OEXHIBIT HALL HOURS

THURSDAY

Exhibit hours: 12:30PM - 6:30PM

Energy Break: 12:30PM - 1:45PM Sponsored by SEAWORLD PARKS & ENTERTAINMENT

Exhibit Hall Opening Reception: 4:00PM - 6:30PM

Sponsored by **BI**



FRIDAY

Exhibit hours: 9:30AM - 5:30PM

Closing Reception, Podcast, Treasure Hunt and Prize Announcements: 4:00PM-5:30PM

3D Molecular Designs Booth 207

Milwaukee, WI • www.3dmoleculardesigns.com

3D Molecular Designs is a leader in creating innovative kits and models that help students understand core concepts in the molecular biosciences. In addition to developing our own kits and models, we also collaborate with the MSOE Center for BioMolecular Modeling to turn their best ideas and prototypes into products.

Accelerate Learning Booth 316

Houston, TX • www.acceleratelearning.com

Accelerate Learning, in conjunction with Rice University, has created the most widely used PreK-12 science curriculum in Texas, STEMscopes™—and now it's available nationally. STEMscopes now offers a variety of curriculum and professional development solutions that support early learning, NGSS, and customized state-aligned curriculum.

The American Phytopathological Society Booth 109

St. Paul, MN • www.apsnet.org

Don't get caught with your plants down! Visit the APS booth to learn more about engaging students in biology through the study of plant pathology. Inspire a career in plant pathology and collect materials to help foster a budding scientist!

American Physiological Society Booth 217

Bethesda, MD • www.the-aps.org

The American Physiological Society (APS) is a nonprofit devoted to fostering education, scientific research, and dissemination of information in the physiological sciences. Our K-12 education programs emphasize that science is NOT facts in a book it is a way of learning new things. All resources are free and online.

2015 EXHIBIT HALL FLOOR PLAN



American Society for Microbiology Booth 516

Washington, D.C. • www.asm.org

The ASM Education Board offers microbiological science resources for students, early-career scientists, and faculty. Information on microbiology careers, research fellowships, curriculum materials, and ASM events is available at the booth. Featured this year are K-12 outreach posters and peer-reviewed K-12 classroom activities focused on microbial discovery.

American Society of Human Genetics/ Genetics Society of America Booth 208

Bethesda, MD

www.ashg.org • www.genetics-gsa.org

The American Society of Human Genetics (ASHG), founded in 1948, and the Genetics Society of America (GSA), founded in 1931, work closely together to support geneticists and educate the public. Stop by our booth and learn about the programs GSA and ASHG offer for students and educators!

American Society of Plant Biologists Booth 415

Rockville, MD • www.aspb.org

ASPB is a professional society devoted to the advancement of the plant sciences. It publishes two world-class journals and organizes events that are key to the advancement of the science. Membership is open to anyone from any nation engaged in any part of the full spectrum of plant science.

Amgen Biotech Experience Program Office Booth 619

Waltham, MA · www.amgenbiotechexperience.com

The Amgen Biotech Experience is an innovative science education program that provides teacher professional development, curriculum materials, and research-grade equipment and supplies to secondary schools. The program features a hands-on molecular biology curriculum designed to introduce students to the excitement of scientific discovery.

Bedford, Freeman & Worth (BFW) Publishing Group Booth 410

New York, NY • www.bfwpub.com/highschool

Bedford, Freeman, & Worth (BFW) Publishers is the prestigious publisher of groundbreaking AP®, pre-AP®, and NGSS-focused textbooks for high school students.

Bio CorporationBooth 514

Alexandria, VA • www.biologyproducts.com

Providing HIGH quality, LOW priced preserved specimens for over 20 years. Bio Corporation provides FREE disposal of our specimens and a one year GUARANTEE. Need your items fast? Need special packing? We got this. Bio Corporation, because they're worth it!

■ Bio-Rad LaboratoriesBooth 401

Hercules, CA • www.bio-rad.com

Depend on Bio-Rad for tools, technologies and expertise to enable genomic and proteomic analysis. Bio-Rad provides instrumentation and reagents for droplet digital PCR, conventional and real-time PCR, amplification reagents and primers, flow cytometry, xMAP technology, cancer biomarkers, electrophoresis, blotting-systems, chromatography, imaging, cell counting, cell imaging and antibodies.

