

February 2020



SMS Connects

SMS Community Newsletter

**See you this Saturday, Feb. 22, 2020 1-5 p.m.
Tempe Campus**

Please join us on Feb. 22 from 1 –5 p.m. for an exciting behind-the-scenes look at the most innovative university in the nation. This will be an opportunity for kids of all ages to participate in hands-on chemistry activities at the SMS stations in the Natural Science Zone. For more information, please visit <https://opendoor.asu.edu/>. Our activities are listed under Natural Sciences, Tempe campus!



Support our Students on Sun Devil Giving Day - March 19, 2020



**Sun Devil
GIVING DAY**

Sun Devil Giving Day 2020 is just around the corner. Sun Devil Giving Day is the one day where the ASU community comes together to celebrate and support our students.

We look forward to your participation on March 19, 2020! Any gift you make goes directly to our own SMS students. Your support will make a huge difference in the life of one of our most deserving students.

We will send detailed information in our next newsletter!

Meet our Amazing Students

Many of our chemistry and biochemistry students are minoring or double majoring in subjects such as global health, math, languages, civics, to name a few. Many also find time to study abroad in their summers as well as conduct research in government labs and prestigious universities across the country.

Julia Jackman

Changing the world one trip at a time

Julia is a talented junior pursuing a concurrent bachelor's degree in biochemistry and global health, in addition to a minor in civic and economic thought and leadership. After her freshman year Julia took advantage of ASU's study abroad program to spend time in Peru. She was recently awarded a Barrett Global Explorers Grant and plans to research the barriers to refugee participation in higher education as part of ASU's Education for Humanity program.



Oscar Ramos

On path to becoming a physician

After transferring from the University of Arizona, first-generation student Oscar found his path to success as a biochemistry major in the School of Molecular Sciences. Oscar is involved in the Latinos in Science and Engineering organization on campus and also conducted summer research at the University of Michigan Medical School in 2018 and also the National Institutes of Health in 2019.



Chloe Larson

Passion for chemistry and cosmetics

Chloe Larson's interest in the sciences is quite different from many other students. Her end goal is to combine her passion for cosmetics and science to work in a career in cosmetic chemistry in Italy. To that end, the student in the School of Molecular Sciences at Arizona State University is pursuing her bachelor's degree in chemistry with a minor in Italian. Larson is also a part of Barrett, The Honors College.



SMS Alumni Highlight

Sarah Staton: PhD in Chemistry

Senior Coordinator of the Global Innovation through Science and Technology (GIST) initiative and Partnerships in the U.S. Department of State

In her latest SMS Podcast, Dr. Ara Austin interviews Sarah Staton, a scientist who has been working at the U.S. Department of State in Washington D.C. since 2014. In her position, Dr. Staton uses scientific expertise to guide policymaking and governmental affairs. She currently works as the Senior Coordinator for the Global Innovation through Science and Technology (GIST) program.



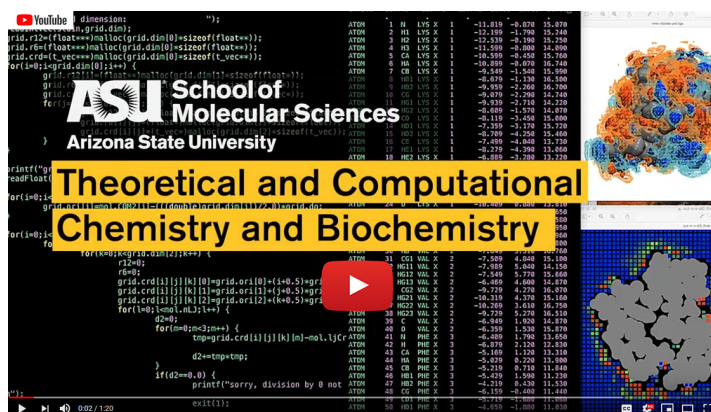
Dr. Staton was a Fulbright Scholar in 2009 and earned her PhD in chemistry from SMS. She surprised many of her colleagues and mentors when she decided to pursue a career outside of academia and industry. She shares her reasoning for her choice, and what excites her about working in government as a scientist.

[click here to listen: Science Policy & Government](#)

New on the SMS YouTube Channel



[Birkel lab reviews non-conventional synthesis methods](#)



[Theoretical and Computational Chemistry and Biochemistry](#)

News and Research Highlights

Neal Woodbury elected senior member of the National Academy of Inventors



Congratulations to professor Neal Woodbury, former SMS director and ASU's Chief Science and Technology Officer - The National Academy of Inventors (NAI) has named him a senior member for fostering a spirit of innovation at Arizona State University while educating and mentoring the next generation of inventors.

[read more...](#)

[Hierarchical Assembly of Nucleic Acid/Coiled-Coil Peptide Nanostructures](#)

In a recent JACS paper, Nicholas Stephanopoulos reports a unique nanostructure that links DNA origami using coiled peptides in micrometer-long one-dimensional arrays.

[A new way to separate proteins?](#)

In an article recently published in Biomicrofluidics, Dmitry Matyushov suggests that the mobility of proteins in the field gradient is 10,000 times greater than previously thought.

[Collecting light: ASU researchers publish faster methods for observing molecular behavior.](#)

In a paper published in Physical Review X, Steve Pressé draws on mathematical methods not typically used in natural science to design modeling systems to learn about the motion of molecules.

[Science at the interface: Bioinspired materials reveal useful properties](#)

New research by Brian Wadsworth, Gary Moore and their colleagues adorns the cover of the journal ACS Materials & Interfaces.

[read more SMS News and Research](#)

Employment Opportunities

- [Research Fellow - Molecular Biology & Biochemistry](#) - Mayo Clinic, Scottsdale, AZ
- [Microbiologist, ZP-0403-III \(equivalent GS-11/12\)](#)- Department of Commerce National Institute of Standards and Technology, Gaithersburg, MD
- [Forensic Scientist I](#) - Massachusetts Department of Public Health

Please follow us on the [SMS LinkedIn](#) page for more job opportunities. Please also check [Chemistry Job Resource: Chemjobber](#) for more chemistry jobs.

Please feel free to send email to ASUSMS@asu.edu at any time with questions, concerns, or suggestions. You can visit our website at sms.asu.edu or connect with us by liking our [Facebook](#) page!

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Molecular Sciences
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