Chair’s Message

Jigisha Shah

Happy November! This is my favorite time of year...perhaps my cheerfulness has something to do with a much-needed procession of rain showers, cooler temperatures, a promise of more time with family and friends, and memorable holidays! So much has happened since the last chair message. Pioneers of asymmetric organocatalysis, Benjamin List and David W. C. MacMillan, have won the 2021 Nobel Prize in Chemistry. Californian physicians, David Julius and Ardem Patapoutian, have won the 2021 Nobel Prize in Physiology or Medicine for their work on understanding how, at the molecular level, stimuli can be converted into nerve signals. Hopefully, we will have one of these brilliant scientists speak at a SVACS in-person dinner meeting.

The SVACS local elections are still ongoing.

SVACS members should have received an email with ballot information on October 22. The elections will remain open until November 14, so please cast your ballot!

Upcoming events include: Bay Area Chemistry Symposium on November 5th, SVACS’ slightly late National Chemistry Week event on ‘Fast or Slow, Chemistry Makes it Go’ on November 13th, and Charles Rand’s talk from Checkerspot on 7 December. Checkerspot is a materials company applying genomics at the nexus of biology, chemistry, materials fabrication...
and big data to arrive at novel materials to address some of humanity’s current challenges of climate change, supply chain sustainability and alternatives to toxic chemicals. This is going to be an exciting talk! Registration links for all these events are included in this newsletter’s Upcoming Events column.

In the last few days, I have been reminiscing about my time with our section. I stumbled into SVACS in late 2016, after moving to the SF Bay area. I had just defended my thesis and remember feeling a mixture of desperation and rage at the impossible task of building a career whilst raising a very active 2 year old. I needed to feel a sense of belonging; instead, I found myself in a place that seemed to tell me in a myriad of ways, from the very beginnings of my career, that I didn’t belong. SVACS became my HOME and the members of the section became my chemistry network, connections, and my FAMILY. I have met so many passionate and driven individuals that I now call lifelong friends. Our team is full of exceptional leaders with diverse voices and I am privileged to still learn from them every time we see each other. I get to network and learn about applications of chemistry from gifted and persistent scientists who are just as passionate about science as I am. SVACS provides many opportunities to give back to my community and inspire the next generation of scientists. I am looking forward to seeing what the SVACS can achieve over the next 10 years and beyond.

As many of you understand, all of the work we do is actualized by the hard work of our volunteers. We are always looking for new volunteers to help make our programming better than ever. I hope I have convinced you of great personal & professional networking opportunities, chances to meet new friends and socialize through SVACS. Besides, volunteer work is a superb conversation starter in interviews. Please get in touch with me or any of the section leadership team if you would like to find out more about opportunities with us.

“Life depends on death — living things die, decompose and eventually become nutrients for other life. But when humans die, we’re often embalmed and buried or cremated. So, are we breaking the circle of life?” Watch this video (7:42 minutes).

Reactions is a video series produced by the American Chemical Society and PBS Digital Studios. Subscribe to Reactions at http://bit.ly/ACSReactions and follow us on Twitter @ACSReactions.

UPCOMING EVENTS

Nov 5  
2nd Annual Bay Area Chemistry Symposium (BACS)
Sponsored by the ACS California and ACS Silicon Valley Sections
8:30am-4:30pm, Online only, Learn more and register

Nov 7  
Chemical Health and Safety Workshop: RAMP in the Research Lab
Sponsored by the ACS Division of Chemical Health & Safety (CHAS)
10am-1pm PT, Online via Zoom, Free, Registration required

Nov 10  
Sustainability Through Innovation: A Conversation with Industry Experts
Lee Ellen Drechsler, Procter & Gamble; and Rick Hemond, DuPont
Sponsored by ACS Webinars
11am-Noon PT, Online via Zoom, Free, Registration required

Nov 11  
Bringing Systems Thinking into the Classroom
Katherine Aubrecht, Stony Brook University; and John Randazzo, North Park University
Sponsored by ACS Webinars
11am-Noon PT, Online via Zoom, Free, Registration required

Nov 13  
A Career Journey in the Field of Environmental Toxicology
Dr. Alicia A. Taylor, California Department of Toxic Substances Control
Sponsored by the ACS California Section
10:30am-Noon, Online via Zoom, Free, Registration required

Nov 17  
New Polymers in Space: Long-Term Exploration Beyond Our Planet
Stephanie Vivod, NASA John H. Glenn Research Center, and Christopher Wohl, NASA Langley Research Center
Sponsored by ACS Webinars
11am-12:30pm PT, Online via Zoom, Free, Registration required

