

# SEAC *communications*

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Available online at <https://seac.online/seacommunications/>

## PRESIDENT'S MESSAGE

Dear SEAC Members,

This is truly an exciting time for our organization as it advances on several fronts. To begin, I would like to extend sincere thanks to Bo Zhang for his enthusiastic leadership as SEAC has grown in new directions during the past two years. It is a tremendous honor for me to assume responsibility from him in guiding SEAC on a path forward. As many are aware, one project just coming to fruition is the new SEAC website (<https://seac.online>). Special thanks to Tim Paschkewitz and Sam Kounaves for their tireless efforts to design and launch the site. Please visit, update your member profile and VOTE your preference for the format of future SEAC newsletters. Set a bookmark and visit often to stay connected with colleagues.

Also making great strides are the student members of SEAC. They have arranged a monthly 'students-only' meeting held via video conference and focused on sharing scientific ideas. Interest has been growing following their first activity in June. See details in the full article below by Junaid Ahmed and Milo Suvira. The monthly student meeting was inspired by the SEAC Student Group Meeting (SEAC-SGM) first held at Pittcon in 2020. Many thanks to Lane Baker for shepherding the effort and to Lane and Ashley Ross for arranging the second annual SEAC-SGM in conjunction with Pittcon 2022.

Following up on recommendations from its annual meeting in March, the SEAC Board of Directors held its first mid-year meeting in August via Zoom. Suggested updates to award committee processes were discussed and approved. The possibility of holding a regular mid-year board meeting will be considered at the annual meeting in 2022.

In closing, I would like to acknowledge Maryanne Collinson (secretary), David Cliffler (treasurer) and Takashi Ito (newsletter editor) for their dedicated service to SEAC and constant attention to detail in managing day-to-day issues. We owe them much gratitude for their efforts to ensure SEAC stays strong and vibrant.

Finally, on a sad note, in recent weeks our community lost a pioneer and role model, Janet (Osteryoung) Jones. Janet was a founding member of SEAC. She served as the first secretary and soon after as president. The SEAC Charles N. Reilly Award in Electroanalytical Chemistry is among her many outstanding professional recognitions. The positive impacts of her creative scientific work and administrative achievements will be felt by generations to come and SEAC will continue to prosper from the indelible marks that she has left.

Sincerely,

Carol Korzeniewski  
President, 2021-2023

### In this issue--

**President's Message**

**New SEAC Website**

**Digital SEAC Communications**

**Monthly SEAC Student Meeting**

**Pittcon 2022 – March 5 ~ 9, 2022**

- Second Annual SEAC Student Group Meeting

**Travel Awards Sponsored by ACS-DAC.**

**Focus Issue on Women in Electrochemistry**

**In Memoriam and Remembrances – Janet (Osteryoung) Jones**

**Future Electrochemists**

**Member News**

Allen Bard, Lane Baker, Joseph Wang, Shelley Minter, Peter Kissinger, Long Luo

**Meetings to Come**

**Job Opening**

- Electrochemistry product manager at BASi
- Tenure-track position at Univ. Cincinnati
- Three postdoc positions at Oakland Univ.
- Electroanalytical chemist at Emerson Automation Solutions

**Special Thanks to Our Sponsors!**

**How Easy it is to Become a SEAC Member**

# INTRODUCING THE NEW SEAC WEBSITE

*By Tim Paschkewitz*

We are very excited to announce that the new SEAC Website has been launched.



## About SEAC

The **Society for Electroanalytical Chemistry (SEAC)**, formed in 1984, has primarily been an organization intended for keeping the electrochemically-inclined researchers and scholars connected. Since the formation of the Society, they have been very active in supporting outstanding electrochemical scientists with the Charles N. Reilley Award and also in the pursuit of young investigators with the Royce W. Murray

Our URL has changed (The old website and URL redirects to the new website):

**<https://seac.online>**

The new website has several new functions. The site maintains our memberships (new, recurring, billing, etc.), gives all members their own profile (fresh and ready for you to update), and will eventually be the single conduit for things like election ballots, award nomination submissions, registrations, bookings, etc.



