

2009/2010 BES Awards Report

38 Awards ~ \$47,385

Organization Name
Primary Contact
Project Title
Project Description
Award

Charlotte Area Science Network

Dr. Kate Popejoy

Traditional Chinese Medicine and Enlightenment to Personalized Nutrition

PUBLIC INFORMATION SUMMARY

On October 13, 2009, the Charlotte Area Science Network will host an event called Traditional Chinese Medicine and Enlightenment to Personalized Nutrition. The featured speaker, Dr. Wei Jai, Director of Metabolomics at DH Murdock Research Institute, will present and engage the audience in discussion of scientifically-substantiated studies of Chinese medicine.

\$500.00

Contemporary Science Center

Ms. Pamela Blizzard

Contemporary Science Center

Using Inquiry Methods in Life Science Teaching -- Professional Development for Durham Public School Teachers

PUBLIC INFORMATION SUMMARY

This year, as the Field Study program enters its 6th year, the CSC has begun to offer a Professional Development workshop to teachers, in order to expand the CSC's impact on education and enable teachers to learn the methods the CSC has used to develop and teach Inquiry-based classes based on Triangle life science. The CSC seeks support for its upcoming October 26th Inquiry workshop, being offered to Duke University Masters of Arts in Teaching graduate science and math teachers, and their Durham Public School mentors and colleagues.

\$400.00

Organization Name
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Award

Contemporary Science Center

Mr. Anton J. Zuiker

ScienceOnline2010

PUBLIC INFORMATION SUMMARY

ScienceOnline2010 is the fourth annual science blogging conference, dedicated to the public engagement in science. It will gather 275 scientists, educators, students, journalists and bloggers from North Carolina, the United States and other countries to demonstrate, discuss and debate a broad range of online communication and education strategies and tools.

\$1,500.00

East Carolina University

Dr. Brian A. McMillen

11th Annual Neuroscience Symposium

PUBLIC INFORMATION SUMMARY

The annual research day is used to bring together the neuroscience research community from the many departments and locations in the area for a day of sharing our research and our ideas built around 2 -- 3 guest speakers and with time for equipment vendors to exhibit their newest equipment.

\$702.64

Enloe Magnet High School

Ms. Celia Rowland

National Enloe Mathematical Olympiad

PUBLIC INFORMATION SUMMARY

A math competition designed for middle school students exclusively by high school students with profound experience in math competitions. NEMO is held annually at Enloe High School.

\$203.55

Organization Name
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Award

Greensboro Chamber of Commerce

Ms. Kathy Elliott

Capital Connects!

PUBLIC INFORMATION SUMMARY

This invitation-only event links early stage companies with accredited investors from across the nation. We'll be holding the Capital Connects! event in conjunction with the Southeast Regional meeting for the Angel Capital Association to help increase Greensboro's exposure to the angel and venture capital communities.

\$1,500.00

Guilford College

Dr. Melanie J. Lee-Brown

107th Annual Meeting of the North Carolina Academy of Science

PUBLIC INFORMATION SUMMARY

The 107th North Carolina Academy of Sciences Annual Meeting will be held on March 26-27, 2010 on the Guilford College Campus in Greensboro, North Carolina. This meeting provides undergraduate and graduate students, as well as senior scientists, with the opportunity to present their research.

\$2,000.00

Huntington's Disease Society of America - NC Chapter

Ms. Debra Keelean-Fuller

North Carolina Chapter for the Huntington's Disease Society of America Annual Board Meeting - "Working with Huntington's Disease"

PUBLIC INFORMATION SUMMARY

The NC Chapter HDSA will conduct its 9th annual chapter meeting on October 24, 2009, from 8:30 AM to 6 PM at the NC Biotechnology Center in Research Triangle Park, NC. Charles Sabine, NBC News Correspondent, will deliver the keynote address titled "A New Future of Living with Huntington's Disease".

\$500.00

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North Carolina Association for Biomedical Research

Ms. Suzanne W. Wilkison

Animal Research and Animal Rights Issues Forum: Security Threats and Challenges

PUBLIC INFORMATION SUMMARY

NCABR is presenting an "Animal Research and Animal Rights Issues Forum: Security Threats and Challenges" on Monday, March 29, 2010, at the N.C. Biotechnology Center to prepare North Carolina bioscience researchers for challenges, including threats from activists opposed to animal research and to the applications of biotechnology.

