Upcoming Events

February

11
Spring Retreat

March

4
Annual Bowling Tournament at Colonial Lanes, 1-3 p.m.

April

TBD
IBA Capstone Seminar

May

4
IBA/LSAMP Graduation Celebration

In this issue...

Kickoff
Back in September, students in IBA and LSAMP played games and learned more about one another.

Early Thanksgiving
Dr. Vincent Rodgers held an early Thanksgiving party for students at his home on November 5th.

Fall Undergraduate Research Festival
At FURF, IBA/LSAMP students presented posters regarding the research they conducted throughout the summer.

Taste of IBA/LSAMP
IBA and LSAMP students came together to explore the unique cultures in the programs.

IBA/LSAMP Scholar Symposium
Students in both programs gave five- to seven-minute presentations on their research akin to those heard at conferences.

Travel
Elissa Monteiro received and award at SACNAS; Anamar Blanes went to the American Chemical Society’s Midwest Regional Meeting, held in Lawrence, Kansas.
Kickoff

Kickoff was the first official event of the 2017-2018 school year! LSAMP and IBA students met in the Old Capital Mall and played a charades-type game. When students entered, they were to put one-word descriptions of themselves in a box; later, students picked words out of said box and drew or acted them out until everybody else could guess what the word was.

Dog Lover
“I just like fat dogs. The fatter the better.”
-Camille

Chicken Nugget
“I just really like chicken nuggets. No one else is a chicken nugget.”
-Zoe

Homo Sapien
“I do well under pressure.”
-Jorge

Bilingual
“I speak Arabic and English.”
-Asma

Laughing
“I don’t know. I think ‘laughing’ is a great word.”
-Glorie
Social Events

The Taste of IBA/LSAMP brings together the two programs in a celebration of diversity. Students shared traditional food from their families, played games to learn about what languages each student knew, and created colored maps of where each were from.
EARLY THANKSGIVING

IBA Co-Director Vincent Rodgers hosted this year’s early Thanksgiving party for the IBA/LSAMP students. As always, it was filled with delicious food and bonding within and between the cohorts.

Seminar links
- Biology: https://biology.uiowa.edu/about/seminars
- Biochemistry: https://medicine.uiowa.edu/biochemistry/news-events/seminars
- Chemistry: https://chem.uiowa.edu/news/colloquium-seminar-schedule
- Computer Science: https://cs.uiowa.edu/resources/events
- Immunology: https://medicine.uiowa.edu/immuno/news-events/seminars
- Microbiology: https://medicine.uiowa.edu/microbiology/events
- Physics: https://physics.uiowa.edu/resources/events/calendar
- Psychology: https://psychology.uiowa.edu/
The Fall Undergraduate Research Festival (FURF) is an annual event organized by the Iowa Center for Research by Undergraduates, where students present their research through poster presentations. This year, nine IBA/LSAMP students participated in the festival!

- **Exploring Actinide Chemistry in Environmentally Relevant Systems**: Th(IV), U(VI), & Np(IV, V, VI) Bound by Macrocyclic Ligands
- **Filling in the Gaps**: Getting More from Incomplete Data
- **Does Executive Functioning Mediate Links Between Childhood Attention-Deficit Hyperactivity Disorder Symptoms and Substance Use and Related Problems in Adulthood?**
- **Identifying the role of ANGPTL8 in regulating endothelial lipase and HDL levels**
- **Evaluating the Effects of a Patient-derived MAFB Mutation on Murine Craniofacial Development**
- **Deletion of OPA-1 alters calcium homeostasis and leads to an increase in MCU protein levels**
- **The role of importin 9 and exportin 6 on position effect variegation**
- **Deficits in REM sleep twitching indicate developmental delay in a mouse model of autism**
- **Investigating the Time Course of Fear Generalization**
The annual IBA/LSAMP Scholar Symposium gives students an opportunity to give a five-to-seven minute talk accompanied by a Power Point presentation, much like what many graduate or post doctoral students do at conferences. Presenting in Kollros is a lovely training exercise that helps students get comfortable talking about research in a larger, more individual-centered atmosphere than poster presentations.
Anamar Blanes, to ACS Regional Meeting

IBA Sophomore Anamar Blanes went to the American Chemical Society’s Midwest Regional Meeting in Lawrence, Kansas, where she presented her poster on differences in reactivity between radioactive metals Thorium (IV), Uranium (VI), and Neptunium (IV, V, VI).

