



# 2013-14 ANNUAL REPORT

## Life Science Community Support

### IACUC TRAINING

In April 2014, NCABR continued our biennial series of professional development training for members of animal care and use programs with *IACUC 2014*, a two-day conference. *IACUC 2014* was attended by a mixture of new and seasoned IACUC members and included expert presenters from organizations such as AAALAC International, Duke University, GlaxoSmithKline, the NIH, North Carolina State University, Penn State University, UNC Chapel Hill and Wake Forest University.

NCABR's IACUC series is designed for IACUC Chairs, IACUC Committee members, IACUC Administrators/Coordinators, regulatory personnel, support staff, Institutional Officials, research managers, animal researchers, Attending Veterinarians, other lab animal veterinarians, animal care staff and others interested in IACUCs.



*IACUC 2014* was sponsored by Duke University, UNC Charlotte, the North Carolina Biotechnology Center and QuestX.

### EXPORT MANAGEMENT AND COMPLIANCE TRAINING

In February 2014, NCABR presented *How to Develop an Export Management & Compliance Program, Including the I-129 for Deemed Exports*, a full-day professional development course for individuals who manage the shipping and exporting programs at universities and biotech companies.

The course featured comprehensive presentations and interactive activities led by experts from UNC Chapel Hill and the U.S. Department of Commerce.

*How to Develop an Export Management & Compliance Program, Including the I-129 for Deemed Exports* was sponsored by the Carolinas Biological Safety Association and Precision Air Technologies.

## Educational Outreach

### STATEWIDE STEM EDUCATION CONFERENCE

In October 2013, NCABR presented the second annual *Bridging the Gap: Uniting North Carolina K-16 STEM Education* conference, whose goal is to strengthen K-16 science, technology, engineering and math education throughout North Carolina.

*Bridging the Gap* was attended by all levels of K-12 and higher education, and by state and federal government employees, industry representatives and individuals from nonprofit STEM groups, such as science museums and grassroots education organizations. In all, nine states and 53 North Carolina counties were represented by the 320+ attendees.

The conference included a keynote address by Dr. Philip Sadler, of Harvard University and the Harvard-Smithsonian Center for Astrophysics, and a special breakfast session about STEM career opportunities with the FBI. It also featured a two-day poster session and exhibit booths presented by 19 educational and scientific organizations.

*Bridging the Gap 2013* was sponsored by the Burroughs Wellcome Fund, Davidson College, East Carolina University and UNC Charlotte.



The third annual edition of *Bridging the Gap* is scheduled for October 2014.



### TEACHER WORKSHOPS

For the 20th consecutive school year, NCABR presented *Rx for Science Literacy*, a series of free training workshops for K-12 science teachers. In 2013-14, 11 workshops were offered — each with an extensive waiting list of teachers eager to attend. Topics included basic biomedical research, cancer, evolution and medicine, the use of food as a teaching tool, the science of healthy behaviors, biomanufacturing, and sustainability.

As in years past, many of these workshops bring teachers into an animal research facility to give them a first-hand look at the many possibilities animal research offers for improvements in human and animal health. Since 1994, more than 4,000 teachers from 95 of North Carolina's 100 counties have attended *Rx for Science Literacy*.

### CURRICULUM UPDATES

In spring 2014, NCABR published a new edition of our acclaimed *Mapping Your Future: Careers in Biomanufacturing* curriculum manual for grades 6-12 with grant funding from the Biogen Idec Foundation. The manual has been comprehensively updated for the first time since its initial publication, in 2006, to better reflect the dramatically changed landscape of biomanufacturing and biotechnology over that time. It is used with approximately 16,000 North Carolina middle and high school students each year.

NCABR also offers an accompanying online professional development course, which has been taken by more than 50 middle and high school educators since July 2013. It allows educators to earn continuing education credits by exploring web-based biotechnology content, completing written exercises and implementing classroom activities.

The 2013-14 school year also was the first full year to feature the newest edition of NCABR's *Rx for Science Literacy* curriculum manual, which was updated comprehensively in 2013 with support from the North Carolina Biotechnology Center. The 500-page manual focuses heavily on the critical role animals play in the bioscience research process and the major benefits of that research.