\$2,000.00

North Carolina Association for Biomedical Research

Ms. Suzanne W. Wilkison

2010 IACUC Conference

PUBLIC INFORMATION SUMMARY

NCABR is presenting its "2010 IACUC Conference" on Thursday, May 20, and Friday, May 21, 2010, at the N.C. Biotechnology Center to provide biotechnology and biomedical researchers involved with institutional animal care and use committees with the professional development and training that is required of them by federal regulations.

\$2,000.00

North Carolina Department of Commerce

Dr. John W. Hardin

North Carolina Nanotechnology Commercialization Conference 2010

PUBLIC INFORMATION SUMMARY

The North Carolina Nanotechnology Commercialization Conference (NCNCC) 2010 is aimed at promoting increased nanotechnology commercialization in North Carolina through partnering, funding, and technology transfer. Scheduled for March 31st through April 1st, 2010, the NCNCC will be held at the Koury Convention Center in Greensboro, North Carolina.

\$678.99

Organization Name
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Award

North Carolina State University

Dr. George T. Barthalmus

NC State University Undergraduate Research Symposium

PUBLIC INFORMATION SUMMARY

This 19th NC State University Undergraduate Research Symposium showcases the hands-on scholarship of students who are interested in admission to graduate and professional schools and who seek excellent employment, hopefully in North Carolina. Approximately 72% of the students are in disciplines linked to biotechnology.

\$900.00

North Carolina State University

Dr. Robert M. Kelly

2009 Molecular Biotechnology Research Symposium

PUBLIC INFORMATION SUMMARY

A symposium featuring presentations (poster and oral) by graduate students enrolled in the Molecular Biotechnology Training Program (MBTP) followed by an afternoon session at which distinguished speakers from NC State, the RTP area and the nation discuss the latest developments in the life sciences and biotechnology.

\$1,000.00

North Carolina State University

Mr. Andrew J. DiMeo

4th Annual Biomedical Engineering Symposium

PUBLIC INFORMATION SUMMARY

The Biomedical Engineering Symposium will consist of poster and PowerPoint presentations covering a wide array of topics. Presentations will be given by each senior design team from NCSU as well as poster presentations by individual graduate students

\$1,332.65

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North Carolina Tissue Engineering & Regenerative Medicine Group

Dr. Shay Soker

*2009 North Carolina Tissue Engineering
& Regenerative Medicine (NCTERM) Annual Meeting*

PUBLIC INFORMATION SUMMARY

The NCTERM conference offers an extensive review on tissue engineering and regenerative medicine-related research topics in North Carolina. The focus of this years' conference will be on integrating new scientists from universities and academic institutions across the state, which are new to the field.

\$600.00

Piedmont Triad Partnership

Mr. Robert Haack

2009 Triad BioNight

PUBLIC INFORMATION SUMMARY

Triad BioNight is a biennial event dedicated to celebrating biotechnology in the Piedmont Triad region and across the state, and recognizing the achievement and leadership of those in the Triad biotechnology and life sciences community who have been influential in supporting and guiding its development, evolution and continued growth.

\$2,000.00

Research Triangle Environmental Health Collaborative

Mr. Martin Armes

Environmentally Responsible Development of Nanotechnology

PUBLIC INFORMATION SUMMARY

Identify critical issues in nano-enabled product development and manufacturing and explore the nanomanufacturing landscape; so that businesses can overcome barriers to success related to environmental/occupational health concerns. Meeting outcome is guidance document to highlight these critical issues and provide business and policymakers with recommendations about how to successfully address them.

\$500.00

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Research Triangle Institute

Mr. Michael Whitehouse

Personalized Medicine in the 21st Century

PUBLIC INFORMATION SUMMARY

"Personalized Medicine in the 21st Century" is a symposium featuring perspectives from leading authorities -- from academia, government and the business and investment communities -- on the future of personalized medical care. Program will include three keynote presentations and detailed discussions by panel members on the whole spectrum of personalized medicine -- from prediction to prevention -- and will provide attendees with a window into the emerging personalized medicine world and challenges and opportunities that this new world presents.

