



Volume 3,
Issue 2

November 2014

*What's going on in
the North Carolina
Academy of Science:*

- Letter from Membership
- Bryden and Yarbrough Call for Proposals
- CASCAS Workshop

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Letter From Membership Committee

Report by: Scott Johnson, Membership Chair Wake Technical Community College

Dear NCAS members,

It has been an exciting year for NCAS. Our annual meeting was held at the Natural Museum of Sciences this past year and I am sure those of you who attended will agree – it was quite a venue to hold our meeting! We are approaching a turning point as an organization, where we are cleaning up our balance sheet, contracting with C-Vent, and have the locations for our next couple of annual meetings already set.



We are also continually looking for ways to strengthen our organization. This is where you come in. Our organization is only as strong as our membership. With a strong and active membership comes greater opportunities for the students and communities we serve. Just think, if every member contacted just one colleague and got them to join NCAS we would have doubled our membership. We could then start with our next plan: to take over the world... okay, so maybe I am getting carried away now, but you get the point.

Please consider reaching out and telling your colleagues about the benefits of NCAS and how affordable our membership dues really are! I know that right now, time is precious, grades are due and the to do list seems endless, but if you would be willing to help out by joining some committees, feel free to contact me (I promise I will not bring up global domination)!

Thank you for being a member of NCAS!

Sincerely,

Scott Johnson
Membership Chair
stjohnson@waketech.edu

Bryden Grant Call for Proposals

Report by: Dr. Lei Zhang and Dr. Mark McCallum

Guidelines for Bryden Grants:

1. One \$1,000 grant is in the NCAS 2014-15 budget for research equipment and/or expenses related to attending scientific conferences. Past recipients are not eligible.
2. Both the applicant and the research advisor must be at a college or university in North Carolina and members of the NCAS in good standing (membership forms may be obtained from the address listed below or at web site <http://www.ncacadsci.org>). Please note that this grant program is funded through dues paid by NCAS members. In order to continue this and other valuable NCAS programs, research advisors are encouraged to request their institutions to contribute through an institutional membership.
3. Applications for the grant must include one copy of the following:
 - NCAS proposal cover sheet form with one page budget summary. Itemize as specifically as possible.
 - Extended abstract of research no longer than 2 pages with three sections.
 - I. Introduction: Background, significance and clear statement of purpose.
 - II. Results: Brief summary of experimental results to date.
 - III. Planned Research: Brief description of work planned over the next year.
4. Send applications electronically to:

Dr. Lei Zhang
Email: zhangl@wssu.edu
Dr. Mark McCallum
Email: mark.mccallum@pfeiffer.edu

Deadline for applications is February 27, 2015.

5. Award will be announced March 28, 2015 at the NCAS annual business meeting (Wake Forest University Biotech Center, Winston Salem, NC).
6. Award recipient is strongly encouraged to present his/her work at the NCAS 2016 annual meeting

Yarbrough Call for Proposals

If you have a student interested in obtaining funding for research, considering applying for the Yarbrough Grant. The applications are due April 15, 2015 and samples of successful applications are on the CASCAS website at <http://www.cancas.org/CASCAS/Yarbrough.html>

CANCAS Fall Research and Career Workshop

Report by: Dr. Michele Malotky, CANCAS Director, Guilford College

The annual CANCAS Career and Research Workshop was held on November 8th, 2014 at Campbell University in Buies Creek NC. Bringing together over 45 students and faculty, the workshop events included concurrent sessions on resumes, interviewing tips, presentation skills, and study abroad opportunities. In the morning a panel comprised of graduate and professional school students provided participants with the opportunity to ask questions related to research experiences, strategies for entrance exam preparation and applying for graduate/professional school. A second panel in the afternoon allowed students to hear from various professionals about career opportunities in science related fields. The meeting culminated with breakout sessions where students gathered in discipline-related groups to share information on current research projects while savoring the sweet, varied flavors of Sunni Skies ice cream! CANCAS officers and the local organizing committee from Campbell would like to extend their thanks to all of the workshop participants and we look forward to seeing everyone at the Annual NCAS meeting in Winston Salem in the spring!

Want to watch a CANCAS student in action?

Nathaniel Akers, CANCAS Ambassador at UNCW will be presenting at the NRC's Daily Planet Theater on his work at Nash Community College on December 6th! For more information, visit: <http://naturalsciences.org/programs-events/science-saturday-what-rock-have-you-been-under>

NCAS Annual Meeting: Call for Judges and Moderators

Report by: Dr. Michele Malotky, CANCAS Director, Guilford College

We are seeking volunteers to serve as judges for research posters and oral presentations that are being considered for Derieux Awards for Research Excellence during the Annual Meeting of the North Carolina Academy of Science. The meeting will be held at the Wake Forest Biotech Place in Winston Salem, NC on March 27th and 28th, 2014. Qualifying undergraduate posters will be presented and judged during the evening session on Friday, March 27th. Oral papers will be presented and judged on the morning of Saturday, March 28th. A grading rubric for the poster and oral papers will be provided to volunteers prior to the meeting. For more information on the Derieux Award please visit the CANCAS website: <http://www.ncacadsci.org/cancas/Derieux.html>.