Dec 7  
Checkerspot: From Molecule to Material to Mountain & Beyond
Dr. Charles Rand, Manager of Materials Science, Checkerspot
Sponsored by the ACS Silicon Valley Section
7-8pm, Online via Zoom, Free, Registration required

Dec 8  
Plastic Upcycling in the BOTTLE™ Consortium
Dr. Kat Knauer, Research Program Manager, National Renewable Energy Laboratory and The BOTTLE Consortium
Sponsored by the Golden Gate Polymer Forum
6:30-7:30pm, Online via Zoom, $5 donation/free, Registration required by Dec. 6th at 1pm

Dec 16-21  
Pacifichem 2021: A Creative Vision for the Future
Sponsored by the International Chemical Congress of Pacific Basin Societies
Hybrid event: Honolulu, Hawaii and virtual
Advanced registration rate available through October 20th.
Learn more and register

Sunsetting the ACS Periodic Table Blanket

Join the ACS before December 31, 2021 and get a periodic table blanket!

The periodic table blanket is a perk of an ACS membership promotion that sunsets in December 2021. January 2022 marks the launch of a new ACS membership structure featuring several different participation and payment levels.

The periodic table blanket offer is available only to new members (or long lapsed members). Download this form and follow its directions.

Please keep in mind that getting a periodic table blanket by joining before December 30, 2021 requires paying full dues. On January 1, 2022, dues in the new membership structure will be lower and refunds will not be given.

2021 MGM Periodic Table of the Elements Blanket

All 118 elements laid out over a 50" x 60", 100% cotton blanket. Shades of soft aqua, grey, green, and light blues on a background of cream.
Council Meeting at the Fall 2021 ACS National Meeting

This article contains selected “talking points” from the ACS Council meeting. A more complete version of the talking points is posted in the news section of the Silicon Valley’s website.

Actions of the Council

Council Special Discussion
President Cheng introduced and led a special discussion on ideas to increase involvement and membership from business and industry. For the last 5 years there has been a steady decrease in industry members. This can be attributed to a variety of factors, and there have been ongoing efforts to decrease the cost-related attrition while increasing member value.

To address value, ACS has a variety of offerings available to members to advance, discover, connect, and share. To address cost, actions were taken by the Council this past spring in the schedule of membership for 2022 that will provide industry members with flexibility as to membership options. Councilor input was then requested on the following two questions:
1. How can we improve the value that ACS provides to its industrial and business members?
2. How can we encourage academic inventors and entrepreneurs and support start-ups?

Highlights from Committee Reports

Budget and Finance
The Society’s 2021 financial performance through June 30 yielded a Net Surplus from Operations of $55.0 million, which is $33.6 million favorable to budget and almost $6 million greater than the same period in 2020. These mid-year results are based on total revenues of $324.4 million that are 4.3% favorable to budget, and total expenses of $269.4 million, or 7% below budget, with unrestricted net assets estimated at $645 million.

Committee on Committees (ConC)
ConC will again conduct a Committee Census (formerly called the Committee Demographic Survey) of all Society Committee personnel, including the members of committees elected by Council, in February 2022. This census gives ConC a snapshot of where the committee demographic picture stands as they look toward future recruitment and retention. To assist ACS in advancing its core values of Diversity, Equity, Inclusion and Respect, ConC would like to encourage all committee members and ACS leaders to take the two-hour course entitled “Leading Inclusively: Beyond Lip Service” developed by La’Wana Harris, a Certified Diversity Executive, International Coaching Federation (ICF) Credentialed Coach, and global leadership development professional. Go to https://learning.acs.org/course/view.php?id=996 to register.

Meetings & Expositions
The Fall 2021 Meeting was held live from August 22-26, and on-demand from August 30 – September 30. As of August 25, there were 8,205 registrations (1,895 hybrid and 6,310 virtual). Of the approximately 1,200 oral sessions held, 71 were only in-person, 244 were hybrid, and 855 were held virtually.

Actions of the Board of Directors - Executive Session
The ACS Board of Directors met virtually in Executive Session on August 20 and 28, 2021 and considered a number of key strategic issues and responded with several actions. The Board opened its session with a reflection on Diversity, Equity, Inclusion and Respect (DEIR).

The Board's Committees
The Board received and discussed reports from its committees on Budget and Finance, Executive Compensation, Professional and Member Relations, Public Affairs and Public Relations, the Advisory Board for the Green Chemistry Institute, the Governing Board for the American Association of Chemistry Teachers, and the Society committees on Education and Publications. The committees requested and obtained Board action on one or more items, as follows.