\$2,000.00

UNC - Chapel Hill

Dr. Valerie S. Ashby

North Carolina Alliance to Create Opportunity Through Education Eighth Annual Alliance Day Conference

PUBLIC INFORMATION SUMMARY

Professional conference featuring nationally known speakers, student research presentations, student recruitment fair and informative workshops. One focus area of the conference is biotechnology and its career pathways. Open to middle school, high school, undergraduate and graduate students with special emphasis on populations groups underrepresented in STEM fields.

\$1,912.30

UNC - Chapel Hill

Dr. Brian D. Strahl

Chromatin Structure and Function

PUBLIC INFORMATION SUMMARY

How the genetic blueprint of life (DNA) is regulated is of major importance for biotechnology and human health. A local group of investigators will hold a high impact, one-day symposium to address the latest advances in the studies of how DNA is packaged and appropriately utilized in cells.

\$1,500.00

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UNC - Chapel Hill

Dr. Bob Goldstein

Green Fluorescent Protein Lighting Up Life Event

PUBLIC INFORMATION SUMMARY

This event will comprise a public lecture and a reception for the benefit of the Triangle academic and biotechnology community. Dr. Martin Chalfie will present his lab's research on the development of Green Fluorescent Protein (GFP) as a marker for protein localization and gene expression in living organisms, for which he won the Nobel Prize last year.

\$762.09

UNC - Chapel Hill

Dr. Jennifer Brennan

From Molecular Networks to the Prediction of Physiological States Associated with Disease

PUBLIC INFORMATION SUMMARY

The Carolina Center for Genome Sciences sponsors a monthly seminar series to invite prominent speakers whose work is relevant to genetics/genomics. In October, we are pleased to host Dr. Eric Schadt (CSO, Pacific Biosciences) to present his work defining complex disease networks and their insights for drug discovery.

\$1,000.00

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UNC - Chapel Hill

Dr. Adrienne D. Cox

Cellular Stress and Aging

PUBLIC INFORMATION SUMMARY

The twelfth annual Cell and Molecular Biology Symposium is entitled, "Cellular Stress and Aging". This theme encompasses the study of signaling pathways that regulate cellular response to stress and lifespan. The goal of the symposium is to engage the local scientific community with four world-renowned investigators who study how stress response and longevity pathways converge to regulate an organism's lifespan and identify the components that may serve as therapeutic targets to treat human diseases such as Alzheimer's disease and cancer. The symposium will consist of two 50-minute scientific presentations in the morning, followed by an informal lunch in which attendees can converse with the invited speakers, then a graduate student poster session and two more 50-minute presentations. The audience will consist primarily of graduate students, post-doctoral fellows and faculty from the University of North Carolina at Chapel Hill as well as researchers throughout the Research Triangle, e.g., Duke, NC State, NIEHS, NCCU, etc. We anticipate ~150 attendees at the Symposium

\$1,283.00

UNC - Chapel Hill

Dr. Albert Baldwin

34th Annual UNC Lineberger Comprehensive Cancer Center MicroRNA and non-coding RNAs in Development and Cancer

PUBLIC INFORMATION SUMMARY

This two-day symposium will focus on microRNAs and non-coding RNAs in Development and Cancer. The recent identification of genes encoding microRNAs and non-coding RNAs has been a major finding in the genomics field, and are known to regulate a variety of key cellular processes including growth, differentiation, and gene expression.

\$2,000.00

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UNC - Chapel Hill

Dr. Nobuyo Maeda

Integrative Vascular Biology & UNC McAllister Heart Institute Annual Symposium

PUBLIC INFORMATION SUMMARY

The IVB and MHI Annual Symposium on March 23, 2010 at UNC-CH, hopes to promote multidisciplinary approaches to cardiac and vascular research. Graduate students and post-doctoral fellows from MHI and IVB will present their research and there will be two invited speakers, Dr. McDonald and Dr. Mukesh Jain.

\$2,000.00

UNC - Chapel Hill

Dr. Jan Boxill

Is Nature Enough? A Symposium Exploring the Ethics of Human Enhancement

PUBLIC INFORMATION SUMMARY

In the course of rapid medical and technological developments, the lines distinguishing 'normal' and 'enhanced' states of biological being are becoming increasingly blurred. This two-day symposium will examine the ethical issues raised by advances in biotechnology and medicine that aim to transform the human body.