Bone ClonesBooth 615

Canoga Park, CA • www.boneclones.com

Bone Clones, Inc. manufactures detailed, high-quality osteological reproductions of skeletal elements. In addition to producing specimens exhibiting trauma and pathology, we have an extensive range of skulls and skeletons providing age, sex, and ancestry differences. Our durable replicas obviate the need for a dedicated teaching collection of real human remains.

Carolina Biological Supply Company Booth 608

Burlington, NC • www.carolina.com

From our beginnings in 1927, Carolina Biological Supply Company has grown to become a leading supplier of science teaching materials. Today, from our headquarters in Burlington, North Carolina, we serve customers worldwide, including teachers, professors, home-school educators, and professionals in health and science-related fields.

Cell Zone, Inc. Booth 510

Springfield, MA • www.cellzone.org

Cell Zone makes hands-on biology classroom learning tools that increase success for more students. Our products create an inclusive environment where learning improves for all students. Use of our products turns the classroom into an active learning environment. Visit us to see how science can be for everyone.

Cengage Learning Booth 515

San Francisco, CA • www.cengage.com

Cengage Learning is a leading educational content, technology, and services company for the higher education and K—12, professional and library markets worldwide. The company provides superior content, personalized services and course–driven digital solutions that accelerate student engagement and transform the learning experience.

Chill Expeditions, LLC Booth 215

Bala Cyndwyd, PA • www.chillexpeditions.com

Chill Expeditions is a premier purveyor of student educational travel and eco-immersion in Central America, South America, Spain, and Greece. Owned and operated by former teachers, Chill Expeditions creates unparalleled experiential learning programs for middle school through university groups, customized to fit each teacher's educational goals.

EXHIBITOR KEY

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Clemson University Booth 317

Clemson, SC

www.clemson.edu/CAFLS/departments/biosci/

The Department of Biological Sciences is proud to offer an online, non-thesis Master of Biological Sciences designed specifically for K-12 teachers. The curriculum consists of 30 credit hours of relevant, rigorous, and challenging graduate courses that are specifically designed to improve science-content knowledge. This program is fully in a distance-learning format.

■ Cogent Education Booth 407

Athens, GA • www.cogenteducation.com

Cogent Education is dedicated to assisting teachers by creating interactive case study software that provides captivating real-world scenarios where students learn difficult biological concepts through inquiry and problem-solving. Funded by NIH and NSF, our Interactive Cases were designed by scientists to provide students opportunities to act like real scientists.

The Earthwatch Institute Booth 111

Boston, MA · www.earthwatch.org

Earthwatch is an international environmental charity with over 40 years of experience in bringing together students, educators, and scientists to conduct scientific research for the good of the planet. All bring their knowledge, passion, and experience to improve scientific understanding, and inspire change across all touch-points in their lives.

Ecology Project International Booth 203

Missoula, MT • www.ecologyproject.org

Ecology Project International is a non-profit organization dedicated to developing place-based, ecological education partnerships between local experts and high school students to address critical conservation issues. We engage youth from local communities and the United States in conservation as they learn about and help protect threatened species and habitats.

Edvotek Booth 411

Washington, D.C. • www.edvotek.com

Edvotek manufactures research-grade biotechnology education experiments, biologics, reagents and equipment for high schools and colleges. Experiments include DNA Fingerprinting, Electrophoresis, Forensics, PCR, Molecular Cloning, Immunology, Environmental Science and AP Biology. Products offer hands-on investigations with options for student participation in inquiry-based extensions that merge science and education.

Evolve Tours Booth 206

Toronto, ON • www.evolvetours.com

Evolve Tours organizes biology research and study tours for school groups to destinations around the world. We operate remote Eco lodges and work with local government conservation authorities and grassroots community organizations. Students contribute to on-the-ground biological research and policy decisions in communities around the globe.

● Flinn Scientific Booth 406 ♣

Batavia, IL • www.flinnsci.com

Flinn Scientific is the leader in science and laboratory chemical safety. Publisher of the world-renowned Flinn Science Catalog Reference Manual, Flinn develops and offers a full line of chemistry, biology, physics, life science, Earth science, physical science, and safety products for middle and high schools.