We created a profile for all existing SEAC members, based on the details we had on file. By now, you should have received email(s) regarding your new account details and resetting your password. If you haven't, contact [admin@seac.online](mailto:admin@seac.online) and we will help you get access to your profile. Once you can login, please take the time to update your profile (details, photos, etc.).

The new site is full of new and exciting features. It starts by logging in, updating your profile, and checking out our news blog (<https://seac.online/news/>). We are creating an online community for SEAC members. Where we can go with this is limitless, so dig in and enjoy! We are very open to feedback including feature requests, changes/edits, bugs, etc. Contact us at [admin@seac.online](mailto:admin@seac.online).

A huge thank you is in order for Sam Kounaves. Sam single-handedly kept [electroanalytical.org](http://electroanalytical.org) up and running for years. Thank you very much, Sam!

## DIGITAL SEAC COMMUNICATIONS

Thanks to Tim Paschkewitz, *SEAC Communications* is ready to move to the digital format. Tim has created a news article on the SEAC website so that SEAC members can vote their preference and give any feedback at the following link: <https://seac.online/news/the-future-of-seacommunications/>

**Please vote by December 31, 2021.** We will publish only digital SEAC Communication from the 1st 2022 issue if SEAC members' votes are consistent with this change.

## NO PI'S ALLOWED - MONTHLY SEAC STUDENT MEETING

*By Junaid Ahmed and Milo Suvira*

We all know how the COVID-19 pandemic has affected our lives in many ways. Apart from our mental and physical health, one of the greatest challenges for students and educators has been learning to move everything online quickly, as many had no or few experiences with the virtual platforms. When everything was nearly shut down, virtual communication was the only one left, especially thanks to Zoom. We were upset not to meet with our friends and colleagues in person, but one of the unseen advantages is we can zoom across the country. A group of students from several labs saw this as a unique opportunity and planned to meet once a month over Zoom, adapting the format from the SEAC student group meeting at the 2020 Pittcon conference. Peter Defnet, one of the committee members of this new SEAC student meeting, found the 2020 student meeting to be a wonderful and engaging experience that should be done more than once per year. The organizing committee consists of a diverse group of 9 students from 6 different labs with different areas of electrochemistry expertise. This monthly meeting aims to promote networking among the community, to address ambiguous and confusing data, and to progress science. Milomir (Milo) Suvira, another committee member, added that it is important to learn from other graduate students with expertise and perspective different from one's own lab. He also noted that the meeting has provided a comfortable and friendly environment to ask questions and get feedback on various challenges and setbacks experienced in the lab. As planned, the students and postdocs started meeting on the 4th Wednesday of every month since June 2021. An email with a meeting link, some selected articles, and declared topics are sent out to the members. This meeting is strictly tailored for the student without influence from PI's.

The meeting is divided into three segments: How To, Literature/Discussions, and Research. The "How-To" session aims to provide the audience with an in-depth and detailed explanation of a technique or process that is often omitted in general literature and to learn it from the experts. The following "Literature/Discussions" session aims to discuss the strengths, directions, and limitations of a particular subtopic in electrochemistry. Finally comes the exciting "Research" session during which participants share their ambiguous, challenging, and/or troublesome data. Participants attempt to provide insights, effectively analyze the data, and propose alternative methods if applicable. The main advantage of this session is that the feedback is coming from a diverse pool of students with many different backgrounds in electrochemistry. It gives the presenter an "out-of-the-box" outlook on their research progress.

Around 20-25 students and postdocs from several research groups join the meeting regularly. The meeting starts at 7:00 PM (EST) and usually lasts for 1 hour; however, enthusiastic discussions extend more than 1 hour in most cases. The June meeting was kind of an ice-breaker, getting to know each other and discussing science more generally. In the following meetings, more interactive and creative discussions have taken place, and stretched the participants' horizons on selected topics. Many participants adapted the discussed strategies to overcome the difficulties in their research. Shafiu Islam, a regular participant in the meeting, mentioned how the discussion motivated him to learn python to rapidly analyze his data. He also revived one of his research projects that he was planning to leave off. To date, a wide range of topics in electrochemistry has been covered, including the integration of electrochemistry with microfluidics, nanoelectrode fabrication, nanoparticle collisions, amperometric data analysis, and more.