- On recommendation of the Society Committee on Publications, the Board voted to approve the reappointments of Editors-in-Chief for several ACS journals. Those appointments will be announced in C&EN once the individuals have been notified and appropriate arrangements for their continued service have been made.
- On recommendation of the Committee on Professional and Member Relations, the Board approved a Society nominee for the 2022 National Science Board Public Service Award.
- On the recommendation of the Committee on Budget and Finance, the Board approved the ACS 2022 Spring and Fall Meetings in-person/hybrid member registration fee at $399 and the virtual member registration fee at $199, both within a range of +/- 15%.
- On the recommendation of the Governing Board for the American Association of Chemistry Teachers (AACT), the Board approved amendments to the Board Regulations concerning the membership, appointment, and terms for the Governing Board for AACT.
- The Board received an extensive briefing and approved several recommendations from its Committee on Executive Compensation. The compensation of the Society’s executive staff continues to be reviewed regularly by the Board.

The Chief Executive Officer’s Report
The Board received an extensive report from the Chief Executive Officer on current issues relating to the Core Values of DEIR; COVID and the return to ACS Offices; Membership; Financials; and on upcoming events and activities. The Vice President for Philanthropy provided the presentation “Impact of COVID on Fundraising” during the report. The presidents of CAS and ACS Publications engaged in discussions with the Board on the activities, opportunities, and challenges of their respective divisions.

Other Society Business
The Board heard reports from the Presidential Succession on their current and planned activities for 2021 and 2022; received relevant updates on current legal issues from the ACS General Counsel; and had an initial briefing on the ACS Fall 2021 meeting, including a review of the format, technology, key events, and the presentations of science information at the meeting.

The Executive Vice President for Scientific Advancement provided an update on ACS efforts to address the United Nations Sustainable Development Goals.

Members of the Board Working Group on Board Structure and Representation sought input from their Board colleagues on possible models for international representation on the Board.

Confirmation of Council Actions
As required in the Standing Rules, the Board voted and confirmed the Council’s actions taken on August 25, 2021, to approve the Petition to Amend the Duties of the Committee on Minority Affairs; approved the continuation of the Committee on Environmental Improvement; and approved the ACS Professional Employment Guidelines (10th Edition).
Silicon Valley Local Section Won a ChemLuminary Award for the Most Creative & Innovative Use of the Chemists Celebrate Earth Week Theme

“The Silicon Valley Local Section collaborated with the Redwood City Library to host virtual hands-on experiments based on the Chemists Celebrate Earth Week (CCEW) 2020 theme of “Protecting Our Planet through Chemistry.” The Section distributed activity materials around “earth-friendly plastics” and “(re)cycling water,” created a video demonstrating the experiments, and hosted a Zoom session with 4th-7th graders to explain the science while students conducted experiments in the safety of their homes.”

About this award:
Award Sponsor: Committee on Community Activities (CCA)

SVACS Wins ChemLuminary Award!

Description: The CCA-sponsored award recognizes local sections that have demonstrated exemplary performance in the development and implementation of outstanding activities in support of National Chemistry Week (NCW) and Chemists Celebrate Earth Week (CCEW).

View other ChemLuminary Award winners
View SVACS Pop Up Science videos on the Outreach page of the Silicon Valley ACS website!
2021 Nobel Prizes in Chemistry, Physics, and Physiology/Medicine

The 2021 Nobel Prize in Chemistry: Using organic molecules as effective and environmentally friendly catalysts

The 2021 Nobel Prize in Physics: Climate modelling and understanding complex systems

The 2021 Nobel Prize in Physiology/Medicine: The discovery of the receptors that let us sense temperature and touch

Chemists With Disabilities Video Series

The ACS Committee on Chemists with Disabilities (CWD) helps many chemists that have disabilities advance their careers in the chemistry enterprise through its many products, services, and programs. This CWD video series shows how “Chemists with disabilities are outstanding chemists with unique abilities.” As of November 2, 2021, ten videos are available:

- The ACS Committee on Chemists with Disabilities
- Service Dogs in the Chemistry Laboratory: Some Considerations
- Increasing Participation of Students with Disabilities in STEM
- Insights from Experience in Mentoring Graduate Students
- Expanding Biomedical Training to the Deaf/Hard-of-hearing Community
- The Dyslexic Advantage
- Hiring People with Disabilities: Competitive Advantage for the Savvy Manager
- Experiencing Graduate School in Chemistry as a Blind Student
- Pairing Chemistry with Blindness
- Designing for Accessibility in a Blended-Learning Course
**Checkerspot: From Molecule to Material to Mountain & Beyond**

Dr. Charles Rand, Ph.D., Manager of Materials Science, Checkerspot

Sponsored by the Silicon Valley ACS

December 7, 7-8pm, Online via Zoom, Free, Registration required

**Abstract:**

The world needs new, high-performance materials that are less toxic and safe for the environment. The field of materials science is running short of molecular building blocks, having exhausted the permutations available from petrochemical and commodity vegetable oil monomers. A wealth of alternatives, however, are available through pathways that nature has developed over billions of years.

