

Alabama Section of the ACS Fall 2016 Newsletter

[HTTP://ALABAMA.SITES.ACS.ORG/](http://alabama.sites.acs.org/)

IN THIS ISSUE:



Samford STEM Scholars

A new NSF funded program at Samford designed to help transfer

students complete their STEM degrees. See more on p. 3

REU application season is upon us.

A picture review of the 2015/2016 academic year! Pp. 6

AACS funded student travel to SERMACS 2016

Let's congratulate those who were awarded travel funds to present their work at SERMACS 2016 in Columbia, SC. page 2.

SERMACS 2016
Catalyzing Chemical Changes



Seminar Series

See who is talking this fall at various institutions on. Page 4

BRACE YOURSELVES



SERMACS IS COMING

***SERMACS is coming to
Birmingham in 2021
hosted by the Alabama
and Auburn sections of
the ACS! Want to help?
Email (see p.2)
khayden@bsc.edu***

Have something to say? Have an announcement? Let us know!

Contributions to the winter issue are due by 1/05.

Events calendar

Keep up with all the events going on within the ACS. Page #4



Update from AACS President

It has been a busy fall term for our AACS President, read more about the past events we have hosted on p. 5



Water, water.. nowhere

At the moment, all of central Alabama is in a stage 4 drought. Learn tips and strategies that you can employ at home to help conserve water, and help decrease the water bill. Page 5

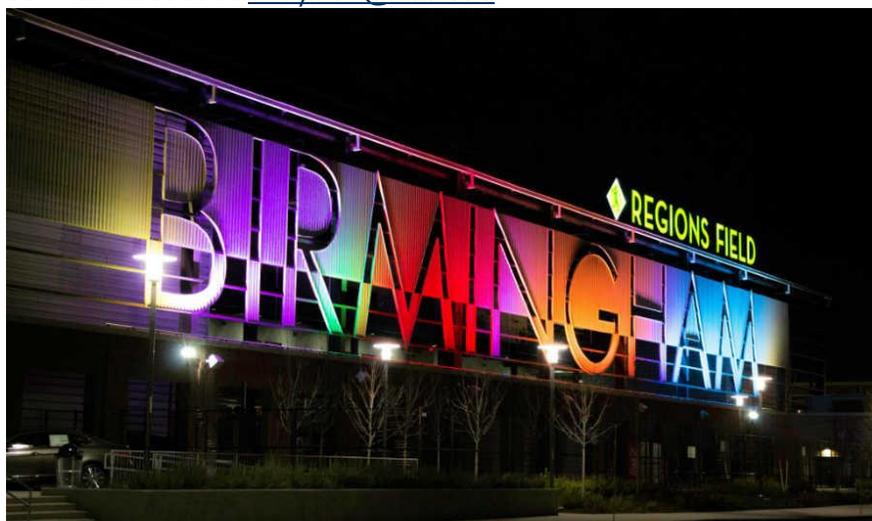
Job Postings

See page 6. Looking to fill a chemistry related position that you want to post? Submit to khayden@bsc.edu.

SERMACS is coming to Birmingham, Al

by Kate Hayden, ACS Secretary

In the fall of 2021, the Alabama and Auburn local sections will be hosting SERMACS in the Uptown district of Birmingham, Al. The last time Birmingham hosted this meeting was in 1994 and we are excited that this will be a very successful meeting and an opportunity to reintroduce the southeast to the rapidly growing city of Birmingham. Would you like to help? Want to organize a symposium? Want to be a sponsor? Contact us at khayden@bsc.edu.



Travel grants awarded to students for SERMACS

by Kate Hayden, ACS Secretary

Congratulations to the following undergraduate students who received travel grants from the Alabama section of the ACS to present their research at SERMACS in Columbia, SC. Great job!!