Upcoming talks will cover topics in energy devices, enzyme electrochemistry, microbial electrochemistry, biosensing, and other biology-related electroanalytical techniques. The student section hopes to expand the discussion, include new participants in future meetings, and welcome any feedback to this [seacstudents@gmail.com](mailto:seacstudents@gmail.com) address.

## PITTCON 2022 – March 5~9, 2022

*Second Annual SEAC Student Group Meeting (SEAC-SGM) – March 5, 2022*



**Student and postdoc electrochemists** - come to Pittcon and attend the Second SEAC Student Group Meeting, held 3/05/2022 in Atlanta, GA.

<https://docs.google.com/forms/d/e/1FAIpQLSe6WRevPw2jajAoE5lqoY4iSlberohyPDPfyVuPRJ5D8rTqdQ/viewform>

- Participation in this meeting is open to students (graduate, undergraduate) and postdoctoral associates, with minimal faculty oversight.
- The style of the meeting is that of a large group meeting with talks chosen from the students who attend. Talks on half-baked, problematic, or poorly understood data are encouraged, and time will be dedicated to group-level discussion. Please do not plan to bring polished, formal presentations to this meeting.
- Student social activities will be planned Saturday night for the SEAC Student Group Meeting.
- The meeting immediately precedes the Pittsburgh Conference on Analytical Chemistry. Students are encouraged to attend the SEAC Student Group Meeting, and then stay to enjoy Pittcon and additional SEAC activities (SEAC Awards symposium and SEAC reception and dinner).
- To facilitate attendance at both meetings, you may consider presenting a poster at a SEAC or ACS Division of Analytical Chemistry Session. (This will hopefully make attendance at the meeting affordable if you are attending Pittcon.)

For more info - contact **Lane Baker, Indiana University** ([lanbaker@indiana.edu](mailto:lanbaker@indiana.edu)) or **Ashley Ross, University of Cincinnati** ([ross2ah@ucmail.uc.edu](mailto:ross2ah@ucmail.uc.edu)). **Space is limited to ca. 50 participants.**

## TRAVEL AWARDS SPONSORED BY ACS-DAC

### ACS YCC Travel Grants

The Division of Analytical Chemistry is offering travel awards for Younger Chemists (under age 35) to travel to a meeting to present the results of their research. Individuals who may not have previously been able to participate in professional meetings are particularly encouraged to apply. Applications are due Nov 1 for winter and spring meetings and May 1 for summer and fall meetings. [More information](#) and [the application form](#) are available on the Division website.

### *I. M. Kolthoff Enrichment Awards for Undergraduate Students*

Sponsored by the ACS Division of Analytical Chemistry (DAC), the Kolthoff awards provide up to \$750 in travel funding for undergraduate students to present a poster on their research at the annual Spring ACS National Meeting & Exposition or Pittcon. Up to four awards will be available between the two meetings. Awarded students should plan to present their posters at the DAC Poster Session at either meeting. Preference will be given to undergraduate chemistry majors with strong academic records who have made significant research contributions in the analytical sciences and for whom this would be their first national meeting presentation and who have limited access to other support mechanisms. Learn more about the award [here](#). The deadline for applications is January 10, 2022. Apply today!

Questions? Contact Erin Gross ([ErinGross@creighton.edu](mailto:ErinGross@creighton.edu)).

## FOCUS ISSUE ON WOMEN IN ELECTROCHEMISTRY

*Accepting Submissions: August 5, 2021 | Submission Deadline: November 3, 2021*



To celebrate and promote the many achievements of women investigating the myriad aspects of electrochemistry, the *Journal of the Electrochemical Society* is preparing a focus issue on Women in Electrochemistry, to be published in 2022. The Electrochemical Society (ECS) celebrates the achievements of women researchers from all over the world with the aim of reducing gender inequality in STEM.

