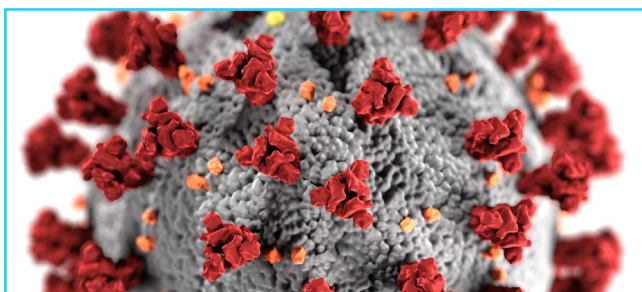




2021-22 ANNUAL REPORT

Life Science Community Support



IACUC, IBC AND IRB SUPPORT

NCABR will partner with the Massachusetts Society for Medical Research, the FBI and the Maine Regulatory Training and Ethics Center to present *The Three I's: Biosecurity & Research Integrity – Promoting the Responsible Conduct of Research, Partnership, Ethics, Best Practices and the Exploration of Current Trends* on April 25 - 27. This conference will be fully virtual with 38 speakers representing 28 organizations from 10 states.

MEMBER CONVERSATIONS

NCABR kept the North Carolina research community connected in 2021-22 through two virtual *Member Conversations*, which drew 65 total attendees and addressed two topics requested by the membership: The USDA's Age of Enforcement and the roles and responsibilities of attending veterinarians. NCABR's *Member Conversations* are periodic member meetings held on an as-needed basis to address timely topics of interest. They have supported 326 members since 2015. Upcoming *Member Conversations* will address disaster planning for laboratory animal research facilities and strategies to improve non-affiliated community member recruitment and participation.

SHORT COURSES

NCABR continued in 2021-22 to offer the membership and the national research community virtual professional development offerings to keep employees current during ongoing pandemic conditions. Trainings included a *Biosafety Fundamentals* virtual course in January, an *Exporting Research Materials* virtual course in March, and a *Plant Biotechnology, Field Trial Basics and Arthropod Husbandry* virtual course in April. In total, these support programs reached 29 attendees from 16 organizations in six states.

BTG 2021



K-16 STEM EDUCATION CONFERENCE

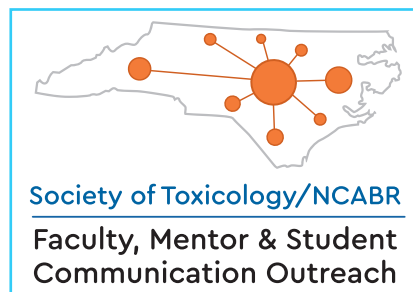
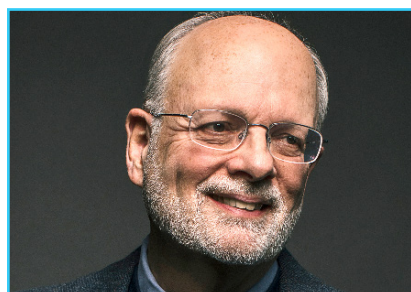
In October, NCABR presented the 10th annual *Bridging the Gap: Uniting North Carolina K-16 STEM Education* conference, whose goal is to strengthen K-16 science, technology, engineering and math education throughout North Carolina.

The 2021 virtual conference drew 157 attendees and featured more than 65 presenters who focused on diversity, equity and inclusion in STEM. Keynote speakers were Thomas Randall, Ph.D., an expert in integrated bioinformatics at the National Institute of Environmental Health Sciences, who discussed DNA analysis. Nimmi Ramanujam, Ph.D., Director of Duke's Center for Global Women's Health Technologies, discussed her inventions that make treatment for diseases such as breast and cervical cancer more effective and efficient for women around the globe. Barton Haynes, M.D., Director of Duke's Human Vaccine Institute, discussed COVID vaccines for children, boosters and the effectiveness of existing vaccines against current virus variants.

Bridging the Gap sponsors were the Biogen Foundation; the Burroughs Wellcome Fund; Davidson College; the North Carolina Biotechnology Center and the North Carolina Science, Mathematics, and Technology Education Center. Partnering organizations were the Kenan Fellows Program for Teacher Leadership, the National Institute of Environmental Health Sciences and The Science House at N.C. State University.

Since *Bridging the Gap* launched in 2012, more than 3,580 individuals from 96 North Carolina counties and 26 states have participated. The 11th edition is scheduled for October 25 - 26, 2022.

Educational Outreach



WORKSHOPS, CONFERENCES & K-12 OUTREACH

NCABR continued to reach educators this year with its *Rx for Science Literacy* K-12 curriculum manual and training series. Since 1994, more than 5,295 K-12 teachers from 97 N.C. counties have participated in the series. Since the onset of the pandemic, NCABR has partnered with its sister organizations to allow K-12 teachers from across the nation to access NCABR's workshops. This year's workshops continued virtually, reaching 73 educators from 34 N.C. counties and from Del. and Pa.

In July 2021, NCABR facilitated the Science, Teachers and Research Summer (STaRS) Experience, a one-week virtual program for 30 teachers with NIEHS.

NCABR provided four bioscience presentations for the N.C. Department of Public Instruction's annual Career and Technical Education conference that was held virtually in July 2021, reaching more than 150 N.C. high school teachers.

UNDERGRADUATE EDUCATION AND OUTREACH

In 2021-22, NCABR and the Society of Toxicology continued the N.C. Higher Education Faculty & Mentor Network, whose goal is to increase awareness among undergraduate students of the value of toxicology and about careers in the field. Now in its second year, the Network consists of 29 teaching faculty and mentors from academia, industry and government who represent 15 organizations in North Carolina. This year, NCABR provided a seven-part *Toxicology Curriculum Webinar Series* for Network undergraduate faculty and a special student-facing program in February looking at *Diversity in Toxicology*. A total of 50 faculty members from 20 states and 10 countries have participated in these NCABR/SOT virtual programs this year.