and Learning . . . . . 25

Some of the Above: Writing  
Quality Multiple Choice Questions  
To Prepare Students for the AP  
Biology Examination . . . . . 29

Teacher Preparation for Higher  
Education: Learning To Implement  
the *National Science Education  
Standards* Through  
Apprenticeship . . . . . 46

Teacher Professional Development  
and Student Science Achievement:  
Models That Work . . . . . 50

The Biology Behind the 2006 AP  
Free Response Questions . . . . 33

Using the Japanese Process of Lesson  
Study To Improve Instruction . . 35

Using the Updated SAT Subjects  
Test in Biology as an Assessment  
Tool in an AP Vertical Teams  
Program . . . . . 57

Why Should a Science Teacher  
Visit Japan? . . . . . 61

## Zoology

What's Inside? Students'  
Understanding About the Anatomy  
of Different Vertebrates and  
Themselves. . . . . 24

*T. rex* Couldn't Jump. Or Could It? 33

See you next year in  
**Atlanta**  
November 28 – December 1

Hyatt Regency Atlanta  
Atlanta, Georgia



## Index to Advertisers

AAAS. . . . . 83

Amazonia Expeditions . . . . . 2

American Society for Clinical Pathology . . . . . 49

American Society for Microbiology. . . . . 23

ASM Press. . . . . 44

Bio Corporation . . . . . 44

Bio-Rad Laboratories, Inc. . . . . Cover 2

Carolina Biological . . . . . 1

Cold Spring Harbor Laboratory . . . . . 19

Current Publishing Corporation. . . . . 41

Holt, Rinehart & Winston, Inc. . . . . 11

Humane Society of the United States . . . . . 8

Kendall Hunt Publishing Co. . . . . Cover 3

National Institute on Drug Abuse. . . . . 41

PASCO Scientific. . . . . 43

PCRM . . . . . 84

Pearson Prentice Hall . . . . . Cover 4

Thomson Brooks/Cole. . . . . 14

Vernier Software & Technology. . . . . 47

Ward's Natural Science. . . . . 42



# Daily Planner

	Wednesday October 11	Thursday October 12	Friday October 13	Saturday October 14
Breakfast				
8:00am				
9:00am				
10:00am				
11:00am				
Noon				
1:00pm				
2:00pm				
3:00pm				
4:00pm				
Evening				

*“This is an excellent book that all high school biology teachers should read!”*

HIGH SCHOOL BIOLOGY TEACHER, MARIETTA, GA

*“I’m not a biologist and I’m not very informed about science, but I really liked the science in this.”*

CHURCH MEMBER, WASHINGTON, DC

This unique and extraordinary resource presents in plain language and in under 200 pages a new conversation on evolution and Christianity:

- a description of the development of evolutionary theory from before Darwin to the present.
- the rich and complex historical interaction of evolution and Christianity.
- accounts of the nature of science and of Christian approaches to understanding.
- the history of life as revealed through the evolutionary sciences.