For more details, visit: <https://www.electrochem.org/ecs-blog/focus-issue-on-women-in-electrochemistry/>

## IN MEMORIAM – JANET (OSTERYOUNG) JONES

*By Carol Korzeniewski and Viola Birss*



Founding SEAC member, Janet (Osteryoung) Jones, passed away on September 21, 2021 following a long illness. She was well known within the scientific community for her impactful contributions to analytical chemistry and electrochemical analysis, particularly in the development of square wave voltammetry. She served as Founding Secretary and later, in 1987, as President of SEAC. She received the SEAC Charles N. Reilley Award in Electroanalytical Chemistry in 1999.

Among her other honors, Dr. Jones was awarded the ACS Division of Analytical Chemistry Award in Electrochemistry (1996), the Society for Analytical Chemists of Pittsburgh Analytical Chemistry Award (1998), the FACSS SciX Anachem Award (1990) and the Garvin Medal of the ACS (1987). She was a longtime faculty member at the State University of New York at Buffalo (1979-1992) before serving as Head of the Department of Chemistry at North Carolina State University (1992-1994) and as Director of the Chemistry Division at the National Science Foundation (1994-2001). She was elected a Fellow of the American Association for the Advancement of Science in 1984.

Dr. Jones completed her undergraduate studies at Swarthmore College and earned her Ph.D. degree from Caltech, where she was a graduate student with Prof. Fred C. Anson.

<https://seac.online/news/in-memoriam-janet-osteryoung-jones/>  
<https://www.floridatoday.com/obituaries/bft077403>

## REMEMBRANCES ABOUT JANET (OSTERYOUNG) JONES

*Compiled by Carol Korzeniewski*

Janet was indeed a pioneer female electrochemist if the word female is not yet forbidden. She had a reputation among some people of being pretty tough...or maybe strident (a better word) with her opinions. She also had a twinkle in her eye and could be a lot of fun. She did not like BS that overhyped science achievements. More of that attitude could be good these days. :) She was very accomplished in the science and had a great partnership with Bob Osteryoung. They were a unique couple, both contributing separately and together. -- Pete Kissinger

The last time I saw Janet was in 2001 when I was asked by her #2 in the Division of Chemistry at the National Science Foundation to be the speaker at her farewell party. After my remarks highlighting her many scientific contributions, including her leadership on improving inclusion of underrepresented groups in science, she thanked the NSF folk and then noted that she was going to step away from science for a while, but that she would be back. She never came back. I hope she found joy in the years that followed. -Debra Rolison

A tremendous loss to be sure. She was a significant role model for me in the early days of my career and I missed her when she left science. Truly one of a kind. --Jeanne Pemberton

Fall, 1995, my younger brother had relapsed with leukemia and was given 2 to 6 weeks to live. He was 32. I was due to speak at a meeting Janet had organized and I asked her if I could cancel at the last minute. She agreed. After he died, I met Janet at the GRC and she gave me a huge hug and said, never worry, family is always first. I never forgot. She was tough as well as smart, but she was a gem of a human being inside! I admired her until the end. --Andy Ewing

Janet was a forceful voice for women in science. I cannot even imagine how much crap she had to put up with during her career. I remember visiting her and Robert at Buffalo many years ago. They had painted the forward, reverse and difference current functions on the wall in their office. Hard to miss! I wonder how many people use "Osteryoung Square Wave" and know nothing about her. I also remember having a great dinner at their house. I hope her current function will always be positive! --Tito Abruña

She was chair of the Department of Chemistry at NCSU at the time I graduated. There were not too many women electrochemists at the time, and I will always remember being impressed by what she had accomplished, which I know was not easy. I also remember her asking me a question at my final research seminar that I knew the answer to but in my moment of panic could not get it out. It was so embarrassing, but she came up afterward and we had a great conversation and she congratulated me. --Maryanne Collinson

Even though she probably never knew this, Janet was a great role model for me, especially in the early days of the Electrochemistry GRC, where she would be one of the few women in attendance and one of the very few women speaking on the stage and speaking rigorously and confidently to boot. --Viola Birss