Frey Scientific Booth 519

Nashua, NH • www.freyscientific.com

Frey Scientific offers a complete line of supplies, equipment, technology, and lab design services for grades K-12. Among its secondary level supplemental science curriculum offerings, Inquiry Investigations® and iNeo/SCI® are proven to support student achievement through hands-on and virtual lab experiences.

● G-Biosciences Booth 307 🖭

Saint Louis, MO

www.Gbiosciences.com/Education

G-Biosciences currently offers over 60 hands-on laboratory kits to introduce grade 9 to college students to techniques in biotechnology, microbiology, molecular biology, proteomics and immunotechnology. G-Biosciences has partnered with Ellyn Daugherty's Biotechnology: Science for the New Millennium program to introduce new, engaging, hands-on laboratory kits to accompany the best-selling textbook.

Hayden-McNeil Publishing Booth 303

Plymouth, MI • www.hmpublishing.com

Hayden-McNeil is a leading publisher of custom course materials. We partner with educators to create course-specific, print or digital textbooks and lab manuals. In addition, our best-selling student lab notebooks contain crisp, carbonless copies of each page and discipline specific reference materials. Partner with Hayden-McNeil for all your lab needs.

Holbrook Travel Booth 311

Gainesville, FL • www.holbrooktravel.com

Holbrook Travel specializes in educational travel programs for students and professional development workshops for teachers to Latin America, East Africa, and beyond. Since 1974, we've helped educators design teacher-led student field expeditions that offer engaging, hands-on learning opportunities. All trips are customized to your dates, curriculum, and budget.

Howard Hughes Medical Institute (HHMI BioInteractive) Booth 623

Chevy Chase, MD • www.BioInteractive.org

HHMI BioInteractive produces free educational resources that tell important stories of scientific discovery. Based on real data and highlighting research practices, our short films, virtual labs, apps and print materials combine important science with engaging presentation. These multimedia resources are developed, vetted, and field-tested by educators and scientists.

It's About Time Booth 211

Mt. Kisco, NY • www.iat.com

IT'S ABOUT TIME® is the global leader in research-based STEM curricula for 5–12 and college students. Modeled on the way practicing scientists, engineers and mathematicians work, the IT'S ABOUT TIME® project-driven STEM solutions give educators tools to create a meaningful learning environment that deepens student engagement and problem-solving skills.

Johnson & Wales University Booth 107

Providence, RI • www.jwu.edu

Johnson & Wales University, is a nonprofit, private, accredited institution. An innovative educational leader, JWU offers a range of undergraduate and graduate degree programs that inspire professional success and lifelong personal and intellectual growth by integrating arts and sciences, professionally focused education and work experience with leadership and development opportunities.

Late Nite Labs Booth 300

New York, NY • www.latenitelabs.com

Late Nite Labs is the leading innovator of digital science labs. Our realistic science lab simulations offer an authentic, accessible experience that moves learning beyond the classroom. Give students the freedom to experiment and learn from their mistakes—at their own pace, at any time or place. Learn more: latenitelabs.com

Maderas Rainforest Conservancy Booth 306

Miami, FL · www.maderasrfc.org

The Maderas Rainforest Conservancy 501 (c) 3, was established to promote the conservation and management of Mesoamerican forests through education, conservation and community outreach. We are funded by travel opportunities available for groups and researchers. Our fair trade booth offers products made by our women's entrepreneurship project.

Massachusetts & Connecticut Association of Biology Teachers Booth 416

Franklin, MA • www.massbioteachers.blogspot.com www.ccsu.edu/CTABT

We are affiliates of the National Association of Biology Teachers. We are dedicated to promoting the professional growth and development of biology teachers in Massachusetts and Connecticut to enhance their effectiveness in the classroom and community. Making connections locally.