We are also in need moderators for each of the oral paper sessions on Saturday. Moderators can be either faculty or students. Please contact Michele Malotky (mmalotky@guilford.edu) or Beth Overman (beth_overman@ncsu.edu) if you are willing to serve in either capacity. There will be the opportunity to sign up during the online registration process. Please be sure to include your area of expertise so that we can assign you to an appropriate section.

Thanks to
Campbell
University for
hosting the
CANCAS Research
and Career
Workshop!

Photos from the CASCAS Research and Career Workshop

Photo credits: Morgan Packer, CASCAS Historian, Campbell University



Sustaining Member: Carolina Biological Supply Company
Thank you for your support of NCAS!

If you too would like to be a supporting member of the Academy, you can find out more

Save the Date – NCAS 2015 Annual Meeting

Report by: Dr. Allyn Howlett, Local Arrangements Committee Chair, Wake Forest School of Medicine

The 2015 Annual Meeting of the NCAS will be held March 27-28 in Wake Forest Biotech Place, the first of the newly renovated Reynolds Tobacco Co. factory complex. This complex is now the Wake Forest Innovation Quarter of Winston-Salem, NC, developed by the Wexford Corp, a leader in research park design and development. WF Biotech Place houses Wake Forest University Health Sciences laboratories, but also commercial endeavors and a Conference Center that is ideal for the NCAS meeting. Our theme for the meeting is 'Innovation in Research', highly appropriate for the venue. Special session topics of interest will include workforce development led by the National Center for the Biotechnology Workforce, and academic collaborations supported by the expansion of the Center for Design Innovation. Workshops are designed to demonstrate how academic researchers have commercialized their discoveries or developed their own companies based upon their scholarly activities. There will be opportunities for students who present their work to interact with research post-doctoral fellows at Wake Forest University.

North Carolina Academy of Sciences 2015

Wake Forest Biotech Place

Winston-Salem, NC

March 27-28, 2015



Hosted by
Wake Forest Innovations
Wake Forest
School of Medicine,
Wake Forest University
...Graduate School Arts & Sci
Winston-Salem State Univ
Salem College
Forsyth Technical
Community College

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The Office of Postdoctoral Affairs

Job Openings in the Scientific Community

For more information on how to apply, go to <http://www.ncacadsci.org/NCAS/jobOpportunities.html>

1. Assistant Cooperative Extension Specialist in Water Resources and Climate Change Adaptation, University of California at Berkeley

The Department of Environmental Science, Policy, and Management at the University of California, Berkeley seeks an Assistant Cooperative Extension Specialist (Fiscal Year) in Water Resources and Climate Change Adaptation. The expected start date is July 1, 2015.

The initial review date is December 12, 2014. Please direct questions to espm_recruit@berkeley.edu.

2. Ecology/Environmental Science Faculty Position, Shaw University, Raleigh NC

We are recruiting for a full time faculty position to teach Ecology/Environmental Science beginning January 1, 2015.

For more information, contact Paulette R Dillard, PhD, Acting Chair/Assistant Professor of Biology, Department of Natural Sciences and Mathematics, at pdillard@shawu.edu.

3. Faculty Positions at Harbin Institute of Technology, Shenzhen, China: Info Session at Duke on Nov 28

Founded in 1920, the Harbin Institute of Technology (HIT) has remained on the top 10 list of the Best Universities in China, and is the leading engineering school in China. The newly established Harbin Institute of Technology in Shenzhen, China (HITSZ, <http://www.hitsz.edu.cn/en/>), seeks applicants for faculty positions. Positions are available for both Chinese and non-Chinese applicants.

For more information: <http://www.hitsz.edu.cn/en/jobs/>.

HITSZ is visiting Duke for a recruitment talk/seminar on Fri Nov 28 from 6-8 pm. The location is Jones Building, room 143.

For more information on the info session, email Junyi (Joyce) Zhang, Chair of International Affairs for the Duke Chinese Students and Scholar Association, at junyi.zhang@dm.duke.edu. For more information on faculty positions at Harbin Institute of Technology, email hr@hitsz.edu.cn.

