

SMS Connects - November 2022



Congratulations to Alex Navrotsky who has just been named ASU Regents Professor. Regents Professor is the most prestigious faculty award at ASU.

Research.com has recently published a ranking of the top 1,000 female scientists in the world and unsurprisingly [Alex is one of them](#).

It was also just announced that [Alex has been funded for technology to grow the domestic critical minerals supply chain](#). The funding is part of an Advanced Research Projects Agency-Energy (ARPA-E) program seeking to develop sustainable supply of minerals.

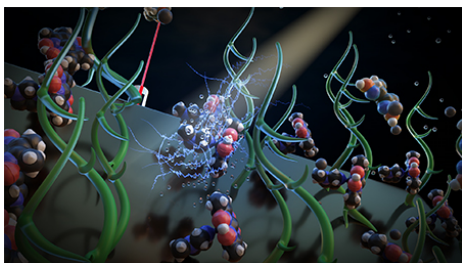
Alex's career has been remarkable, not only for its impact on the Earth sciences but in the cross-disciplinary efforts she has made to bring together the approaches, tools and philosophy of research in chemistry, mineralogy, materials science and geochemistry. She is well known for nurturing a positive research environment, for being devoted to her students and coworkers, and for her generous spirit.

read more: [ASU names Regents Professors for 2023](#)

Research Highlights

[Advancing solar-to-fuel technology](#)

Gary Moore and his group have described technology to convert radiant energy from the sun into solar fuels,



which can be stored or used as carbon-neutral or carbon-free sources of energy.



New Federal funding.

Alex Navrotsky has been funded for technology to grow the domestic critical minerals supply chain as part of an Advanced Research Projects Agency-Energy (ARPA-E) program.



The edge of habitability

SMS graduate student Donald Glaser's is investigating the habitability of extreme environments to better understand the life on Earth and Mars.

The College Student Leaders 2022

The College Student Leaders 2022	School of Molecular Sciences			
	Shundene Key John Vant Bethany Kopalba Kartchner	Jordyn Robare Meghana Murthy Daiki Nishiori	Alexandria Layton Lauren Harstad Lourdes Loera Riley Seminara	

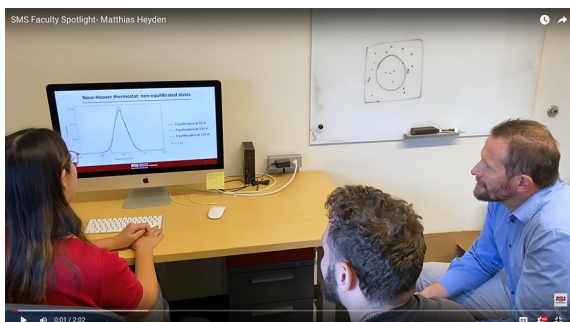
Ten outstanding students from the School of Molecular Sciences have been recognized for their leadership and accomplishments at the annual ceremony College Leaders ceremony for 2022. The SMS students recognized are Lauren Harstad, Shundene Key, Bethany Kopalba Kartchner, Alexandria Layton, Lourdes Loera, Meghana Murthy, Daiki Nishiori, Jordyn Robare, Riley Seminara, and John Vant. It is our hope that these students, and others, will continue to be celebrated for their contributions to society, whether in research, business, or community service, throughout their careers.

Homecoming 2022



The ASU Homecoming Block Party was held on the morning of November 19. Visitors were entertained with chemistry demos from “Science is Fun” course students as well as the Student Affiliates of the American Chemical Society (SAACS). Visit our [Instagram page](#) and [YouTube channel](#) for more photos and videos.

Faculty spotlight on our YouTube Channel



[Matthias Heyden](#)

Check out the latest episode of the SMS Junior Faculty Spotlight series featuring Matthias Heyden. In this video, he describes some recent work from his group simulations of the protein structures in an entire cell.

Celebrate the graduation of the class of 2022!



Please join us to celebrate the graduation of the class of 2022! SMS will host an informal "Open House" on December 14, 11:00 am-1:00 pm at the outdoor classroom, outside the Physical Sciences Building by Palm Walk. Graduating students, please bring your friends and family to meet and chat with SMS faculty, staff and other graduates. Each graduate attendee will receive an official "I am a Molecular Scientist" graduation T-shirt! The pictures above are from the SMS 2021 graduation celebration. If you are an online student or will be out of town, please send us your graduation themed photo and your address. We will mail you a T-shirt!

We are excited to celebrate the accomplishments for our graduating students, we look forward to seeing as many of you as possible at the reception.

SMS is Hiring!

- Full-time faculty positions:
 - Experimental High-Pressure Chemistry
 - Materials Chemistry
 - Polymer Chemistry
 - Biomolecular Design, Programming & Engineering
 - Quantum Molecular Science
- Postdoctoral positions
 - Structural Biology
 - MoTU
 - Coral Biochemistry
 - Material Chemistry
 - Geomicrobiology
 - Molten Salt Thermodynamics
- Instructor - General Chemistry.

Happy Thanksgiving to All!

Please feel free to send email to ASUSMS@asu.edu at any time with questions, concerns, or suggestions. Please visit our website at sms.asu.edu to learn more about our school.

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ASU School of Molecular Sciences

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