The MiniOne Electrophoresis Booth 309

San Diego, CA • www.theminione.com

Run a gel in 20 minutes with the MiniOne. View your results and take a gel picture during class. The revolutionary MiniOne Electrophoresis System features a safe 42V low voltage power supply, non-UV illuminator and uses non-hazardous reagents. Get research quality results at a classroom friendly price.

miniPCRBooth 614

Cambridge, MA • www.minipcr.com

Teach hands-on DNA biology with miniPCR™. The miniPCR DNA Discovery System™ is an innovative, complete, and affordable biotechnology lab under \$1,000, including a PCR machine, gel electrophoresis system, and micropipette. miniPCR Learning Labs™ engage students in hands-on inquiry. Push the limits of DNA discovery in your own classroom.

Nasco Booth 310

Fort Atkinson, WI • www.enasco.com

Nasco has proudly served teachers since 1941 and will celebrate 75 years in 2016. Our preserving room staff has a combined 205 years of experience offering top quality specimens. We specialize in Live Material, and quality equipment for your classroom and laboratory needs. We at Nasco are "Dedicated to Delivery".

National Center for Science Education Booth 408

Oakland, CA • www.ncse.com

NCSE defends the teaching of evolution and climate science. NCSE provides information, resources, and advice to schools, teachers, parents, and concerned citizens defending science education. Our 5000 members are scientists, teachers, clergy, and citizens with diverse religious and political affiliations.

National Library of Medicine Booth 518

Bethesda, MD • www.nlm.nih.gov

The National Library of Medicine provides K-12 teachers and students with FREE, reliable science and health information resources and programs to help introduce, reinforce, and supplement education programs. Resources include biology, careers, chemistry, environmental health science, forensics, general health, genetics, and HIV/AIDS. For more information, please visit sis.nlm.nih.gov/outreach/k12.html.

New York Chiropractic College Booth 315

Seneca Falls, NY • www.nycc.edu

NYCC offers an on-line Master's degree in Human Anatomy & Physiology Instruction which provides both the skills and credential to teach A&P at the undergraduate level. Classes begin twice a year (September & January) and are limited to 30 students per cohort.

Northern Michigan University Booth 318

Marquette, MI • www.nmu.edu/biology/node/110

Northern Michigan University's Master of Science in Post–Secondary Biology Education program combines a graduate–level science curriculum with pedagogical training so graduates will be well prepared to compete for full–time community college instructional positions immediately upon graduation and to support application to PhD programs.

Nutrients for Life Foundation Booth 216

Washington, D.C. • www.nutrientsforlife.org

The Nutrients for Life Foundation is an organization consisting of members and collaborative partners that develops and distributes science-based materials to improve plant nutrient literacy, soil health knowledge and promote crop nutrients' role in sustaining a growing population. We provide free curriculum, posters, and more to educators about crop nutrients.

Ocean First Education Booth 214

Boulder, CO • www.oceanclassrooms.com

Ocean First Education brings science to life by combining research and education through engaging, interactive online courses. Our team of scientists, educators, and eLearning experts develops innovative approaches to marine science concepts. Our goal is to connect students and educators to the ocean regardless of where they live.

OHAUS Corporation Booth 101

Parsippany, NJ • www.ohaus.com

Connect to the real world of measurement through OHAUS' dependable equipment, engaging activities, and relevant technology which promise to provide your students with meaningful, lasting experiences, and help improve learning outcomes at all grade levels.

OpenStax College Rice University Inc Booth 509

Houston, TX • www.openstaxcollege.org

OpenStax College is Rice University's non-profit textbook initiative committed to improving access to quality learning materials. Made possible through generous support of philanthropic foundations, OpenStax College provides free textbooks, developed and peer-reviewed by educators to ensure they are readable, accurate and meet the scope and sequence requirements of your course.

PASCO Scientific Booth 200

Roseville, CA • www.pasco.com

Help students "think science" with PASCO Scientific's award-winning, state-of-the-art science learning environment. Integrating STEM and the latest standards-based content, probeware, and data collection and analysis software, PASCO science solutions are easy to use, cost-effective, and work on your devices: iPad®/iPhone®, Chromebook™, Android™ tablets and phones, and Mac® and Windows® computers.