**To order your copy:**

Call 1-800-222-7809

Item Number: PMDS 06-3A

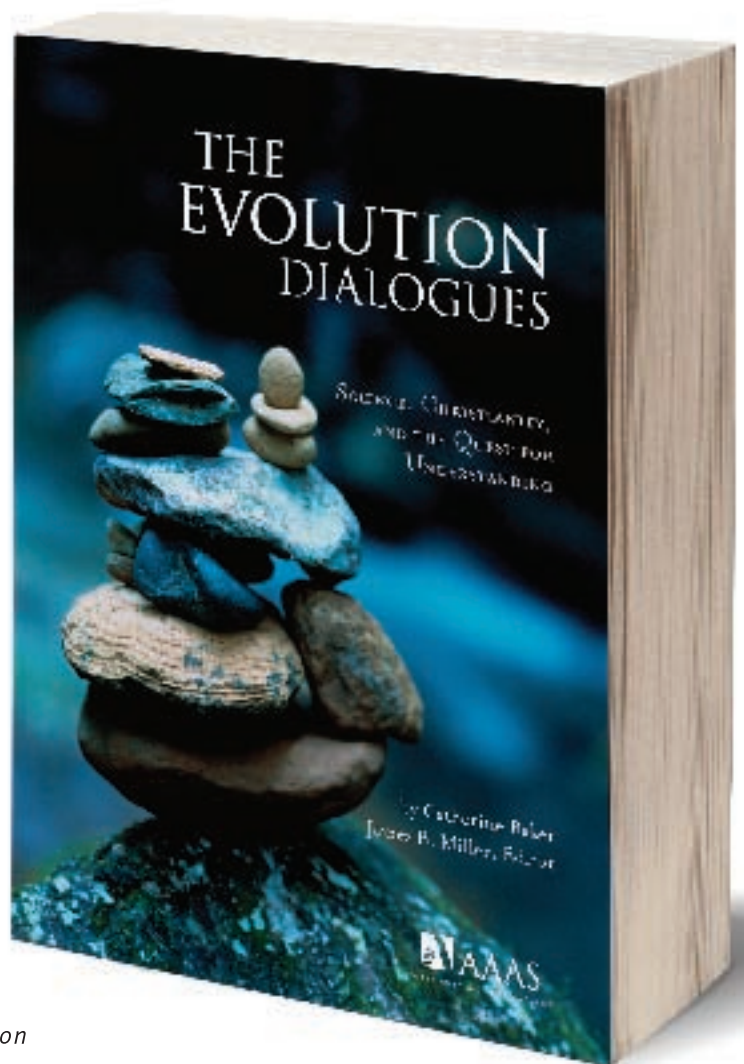
Single copy: \$9.95

10 copies or more: \$5.00/each

Plus shipping and handling

*From AAAS Dialogue on Science, Ethics, and Religion*

[www.aaas.org/spp/dser](http://www.aaas.org/spp/dser)



**Now Available!**

**Call 1-800-222-7809**



ADVANCING SCIENCE. SERVING SOCIETY

# Portrait of a Frog at Home



NOW FREE!



**The first interaction a student is likely to have with a frog is while brandishing a scalpel. There are better ways.**

Today, advanced dissection simulation software:

- explores more intricacies than traditional dissection
- conveys the wonder of life without sacrificing it
- helps teachers impart respect for life and the environment

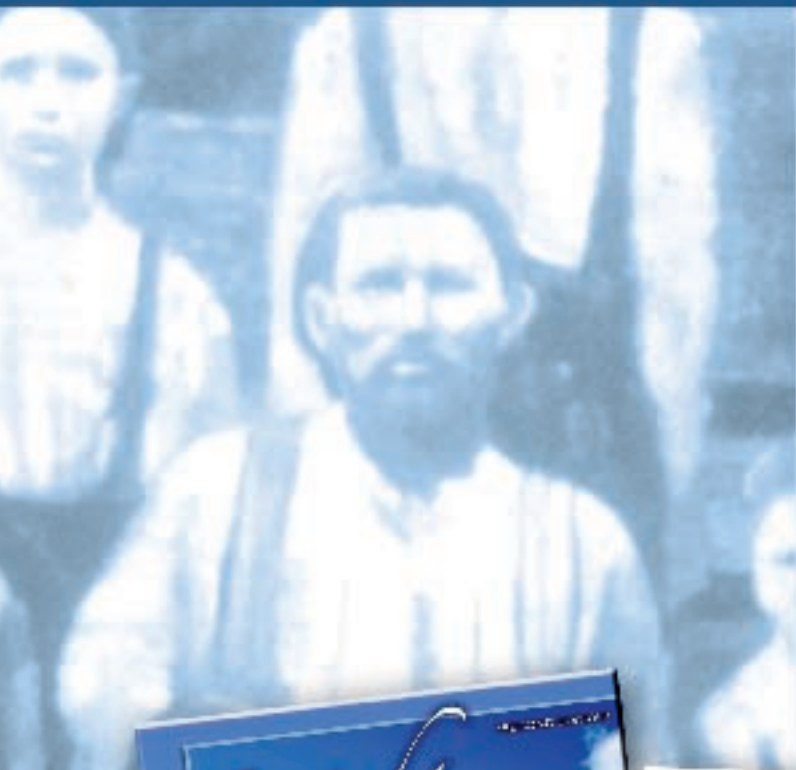
For more information about dissection alternatives, dissection alternatives loan programs, curriculum integration, or to order a FREE copy of Digital Frog 2<sup>®</sup>, please visit [www.DissectionAlternatives.org](http://www.DissectionAlternatives.org).