Ellen Berry (Samford)
 Majd Habash (BSC)
 Jacob Martin (BSC)
 Marilyn Dunbar (BSC)
 John Guyton (BSC)
 Alexandra Andreen (UA)
 Jarrett Mason (BSC)
 Samantha Dyroff (UA)
 Katie Russell (BSC)
 Sarah Puckett (UA)
 Thomas Rae (Samford)



Evolution of Energy: Humans to Hybrids



SERMACS 2017 Nov. 7-11 | Charlotte NC

Samford STEM Scholars

by. Tamika Braxton, Administrative Coordinator, STEM and REU Grant Programs Department of Biological and Environmental Sciences



Samford University has a five-year National Science Foundation (NSF) grant of \$620,520 to help academically talented and financially-at-risk transfer students from community colleges complete Samford degrees in the fields of biology, environmental science, chemistry and biochemistry.

Selection is made on the basis of academic achievement, unmet financial need and potential for success in science, technology, engineering and mathematics (STEM) careers. “One of our goals is to expand the groups who see Samford University and STEM careers as accessible, including minority students, first generation college students, military veterans, and a broad range of underrepresented individuals,” said program Director Betsy Dobbins, Professor, Department of Biological and Environmental Sciences.

The STEM Scholars are housed in the Howard College of Arts and Sciences, which is the historic heart and academic core of Samford University. Samford ranks third in the South in undergraduate teaching, and strongly emphasizes undergraduate research, mentoring and professional preparation.

In addition to a robust support network including preparation seminars, academic and vocational guidance and peer mentors, the STEM Scholars have financial support for tuition and fees. Samford matches NSF contributions and contributes to any further unmet needs based on academic qualifications.

Current Samford STEM Scholars include transfer students from Beville State, Jefferson state, Lawson State, Snead State and Wallace State Community Colleges.

For program information or to schedule a presentation or a visit, please contact Tamika Braxton, Administrative Coordinator, STEM and REU Grant Programs, at (205) 726-2303 or tbraxton@samford.edu. You can reach the Program Director, Dr. Betsy Dobbins, at egdobbin@samford.edu.



UPCOMING EVENTS:

DATE	EVENT
April 2-6, 2017	253rd ACS National Meeting & Exposition in San Francisco, CA.
August 20-24, 2017	254th ACS National Meeting & Exposition in Washington, DC.
Nov. 7-11, 2017	SERMACS in Charlotte, NC

Fall Seminar Series:

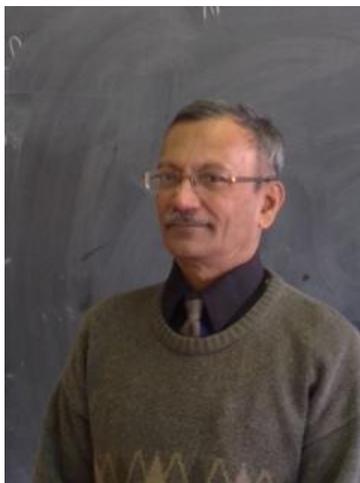
UAB	BSC	UA
<u>Tuesdays and Thursdays at 11am in Chemistry 101</u>	<u>Tuesdays at 11:00AM in Norton Theater</u>	<u>Tuesdays and Thursdays at 12:45pm in Shelby Hall 1093</u>
<p>9/22 – Timothy Brewster, PhD, Department of Chemistry, The University of Memphis, Tennessee</p> <p>9/29 – Dianqing Sun, PhD, Dept of Pharma Sci, The Daniel K. Inouye College of Pharmacy University of Hawai'i at Hilo, HI</p> <p>11/1 – Outstanding Women in Science seminar - Dr. Ahna Skop, PhD, D.Sc, Department of Genetics & Life Sciences Communication, University of Wisconsin-Madison</p> <p>11/8 – Danielle Pretorius, chemistry graduate student, Literature Seminar</p> <p>11/14 – Outstanding Women in Science seminar - Tracey L. Johnson, PhD, Howard Hughes Medical Institute</p> <p>11/17 – Robert Powers, PhD, Department of Chemistry, University of Nebraska Lincoln</p> <p>12/1 – Tandem talk presented by Drs. Nichole Powell and Brenda Harmon, Emory University</p>	<p>9/13 – Dr. Scott Dorman, Professor of Chemistry at BSC on <i>recent archaeology of ancient Maya sites in Central America</i>.</p> <p>10/04 – Dr. Pam Hanson, Associate Prof of Biology at BSC on <i>Liberal Arts at the Crossroads: Science for Policy and Policy for Science</i></p>	<p>9/8 - Prof. Daniel J Goebbert from the University of Alabama</p> <p>9/16 - Prof. Marco Bonizzoni from the University of Alabama</p> <p>9/22 - Prof. Shanlin Pan from the University of Alabama</p> <p>9/29 - Amy McKenna from the University of Alabama, PhD candidate</p> <p>10/6 - Prof. Andrew Murkin from the University of Buffalo</p> <p>3/24 - Prof. Christian Goldsmith from Auburn University</p>