4. Lead Science Writer, NIH/NIMH (Long-Term Contract), Kelly Government Solutions, Rockville MD

Kelly Government Solutions is a strategic supplier and business partner to the federal government and its key suppliers. We are currently seeking a Lead Science Writer with a neuroscience background to work with the National Institutes of Health in Rockville, MD.

5. Microbiologist, AgBiome, RTP NC

We are looking for exceptional scientists to join the microbiology team at AgBiome, an agricultural biotechnology startup located in RTP NC.

6. Preceptor, Interdisciplinary Science Learning Laboratories Program, University of Delaware

The Interdisciplinary Science Learning Laboratories program (ISLL) at University of Delaware has an employment opportunity for a Preceptor, a young professional whose understanding and knowledge of the scientific process, as a result of training in one of the natural science disciplines (biology, chemistry, physics), is enhanced with a passion for science education. The candidate will implement educational programs to engage students in active learning techniques across interdisci-

Job Openings in the Scientific Community

For more information on how to apply, go to <http://www.ncacadsci.org/NCAS/jobOpportunities.html>

plinary courses in biology, chemistry, engineering, mathematics, and physics.

For more information and to apply: <http://tinyurl.com/oz3a5r3>

7. Research Investigator - Immunology or Virology, Sanofi, Cambridge MA

Sanofi, an integrated global healthcare leader, discovers, develops and distributes therapeutic solutions focused on patients' needs. Sanofi has core strengths in the field of healthcare with seven growth platforms: diabetes solutions, human vaccines, innovative drugs, consumer healthcare, emerging markets, animal health and the new Genzyme.

8. Research Project Manager, University of Pennsylvania

The Computational Memory Lab at the University of Pennsylvania is hiring a project manager for the RAM (Restoring Active Memory) program.

9. Research Scientist I - Oncology/Inflammation Biology, Gilead Sciences, Branford CT

We are seeking a Research Scientist to investigate drug targets which interfere with key cellular signaling pathways in cancer.

10. Science Development Director-Southeast, Metabolon, RTP NC

Metabolon is seeking a Sales Science Development Director to be an integral member of our sales team.

11. Science/Medical Writer, Technical Resources International, Washington DC

For more than three decades, TRI has provided high quality services to clinical trial sponsors in the public and private sector.

12. Scientist I/II - Cancer Immunology, MedImmune, Gaithersburg MD

MedImmune has an opening for a Scientist I/II, Cancer Immunologist within the Vaccines Platform Group (VPG) in Gaithersburg, MD.

13. Senior Scientist - Inhalation, Catalent Pharma Solutions, Morrisville NC

Catalent Pharma Solutions is the leading global provider of advanced delivery technologies and development solutions for drugs, biologics and consumer health products.

14. Senior Scientist, Leidos Biomedical Research, Frederick MD

Leidos Biomedical Research, Inc., a wholly owned subsidiary of Leidos, operates the Frederick National Laboratory for Cancer Research, sponsored by the National Cancer Institute.

15. Staff Scientist - Cell Biology, Thermo Fisher Scientific, Eugene OR

16. Tenure Track Faculty Positions - Biological Sciences Education, University of New Hampshire

The University of New Hampshire seeks outstanding applicants for two new tenure-track Assistant Professor positions in the area of biological sciences education.



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ncacadsci@email.meredith.edu

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get the latest updates and
information on what’s happening at
your North Carolina Academy of
Science!



Check us out on the web!
<http://www.ncacadsci.org/home.html>

The **objective** of the North Carolina Academy of Science is to *encourage the advancement of science within the state of North Carolina by promotion of scientific research and by the fostering of education in the sciences*". The North Carolina Academy of Science meets these objectives by...

- Publishing a peer reviewed scholarly journal, the *Journal of the North Carolina Academy of Science*.
- Fostering and encouraging student involvement in the sciences through support of the Collegiate (CANCAS) and Student Academies (NCSAS).
- Promoting interactions among scientists and students throughout North Carolina.
- Providing a forum for exchange of ideas for solving issues important to North Carolina.

The Academy members include individuals from academia, industry, government, and all others who support the objectives and goals of the Academy.

North Carolina Academy of Science

Our Mission

The North Carolina Academy of Science promotes public appreciation of science, science education, scientific research and a meaningful role for science in public policy.

Our Goals:

Promote public appreciation of science

- Partnership with Science Centers
- Public Lecture Series
- Newsletter

Promote science education

- NCAS Webpage
- Academic Lecture Series
- NCAS Publications: Journal, Educational Publications
- Student Academy - Middle & High School

Promote scientific research

- Yarbrough and Bryden Research Grants
- CANCAS Undergraduate Research Workshop
- Presentation Opportunities at Annual Meetings

- Journal of the North Carolina Academy of Science

Promote science in public policy

- Symposia
- News Releases
- Position Statements
- Interactions with Public Officials