\$2,000.00

UNC - Chapel Hill

Mr. Rich Lotstein

Host-Associated Microbial Communities in Health and Disease

PUBLIC INFORMATION SUMMARY

Our environment hosts billions of bacterial cells that are uncultivable, which historically meant that they could not be studied or characterized. New genomic technologies allow researchers to now examine microbial communities and their impact on health and environment. This event highlights current work and new initiatives.

\$1,840.00

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UNC - Chapel Hill

Ms. Hyun 'Kate' O. Lee

North Carolina DNA Day 2010

PUBLIC INFORMATION SUMMARY

Graduate students and postdoctoral scholars from North Carolina's leading research institutions will visit high schools across North Carolina to present modules on cutting-edge biotechnology, hands-on activities, and talk about their research. Our program aims to educate, excite, and inspire rural high school students to sciences.

\$2,000.00

UNC - Chapel Hill

Dr. Alisa S. Wolberg

Measurement of Microparticles (MPs) in Plasma and their Role in Disease

PUBLIC INFORMATION SUMMARY

Microparticles (MPs) are circulating vesicles released from cells, and have been implicated in progression of many diseases. This event will bring together leading investigators in MP biology and pathology to discuss technologies for analyzing MPs, determining their pathogenic functions, and developing novel therapeutic approaches to reducing MP-associated morbidity and mortality.

\$1,070.00

UNC - Charlotte

Ms. Clare C. Faggart

The 8th Annual Charlotte Biotechnology Conference

PUBLIC INFORMATION SUMMARY

The Charlotte Biotechnology Conference presents the Charlotte regional role in North Carolina's biotechnology industry. The format consists of keynote speakers, high profile panel discussions and research presentations. Over 360 attendees will have an opportunity to network with key figures within the local, regional and national biotechnology landscape.

\$1,700.00

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UNC - Charlotte

Ms. Ellen E. Zavala

The North Carolina Society of Research Administrators (NCSRA) Annual Conference

PUBLIC INFORMATION SUMMARY

The North Carolina Society of Research Administrators (NCSRA) Annual Conference offers pre/post-award fundamentals of research administration, sessions for the Certification Research Administration Exams and professional networking for administrators.

\$2,000.00

UNC - Charlotte

Ms. Clare C. Faggart

9th Annual Five Ventures Business Plan Competition and Conference

PUBLIC INFORMATION SUMMARY

Business plan competition for potential high-growth start-ups. Preliminary events include training, seminars, matchmaking and one-on-one coaching. Biotechnology is a significant sector of the competition by which 40% of the entrepreneurs will have some biotechnology component to their business model.

\$2,000.00

UNC - Wilmington

Dr. Kate E. Bruce

2009 State of North Carolina Undergraduate Research and Creativity Symposium (SNCURCS)

PUBLIC INFORMATION SUMMARY

The goal of the State of North Carolina Undergraduate Research and Creativity Symposium is to provide a state-wide forum to recognize undergraduates' accomplishments. Now in its 5th year, SNCURCS fosters connections between 4-year college/university programs and high school and community colleges. Students learn about NC educational and business research opportunities.

\$1,000.00

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Wake Forest University Health Sciences

Dr. Allyn C. Howlett

Carolina Cannabinoid Collaborative 2009 Assembly

PUBLIC INFORMATION SUMMARY

The Carolina Cannabinoid Collaborative 2009 Annual Assembly will bring together researchers who study the Endocannabinoid System (the endocannabinoid hormones, receptors, and metabolic enzymes). The meeting will focus on novel drug design targeting the endocannabinoid system in disease states such as obesity, diabetes, immune and neurodegenerative diseases, and pain relief.

\$1,000.00

Wake Forest University Health Sciences

Dr. Christos Constantinidis

Windows to the Brain: Connecting Minds and Machines

PUBLIC INFORMATION SUMMARY

The symposium will provide Western North Carolina with a forum to learn about technological advances in brain-machine interface research affecting human health and rehabilitation. The symposium will bring together clinical and basic scientists with expertise in different brain systems. The event will take place in conjunction with Brain Awareness Season.

\$2,000.00