PearsonBooth 506

San Francisco, CA • www.pearsoned.com

As the #1 college science publisher worldwide, Pearson is dedicated to providing innovative, effective solutions for teaching challenges in biology. Stop by our booth to explore the new Second Edition of Campbell Biology in Focus, new assignment options in MasteringBiology™, and more. www.pearsonhighered.com

Personal Genetics Education Project, Harvard Medical School Booth 210

Boston, MA • www.pged.org

The Personal Genetics Education Project (pgEd) from Harvard Medical School creates a freely available curriculum on cutting-edge topics in genetics. pgEd lessons utilize a broad range of relevant lenses for engaging students in discussions about the potential benefits and implications of knowing more about one's genetic make-up.

Project Lead The Way Booth 117

Indianapolis, IN · www.pltw.org

Project Lead The Way (PLTW) is a nonprofit organization that provides a transformative K-12 learning experience. Through computer science, engineering, and biomedical science pathways, students learn problem-solving, critical and creative thinking, communication, and collaboration. PLTW empowers students to develop in-demand knowledge and skills necessary to thrive in an evolving world.

Qubit Systems Inc. Booth 103

Kingston, ON • www.qubitsystems.com

Qubit Systems has been providing instruments and software for teaching biology in the laboratory for over 20 years. Our Q-Box lab packages are adaptable for measuring a range of physiological processes in plants, animals, humans, aquatic organisms, tissues and organelles. We also provide analysers for environmental monitoring and control.

Sapling Learning Booth 301

Austin, TX • www.saplinglearning.com

Created by master's- and Ph.D.-level educators, Sapling Learning's instructional online homework engages students and empowers educators. From an easy-to-use platform to freedom of textbook choice and unsurpassed subject-matter expert support, Sapling Learning has all the tools needed to support your General & Introductory Biology, Genetics and Human Biology courses.

● SeaWorld Parks & Entertainment LLC Booth 400

Orlando, FL • www.seaworld.com/teachers

For over 50 years, the SeaWorld and Busch Gardens parks have provided educators with resources and experiences to advance their knowledge and appreciation of biological principles. Today, the parks provide teacher workshops, distance learning courses, teacher guides, videos and live streams from the parks to enhance your biology lesson plans.

Simbio Booth 201

Ithaca, NY • www.simbio.com

SimBio is a leading developer of interactive, simulation-based labs in biology, used in over 20% of colleges and universities. Please stop by our booth if you would like to talk to an author, see our newest ecology, evolution, genetics, and cell-biology labs, and/or register for FREE evaluation software

● Thermo Fisher Scientific Booth 314 ♣️조️

Carlsbad, CA • www.thermofisher.com

Thermo Fisher Scientific is the world leader in serving science. Our mission is to enable our customers to make the world healthier, cleaner and safer. Through our Thermo Scientific, Applied Biosystems, Invitrogen and Gibco brands, we offer an unmatched combination of innovative technologies, purchasing convenience and support.

Professional Development Resources from the **American Society for Microbiology**

www.biologyscholars.org

ASMCUE 2016

Blending science and education, the conference showcases prominent researchers, scholars, curriculum leaders, textbook publishers, and funding agencies.

July 21-24, 2016 | North Bethesda, MD

2016 Deadlines

January 1 – Conference Registration Opens February 1 – Abstract Submission Deadline February 29 – Microbrew Submission Deadline March 14 - Travel Award Deadline May 16 – Discount Registration Deadline

Biology Scholars Program

Training institutes for faculty at all stages in their scholarly journey.

July 19-21, 2016 | North Bethesda, MD

Assessment Institute: Measuring Student Learning Participants examine the role of learning outcomes in course design and explore a wide range of techniques and tools that effectively assess student learning.

Transitions Institute: From Science Education Research to Publication

Participants evaluate the results of their classroom learning research, share preliminary results, and prepare for publication.

Research Institute: Discipline-Based Education Research

Participants learn effective teaching strategies and develop the skills to create, design, and implement studies.

Application Deadline: February 1, 2016



ASM Education

1752 N Street, NW, Washington, DC 20036 Ph: 202-942-9322 | e-mail: education@asmusa.org

Journal of Microbiology & Biology Education (JMBE)

Freely available peer-reviewed publication addressing education issues and practices.

- Promoting good pedagogy
- Research, tips, perspectives, and reviews
- Two peer-reviewed issues per year
- Online, searchable and FREE

MicrobeLibrary Collections

Freely available peer-reviewed resources for microbial science teachers created by, for, and with the community.