In summer 1997, I just finished my Ph.D. with Dr. Bruckenstein at Buffalo and attended my first ACS national meeting at Las Vegas. That year, there was a dinner party for Dr. Bruckenstein who won the ACS electrochemistry award. I was by chance sat next to Janet in the dinner table. She was very kind and taught me the etiquette of American dinner. She also spent time asking me about my career plans and gave me some very good advice. At that time she was NSF program officer and I felt so honored she spent time taking with me. She has been a role model for me since then. --Xiangqun Zeng

I joined Janet's group as a postdoc in 1985 and spent two years with her transitioning back from doing my PhD with Jaques Buffle in Geneva. I remember she had a sign on her office door, "the best way to be safe is to never be safe". People didn't always get it, but it was not also a personal philosophy, but what she taught me about doing cutting edge science, of never being afraid to take risks and fail. She had a lifelong impact on both my science career and teaching and will be sorely missed. – Sam Kounaves

Janet's science was always ahead of its time. Her support of the next generation was always generous. Janet's solitary advance into academics opened opportunities for those of us who followed. (I think it was Janet who said "female analytical chemist is an oxymoron" but I have not been able to find the quote.) – Johna Leddy

## FUTURE ELECTROCHEMISTS

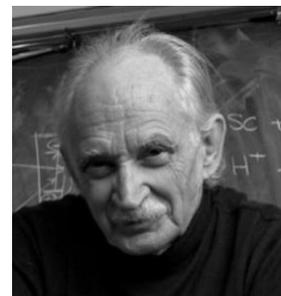
*William Heineman's Grandkids Enjoy an Electrochemistry Textbook!*



## MEMBER NEWS

**Allen Bard**, the first Reilley Award winner in 1984, retires after a 63-year career from the Department of Chemistry at The University of Texas at Austin. An article, which is very enjoyable to read, has been published by the University of Texas.

<https://cns.utexas.edu/news/electrochemistry-pioneer-allen-bard-retires-leaving-behind-a-texas-science-legacy>



**Lane Baker** reports that, after 15 great years at Indiana University, the bakergrp will be relocating to Texas A&M University in early 2022.

In addition, he was elected to the ACS Fellow.

<https://www.acs.org/content/acs/en/funding-and-awards/fellows/list-of-2021-ac-fellows.html>



**Joseph Wang**, 2019 Reilley Award winner, University of California, San Diego, is the recipient of the inaugural 2021 IUPAC Analytical Chemistry Medal:

<https://iupac.org/winners-of-the-inaugural-2021-iupac-analytical-chemistry-awards/>



**Shelley Minter**, 2020 Reilley Award winner, University of Utah, has been awarded the prestigious Bruno Breyer medal from the Electrochemistry Division of the Royal Australian Chemical Institute. **Alan Bond** explains that the Breyer Medal is the highest award made by the Australasian electrochemistry community. The Breyer Medal and Lecture commemorates Dr Bruno Breyer (1900-1967) who was born in Czechoslovakia, educated in Germany, and later became a pioneer of AC polarography in Australia. The medal is awarded for internationally recognized contributions in the field of electrochemistry.

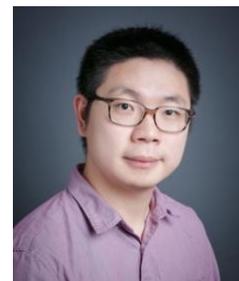


**Peter Kissinger**, Purdue University and the Founder of Inotiv Inc., is the recipient of the 2021 August M. Watanabe Life Sciences Champion of the Year Award.

<https://www.insideindianabusiness.com/story/44958733/inotiv-founder-named-watanabe-award-winner>



**Long Luo**, Wayne State University, received the NIH Maximizing Investigators' Research Award (MIRA) and the Wayne State University Academy of Scholars Outstanding Junior Faculty Award.



## MEETINGS TO COME

Meetings of interest to our SEAC members abound during the coming year, with symposia being organized by some among us.