Not a member of the ACS? Inquire about membership today by emailing khayden@bsc.edu

Updates from our AACS President, Dr. Sam

By Sam Subramaniam, AACS President



It was so nice to have you all for the Consortium on "Alabama Water.....", past Tuesday, Oct. 18 and I am sure that the ABC news will telecast a segment of our consortium. It was educational all through and it made us think about the havoc caused by developments along the Cahaba River. Dr. Haddock's observation about the water quality and the water level in the Cahaba River' disrupting the freshwater clam's habitat, in the past years is appalling! Expansion of the bridge along the HWY 280 corridor is going to impact the docking area for canoeing in the Cahaba. Our students take field trips to study the Flora and Fauna along this fragile aquatic environment, every year. We will do whatever we can to stop this expansion with the Shelby Municipality, when you submit the impact study. The measures taken by the panel members, using their expertise to keep our water ways clean will go a long way. Whether educating the students and citizens (Ms. Smith) or making technology work towards keeping the water clean (Dr. Cunningham), or taking

measures to recycle water or use permeable concrete (Dr. Peters), or keeping vigil on the polluters (Mr. Brooke) or adopting streams like Village Creek (Mr. Yohance), are all worthy efforts to keep our river water clean and plentiful. Overall, the program was very informative when you shared your views and now we are aware of the threats for our rivers in our backyard: Cahaba and Black Warrior River. We are looking forward to many more meaningful discussions of this nature in the near future.



Currently, the much of our state is under a stage 4 Extreme Drought Water Emergency. Here are some tips from [Birmingham Water Works](#) so we can all do our part to conserve:

- Check faucets and pipes for leaks
- Check your toilets for leaks
- Install water saving shower heads and low-flow faucet aerators
- Keep an eye on your water meter to check for hidden leaks
- Take shorter showers
- Don't leave your water running while washing dishes or brushing your teeth
- Only use your dishwasher or clothes washer for full loads

It's time to apply for those REU's

By Kate Hayden, AACS Secretary. Adapted from www.nsf.gov website

NSF funds a large number of research opportunities for undergraduate students through its REU Sites program. An REU Site consists of a group of ten or so undergraduates who work in the research programs of the host institution. Each student is associated with a specific research project, where he/she works closely with the faculty and other researchers. Students are granted stipends and, in many cases, assistance with housing and travel. Undergraduate students supported with NSF funds must be citizens or permanent residents of the United States or its possessions. An REU Site may be at either a US or foreign location.

By using the web page, [Search for an REU Site](#), you may examine opportunities in the subject areas supported by various NSF units. Also, you may search by keywords to identify sites in particular research areas or with certain features, such as a particular location.

Students must contact the individual sites for information and application materials. NSF does not have application materials and does not select student participants. A contact person and contact information is listed for each site.



Research Experiences
For Undergraduates

Job Opportunities:

Organic Instructor: Birmingham-Southern College is currently seeking a 6-month contract instructor to teach Organic II Lecture and 2 Laboratories. Candidate must have a PhD or masters in Chemistry, teaching experience is a plus. Interested individuals should send their CV to Kate Hayden at khayden@bsc.edu.

Have a chemistry related position to fill, send your ad to khayden@bsc.edu