**Help keep frogs in nature, not formaldehyde.**

**PCRM** PHYSICIANS  
COMMITTEE  
FOR  
RESPONSIBLE  
MEDICINE

5100 Wisconsin Ave., NW, Suite 400 • Washington, DC 20016 • [www.DissectionAlternatives.org](http://www.DissectionAlternatives.org)

# Blue People?



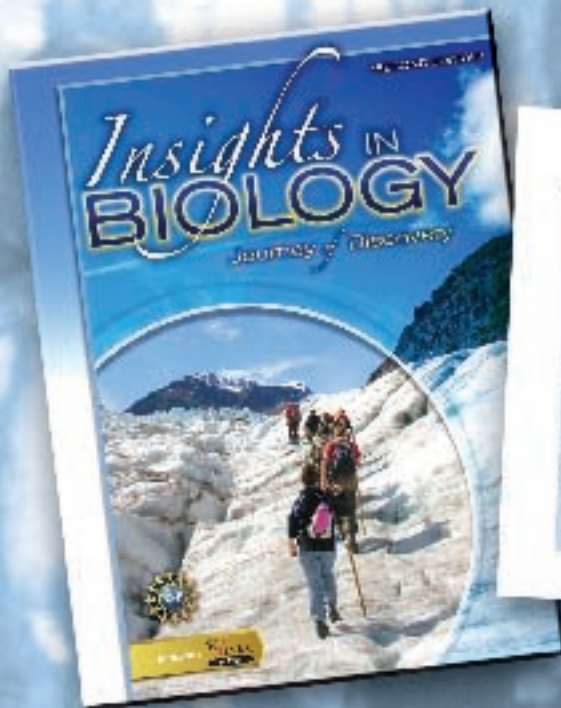
By Cathy Trost, *Science* 82, November 1982, pp.35-39.

“ What he got from Martin Fugate was dark blue skin. “It was almost purple,” his father recalls.

Doctors were so astonished by the color of Benjy Stacy’s skin that they raced him by ambulance from the maternity ward in the hospital near Hazard to a medical clinic in Lexington. Two days of tests produced no explanation for skin the color of a bruised plum. . .



©2007



We all learn best through stories. High school students are no different. *Insights in Biology's* unique storyline format grabs student interest and keeps it. Students pose questions and design and carry out investigations relevant to them.

Stop by our booth for more information. Or visit us online.

1-800-542-6657  
[www.kendallhunt.com](http://www.kendallhunt.com)



NSF-funded • Standards-based

Developed by Educational Development Center, Inc.