<b>Meeting</b>	<b>When</b>	<b>Where</b>	<b>Link for More Information</b>
240 <sup>th</sup> ECS Meeting	2021, Oct 10–14	Online	<a href="https://www.electrochem.org/240">https://www.electrochem.org/240</a>
The 10th Workshop on Surface Modification for Chemical and Biochemical Sensing, SMCBS'2021	2021, Nov 5–9	Warsaw, Poland	<a href="http://www.smcbs.pl/">http://www.smcbs.pl/</a>
ISE Satellite Student Regional Symposium on Electrochemistry - 15 <sup>th</sup> School of Electrochemistry	2021, Dec 6–10	Online	<a href="https://sites.google.com/site/schoolofelectrochem/">https://sites.google.com/site/schoolofelectrochem/</a>
Pacificchem 2021: A Creative Vision for the Future	2021, Dec 16–21	Online	<a href="https://pacificchem.org/">https://pacificchem.org/</a>
Gordon Research Seminar – Electrochemistry	2022, Jan 8–9	Ventura, CA	<a href="https://www.grc.org/electrochemistry-grs-conference/2022/">https://www.grc.org/electrochemistry-grs-conference/2022/</a>
Gordon Research Conference – Electrochemistry	2022, Jan 9–14	Ventura, CA	<a href="https://www.grc.org/electrochemistry-conference/2022/">https://www.grc.org/electrochemistry-conference/2022/</a>
Pittcon 2022	2022, March 5–9	Atlanta, GA	<a href="https://pittcon.org/">https://pittcon.org/</a>
ACS National Meeting & Expo – Bonding Through Chemistry	2022, March 20–24	San Diego, CA	<a href="https://www.acs.org/content/acs/en/meetings/national-meeting/about/future-meetings.html">https://www.acs.org/content/acs/en/meetings/national-meeting/about/future-meetings.html</a>
31st ISE Topical Meeting “Theory and Computation in Electrochemistry: Seeking Synergies in Methods, Materials and Systems”	2022, May 15–19	Aachen, Germany	<a href="https://www.ise-online.org/ise-conferences/next_ISE-meetings.php">https://www.ise-online.org/ise-conferences/next_ISE-meetings.php</a>
241 <sup>st</sup> ECS Meeting	2022, May 29 – June 2	Vancouver, BC, Canada	<a href="https://www.electrochem.org/upcoming-meetings/">https://www.electrochem.org/upcoming-meetings/</a>
Matrafured International Meeting on Chemical Sensors	2022, June 12–17	Visegrad, Hungary	<a href="https://matrafured.ch/">https://matrafured.ch/</a>
Gordon Research Seminar – Bioanalytical Sensors	2022, June 25–26	Newport, RI	<a href="https://www.grc.org/bioanalytical-sensors-grs-conference/2022/">https://www.grc.org/bioanalytical-sensors-grs-conference/2022/</a>

<b>Meeting</b>	<b>When</b>	<b>Where</b>	<b>Link for More Information</b>
Gordon Research Conference – Bioanalytical Sensors	2022, June 26–July 1	Newport, RI	<a href="https://www.grc.org/bioanalytical-sensors-conference/2022/">https://www.grc.org/bioanalytical-sensors-conference/2022/</a>
ACS National Meeting & Expo – Sustainability in a Changing World	2022, Aug 22–25	Chicago, IL	<a href="https://www.acs.org/content/acs/en/meetings/national-meeting/about/future-meetings.html">https://www.acs.org/content/acs/en/meetings/national-meeting/about/future-meetings.html</a>
Journées de Chimie Analytique 2022 JCA2022	2022, Aug 26–28	Libreville, Gabon	<a href="https://jca-2021.sciencesconf.org/?forward-action=index&amp;forward-controller=index&amp;lang=en">https://jca-2021.sciencesconf.org/?forward-action=index&amp;forward-controller=index&amp;lang=en</a>
11 <sup>th</sup> International Frumkin Symposium on Electrochemistry	2021, Oct 17-21	Moscow, Russia	<a href="http://frumkinsymp.ru/">http://frumkinsymp.ru/</a>
242 <sup>nd</sup> ECS Meeting	2022, Oct 9–13	Atlanta Hilton	<a href="https://www.electrochem.org/upcoming-meetings/">https://www.electrochem.org/upcoming-meetings/</a>
73 <sup>rd</sup> ISE Annual Meeting	2022, Oct 23–28	Xiamen, China	<a href="https://www.ise-online.org/ise-conferences/next_ISE-meetings.php">https://www.ise-online.org/ise-conferences/next_ISE-meetings.php</a>
33 <sup>rd</sup> ISE Topical Meeting “Challenges in Molecular Electrochemistry and Surface Reactivity”	2022, Nov 27–30	Santiago, Chile	<a href="https://www.ise-online.org/ise-conferences/next_ISE-meetings.php">https://www.ise-online.org/ise-conferences/next_ISE-meetings.php</a>