How did you feel regarding the presentation?
“I was very excited and nervous. I love giving presentations, and I had given this presentation before, but this meeting was filled with chemists from all over the Midwest, so this made me very nervous.”

What were you looking forward to most? How was the experience?
“The thing I was looking forward to the most, apart from presenting, was seeing all the other presenters and learning about what other research is being done in the field of chemistry. This experience was incredible because I got a chance to see professionals in the field explaining what they do, which helped me learn a lot about chemistry. I would encourage people to present at meetings and conferences if they have the opportunity because it helps you grow as a researcher.”

Elissa Monteiro, to SACNAS Conference

IBA Junior Elissa Monteiro on her return and award from the SACNAS Conference mentioned in the last issue:

How was the conference?
“SACNAS is unique in that a big part of the conference is to promote enriched cultural experiences and cultural diversity in the biosciences. Some of my favorite experiences from the conference were the daily lunches where we got together for ethnically diverse foods, we met people (students, faculty, recruiters) from all around the nation (I sat with people from Puerto Rico!). I was also able to sit in on a traditional American Indian pow-wow.

What award did you receive?
“Essentially, I was awarded as one of the best undergraduate poster presenters at the conference. There were over 1,000 undergrads who presented posters and, honestly, I was overwhelmingly surprised when they called my name to the stage. My roommate had previously told me these presentation awards existed, but I had not considered myself as a candidate, especially because a lot of the undergrads I had met were returning SACNAS members and this was my first time at the conference. I feel proud to have represented The University of Iowa, IBA, the ADHD and Development lab, and my PI Molly Nikolas. After the conference both my mentor and I received really lovely emails in conjunction with my award and I received a gift card in the mail as well (nice bonus!).”

Anything you would like to add?
“A lot of the older cohorts in IBA have attended SACNAS before. I would just like to encourage the younger cohorts to take a chance and apply to SACNAS, apply to the travel scholarship and see what happens! Many honors, opportunities, and friends came out of my experience at SACNAS, and from what I understand that is most everyone’s experience with SACNAS. And if you do apply, best of luck to you! I’d be happy to answer any questions you have (as Jorge Moreno did for me before I left).”
Nebraska Summer Research Program
The Nebraska Summer Research Program encouraged underrepresented students to apply! There, students will participate in social activities and professional development workshops and work closely with faculty in various research projects.
Benefits: https://www.unl.edu/summerprogram/benefits
Research projects: https://www.unl.edu/summerprogram/research
Apply by: March 1

Linking Applied Knowledge in Environmental Sustainability REU
The LAKES (Linking Applied Knowledge in Environmental Sustainability) REU focuses on water quality and phosphorus mitigation in an interdisciplinary manner over an 8 week program, with projects this year in human geography, economics, biology, and geology. Students will be provided with room and board and a generous stipend during their participation in the LAKES program.
Apply by: February 11

Collaborative Learning and Integrated Mentoring in the Biosciences Undergraduate Program
In the Collaborative Learning and Integrated Mentoring in the Biosciences Undergraduate Program (CLIMB UP), students are paired with faculty based on their interests in the following three categories: ASPET-SURF (pharmacology), CLIMB PRO (MDs working in clinical settings), or iSEED (seven schools, including Engineering, Arts and Sciences, Public Health, Dentistry, and Nursing).
More information: http://www.buffalo.edu/climb/climb-up.html

Combined Summer Undergraduate Research Opportunity
The University of Massachusetts Medical School (UMMS) Combined Summer Undergraduate Research Opportunity is a non-credit, ten-week, structured research experience. The program consists of “hands-on” laboratory research with an investigator serving as a mentor, role model and advisor. The program is designed to provide participants in-depth exposure to actual biomedical research. Participants will develop career-building connections with faculty, postdocs, graduate students, and peers. The program encourages participants to consider biomedical research as a viable career choice.
More information: https://www.umassmed.edu/gsbs/outreach-programs/summer-undergraduate-research-program/

University of Wisconsin Biostatistics REUs
UW Biostatistics Summer Institutes are now accepting applicants for its Statistical Genetics and Statistics and Modeling in Infectious Diseases programs!
More information: https://www.biostat.washington.edu/suminst

Carolina Summer Fellowship Program
We are excited to let you know that the application process for our 33rd year of the Carolina Summer Fellowship Program (CSFP) is now open! Those selected to the (CSFP) will participate in 10 weeks of hands on research while learning professional, social and networking skills. A stipend, on-campus housing and a food allowance are offered to each student selected for the program.
More information: https://www.med.unc.edu/pharm/summer-undergraduate-research