- Gallery Images and
- Visual Media Briefs
- Laboratory Protocols
- Student Learning Assessments in Microbiology Database (SLAMD)

ASM Curriculum Guidelines for Undergraduate Educators

Identify six overarching concepts that ensure a foundational understanding in microbiological topics deemed to be of lasting importance.

K-12 Outreach Activities

Illustrate incorporation of the microbial world in the K-12 community through science courses or community-based events and programs.

ASM M(icro)OOCs

Professional development webinars on topics of interest to science educators. Including:

- Lesson and course design
- Inclusive pedagogy
- Curriculum guidelines
- Laboratory safety

www.microbelibrary.org

www.asm.org/educators

www.facultyprograms.org

The Tree Room Booth 517

Berkeley, CA · www.treeroom.org

UC Berkeley's landmark Understanding Evolution website just got even better with The Tree Room. This freely available companion site for educators and students from middle school through college-level brings evolutionary relationships to life with interactives, vetted lessons, teaching tips, clarifications of common misconceptions, and more.

Turning Technologies Booth 414

Youngstown, OH · www.turningtechnologies.com

Engage, monitor and measure with Turning Technologies' learning solutions. TurningPoint Cloud is a cloud-based interface that offers secure collection of data. Seamlessly poll with PowerPoint®, over any application or conduct self-paced assessments. Gather detailed reports with ResponseCard clickers or with ResponseWare via any web-enabled device.

UMass Amherst Summer Programs Booth 115

Amherst, MA

www.umass.edu/summer/precollege

UMass Amherst Summer Programs offers residential pre-college summer intensives for high school students in the sciences, humanities and arts. 2-week STEM programs include: Astronomy, Engineering, Forensic Chemistry, Kinesiology and more, as well as 6-week lab research opportunities in Biology, Biochemistry, Psychology and Food Science. With co-curricular programming and college prep.

■ Vernier Software & Technology Booth 500

Beaverton, OR • www.vernier.com

Vernier Software & Technology is the leader in data collection technology for biology, life science, and environmental science education. Our award-winning hardware, software, and curricula will help integrate technology and inquiry into your courses. Stop by our booth to see what's new and enter to win a Vernier LabQuest 2!

Walking Tree Travel Booth 409

Denver, CO • www.walkingtree.org

Walking Tree partners with wildlife research institutions and non-profit conservation organizations in dozens of countries to provide meaningful and educational international volunteer experience for middle and high school students and teachers. Participants work in the field along-side experts and explore careers in biology, conservation/sustainable development, and wildlife science.

Washington University in St. Louis -University College Booth 218

St. Louis, MO • ucollege.wustl.edu/msinbiology

Teachers earn their Master of Science in Biology degree in two years through this hybrid program that combines life science content knowledge with pedagogy & leadership projects. It consists of two, three week summer institutes in residence. The remaining coursework during the 2 academic years is completed through distance learning.

WGBH Educational Foundation / Nova Booth 616

Boston, MA · pbs.org/nova/labs

NOVA Labs is a free digital platform that engages participants in activities and games that foster authentic scientific exploration. Participants take part in real-world investigations by using the same data that scientists use. Their learning is supported by the quality science videos that NOVA has been making for 42 years.

Wisconsin Fast Plants Program Booth 618

Madison, WI · www.fastplants.org

The Wisconsin Fast Plants Program of UW-Madison freely shares innovative resources for teaching science at all levels with rapid-growing Fast Plants. We bring to NABT and share online NGSS-aligned resources, AP Biology investigation materials, and research work. From life cycle, to genetics, evolution and environment, Fast Plants bring science alive.

WorldStrides Booth 219

Charlottesville, VA • www.worldstrides.com

WorldStrides is the nation's largest and most respected accredited travel organization, helping 300,000 students travel each year to destinations in more than 90 countries. Our programs are marked by exceptional service, a superior safety record, and a personalized approach to educational travel that is unmatched in the field.

W.W. Norton & Company Booth 302

New York, NY • www.wwnorton.com

The oldest and largest publishing house owned wholly by its employees, W. W. Norton, Inc. publishes about 400 trade, college, and professional titles each year.