## JOB OPENING

### Electrochemistry Product Manager at BASi

BASi (a division of Inotiv, Inc) is looking for a passionate, creative electrochemist to join the BASi team and help shape the future of electrochemistry research. BASi (formerly Bioanalytical Systems, Inc) has been making instruments and consumables for electrochemical research for more than 45 years. Our clients include a wide variety of users and applications, but we are especially interested in candidates with experience in biosensor development.

The Electrochemistry Product Manager is responsible for the development, promotion, and support of BASi's Electrochemistry products including potentiostats, cell stands, electrodes, and other electrochemical accessories. This position is responsible for the overall direction, coordination, implementation, execution, and control of electrochemical products projects ensuring consistency with BASi strategy, commitments, and goals. The product manager will work closely with BASi's technical and professional staff to ensure accurate and timely delivery of products to clients. The role is focused on three primary directives:

1. Develop, test, and introduce innovative products and services for the electrochemistry market, particularly in the areas of basic research, biosensors and point of care sensing. Help develop products that meet the needs of customers and set BASi apart as a leader in the field.
2. Pursue partnerships, collaborations, and acquisitions of technologies compatible with BASi electrochemistry offerings. Develop lasting and mutually beneficial relationships with partners that can help us grow.
3. Manage product issues, reported problems, and technical questions; work with colleagues and customers to resolve these issues. Have a customer-focused mindset; help us see things through the eyes of our customers so that we can serve them better.

See the full job description and the link to apply here:

[https://workforcenow.adp.com/mascsr/default/mdf/recruitment/recruitment.html?cid=65f9886d-864b-437c-9d59-7bb571a0171c&cclid=19000101\\_000001&jobId=297751&lang=en\\_US&source=CC4](https://workforcenow.adp.com/mascsr/default/mdf/recruitment/recruitment.html?cid=65f9886d-864b-437c-9d59-7bb571a0171c&cclid=19000101_000001&jobId=297751&lang=en_US&source=CC4)

### **Tenure-Track Position in Chemistry at the University of Cincinnati.**

The Department of Chemistry in the College of Arts & Sciences at the University of Cincinnati seeks applications to fill a tenure-track position in chemistry. Research areas of interest are broad and expand all sub-disciplines of chemistry; however, special consideration may be given to biochemistry-related subareas.

An ideal candidate is expected to develop a vigorous, externally-funded research program that applies innovative approaches to address problems in chemical and biochemical science. The successful candidate will play a critical role in fostering collaboration across the College of Arts and Sciences, and, for example, Colleges of Engineering and Applied Sciences, Medicine, and Pharmacy. In addition, the successful candidate is expected to be committed to enthusiastic and effective teaching at the undergraduate and graduate levels. The University of Cincinnati is a rapidly growing Research-Extensive University with an outstanding location, facilities, and infrastructure to support cutting edge research and collaborative interactions at the interface of chemistry, materials, and health.

A link to the job posting: <https://bit.ly/2XtvMNy>

### **Three Postdoctoral Positions at Dr. Xiangqun Zeng's Research Lab at Oakland University.**

Two to three postdoctoral researcher positions are available immediately at Oakland University (Rochester, Michigan) under the direction of Dr. Xiangqun Zeng, Distinguished Professor of Chemistry, to conduct impactful, innovative, multi-disciplinary research in developing chemical and biosensors for biomedical research, health, safety and environmental applications. Postdoctoral researchers are supported by three grants from National Institute of Health (NIH) and Department of Energy (DOE). The initial appointment is for one year, and renewal for an additional year is expected if progress is satisfactory and funds are available.