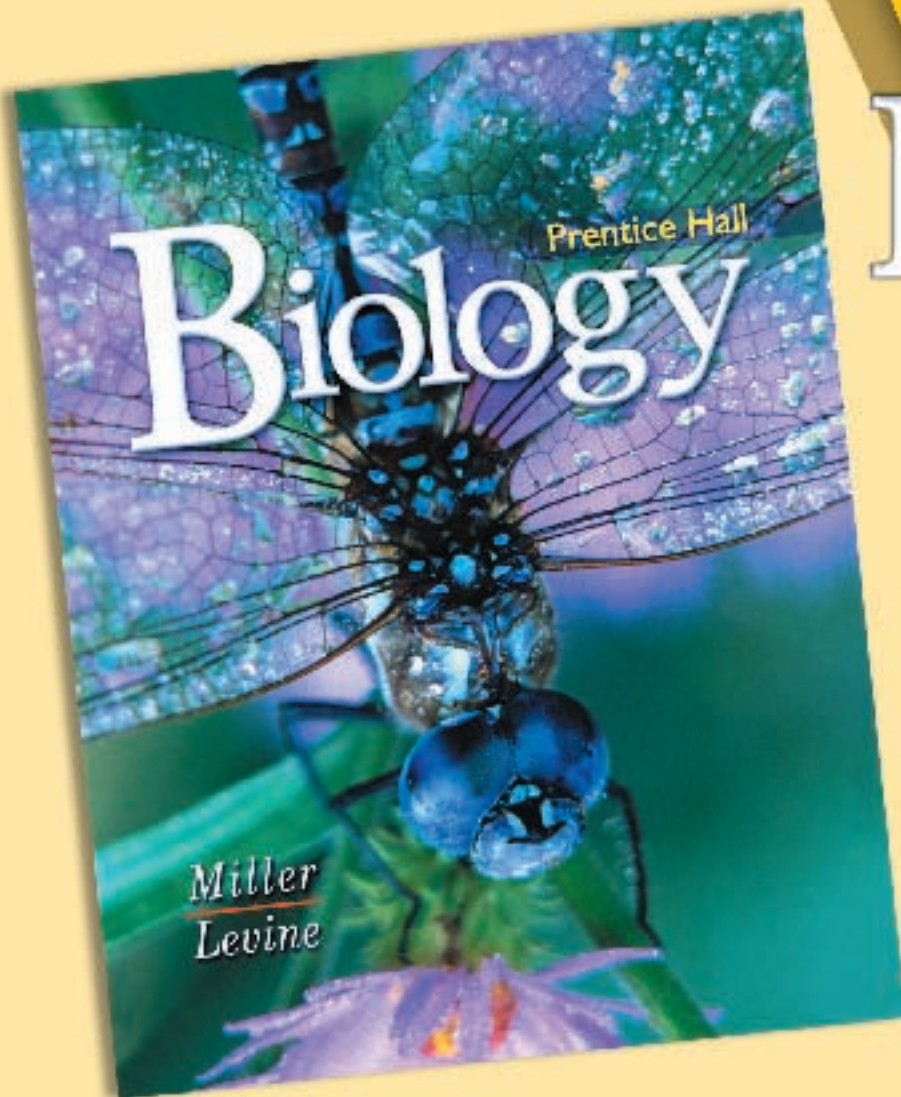


KENDALL / HUNT  
PUBLISHING COMPANY

Read the whole story:

[www.kendallhunt.com/insightsinbiology](http://www.kendallhunt.com/insightsinbiology)

# Focus <sup>on</sup> the BIG Ideas



with

Prentice Hall

# Biology

- **The Best Authors**  
with Ken Miller  
and Joe Levine
- **Virtual Labs and Active Learning**  
with Active Art
- **Online Testing and Remediation**  
with Success Tracker™
- **Powerful Presentations**  
with the NEW  
PresentationEXPRESS™

## Enter for your chance to win

**A Tropical Biology Scholarship** at the Organization for Tropical Studies in Costa Rica, courtesy of *Prentice Hall Biology* authors Ken Miller and Joe Levine.

Learn more about this short summer course and enter for a chance to win the scholarship trip. Stop by the Pearson Prentice Hall booth at NABT in Albuquerque or visit [PHSchool.com/tropicalbiology](http://PHSchool.com/tropicalbiology)



*Miller & Levine*



See you in Albuquerque!

Visit our Web sites at

- [PHSchool.com/biology](http://PHSchool.com/biology)
- [millerandlevine.com](http://millerandlevine.com)