The two NIH positions are for developing innovative chemical sensing and particle sensing technologies, one for neurosensing and another for environmental health applications. The candidates' knowledge about electrochemistry (redox chemistry), biochemistry, ultramicroelectrode and bioanalytical chemistry will be valuable for this position.

The DOE project is for developing continuous gas sensors for energy applications. This project intends to recruit a postdoctoral associate who is knowledgeable about electrochemical gas sensors. Candidates with expertise in nanoparticle synthesis and characterization, analytical chemistry, ionic liquid electrochemistry are strongly encouraged to apply.

Oakland University is a public institution, located in Rochester Michigan, a suburb of Detroit with heavy industrial base nearby (e.g., the major research and development centers of Daimler-Chrysler North American, Ford, and General Motors). Candidate must have a Ph.D. in chemistry or chemical engineering or related field and strong background in electrochemistry and analytical chemistry. Please submit your CV with names of three references to Dr. Xiangqun Zeng ([www.oakland.edu/~zeng](http://www.oakland.edu/~zeng)), Department of Chemistry, Oakland University, Rochester, MI 48309 by e-mail: [zeng@oakland.edu](mailto:zeng@oakland.edu). Review of applications will begin immediately. Affirmative Action/ Equal Opportunity Employer.

### **Electroanalytical Chemist Opening at Emerson Automation Solutions**

Emerson Automation Solutions is looking for a good candidate with background in electrochemical sensors/analytical chemistry to join our design engineering team at Emerson Automation Solutions, Shakopee Minnesota office. This is an exciting technical position with responsibilities to lead and support the design of our analytical sensor products, such as pH, amperometric, conductivity, gas sensors. Here please find a [link](#) to some of our products. The position is not posted yet but should be available in several weeks. Below please find some information about this position.

If you know a good candidate who is interested, please forward the resume to our Director of Engineering, Mr. Chad McGuire ([Chad.McGuire@emerson.com](mailto:Chad.McGuire@emerson.com)). We greatly appreciate your help and look forward to hearing from you!

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**Job Title:** Lead Senior Chemist/Principal Chemist (position level to be adjusted based on experience)

**Summary:** Technical position responsible for developing technologies key to sensor development and working with engineering team to bring new technology to market.

**Basic Qualifications:** Bachelor's degree in Chemistry, Chemical Engineering or related from an accredited University. Graduate Degree Preferred

**Duties and Responsibilities**

1. Manages personnel assigned to the research group.
2. Works with marketing Product Managers to establish project goals and product definitions for new products.
3. Supports development teams to maximize efficiency and minimize development time and cost.
4. Monitors external research in fields related to sensor development in process industries.
5. Provides support for product maintenance of sensor products in production when necessary.
6. Supervises all laboratory activities related to research efforts.
7. Identifies and develops technologies critical to sensor development.
8. Continually works towards cost effectiveness of designs.
9. Maintains relationships at key research laboratories.
10. Reports periodic project progress to the new product development team and to Product Managers for maintenance of schedules.
11. Maintains all I.P. and ensure our technology is secure by seeking patent protection.
12. Organizes research activities, formulates hypotheses, plans experimentation efforts and communicates results.
13. Supervises all assigned personnel in order to achieve the cost, schedule and performance goals as outlined in the product definition.
14. Supports the Manufacturing and Marketing departments as required to accomplish Company goals.

## SPECIAL THANKS TO OUR SPONSORS!



## HOW EASY IT IS TO BECOME A SEAC MEMBER

Any individual with an interest in electroanalytical chemistry is invited to join SEAC. Regular one-year membership dues are \$30. Student dues are \$10. Dues are payable on January 1 of each year. A lifetime membership option is available for \$300, payable either as a lump sum or in three annual, nonrefundable installments of \$100.

To become a new member of SEAC, go to <https://seac.online/membership-account/levels>. There, you can register for the website and purchase a subscription. We only accept credit cards for payment.