Checkerspot is a materials company that creates new high-performance materials by leveraging biotechnology. They do this by optimizing microbes to biomanufacture oils (and derivative fatty acids) that until now have not been accessible commercially. First materials applications that demonstrate their approach are next generation polyurethanes, designed for improved performance of skis and snowboards as animated through the WNDR Alpine outdoor brand. Checkerspot's vision is one of empowerment: to deliver unique, inspiring technologies and materials into the creative hands of fabricators and designers, the makers that conceive the next generation of high-performance products. This talk will discuss the structural organization of Checkerspot, the potential of Checkerspot’s Molecular Foundry, and some of the challenges and approaches of animating Checkerspot’s new materials into skis and snowboards through the WNDR Alpine outdoor brand.

**Bio:**

Dr. Charles Rand is the Manager of Material Science and Application Development for Checkerspot. The material science group at Checkerspot is focused on developing materials made from Checkerspot’s algal oils including the algal-derived polyols used to make polyurethanes. This includes cast and rigid foam polyurethanes used in WNDR Alpine skis. Charles received his PhD in Polymer Science and Engineering from the University of Massachusetts, Amherst. After completing his PhD, Charles joined Rohm & Haas which was acquired by Dow Chemical. Charles has 13 granted patents and has developed materials for photovoltaic applications, roof coatings, concrete, and insulation binders for the construction industry as well as binders for the acquisition layer in diapers.

---

**Plastic Upcycling in the BOTTLE™ Consortium Webinar**

Wednesday, December 8, 6:30PM Pacific

**Abstract**

Bio-Optimized Technologies to keep Thermoplastics out of Landfills and the Environment (BOTTLE™) is a U.S. Department of Energy multi-organization consortium focused on developing new chemical upcycling strategies for today’s plastics and redesigning tomorrow’s plastics to be recyclable-by-design. This talk introduces the BOTTLE Consortium and presents several research highlights from efforts to date including:

- Catalytic hydrogenation of polyolefins
- Enzymatic hydrolysis of PET
- Upcycling PET monomers into new high-performance thermosets
- Circular, biodegradable polyhydroxyalkanoates

Techno-economic analysis, life cycle assessment, and supply chain modeling will also be highlighted as critical tools to facilitate the development of economical and sustainable approaches for recycling and redesigning plastics. Insight into consumer actions to grow the circular economy will be presented and discussed.

**Speaker Bio**

Dr. Kat Knauer is a polymer scientist who has dedicated her scientific career to solving the plastic waste problem. She has a PhD in Polymer Science and Engineering from the University of Southern Mississippi. She completed the BASF Leadership Development Program (LDP) in 2018 and assumed a Senior Scientist role in BASF’s Plastics Division. Her research efforts in advanced recycling technologies led her to leading the Materials Innovation R&D team at Novoloop (formerly BioCellection), a San Francisco Bay Area chemical recycling startup. At Novoloop she helped develop a technology to convert post-consumer polyethylene waste into valuable chemical building blocks for upcycling into new high-performing polymer applications. Recently, Dr. Knauer joined the National Renewable Energy Laboratory (NREL) and the BOTTLE Consortium where she is developing sustainable technologies to chemically upcycle today’s existing plastic waste streams and develop new plastics for the future that are recyclable by design.

Register by Monday, December 6 on the GGPF website
Liquid Metal Transformable Machines

New Editor’s Choice (open access) article published in Accounts of Materials Research

Abstract: Conventional robots can accomplish defined tasks but often encounter troubles when handling irregular objects under unstructured environments. Soft robots, with supercompliance, large transformation, and high environmental adaptability, hold big promise for delicate manipulations such as grasping soft objects or delivering precious biomedical samples. Even a step further, if soft robots are endowed with the extraordinary behaviors to freely transform among different morphologies and constructions just like those already existing in literature and science fiction films, more fantastic challenges can be tackled. Representing one of the most potential robotic soft materials, liquid metals have been given sufficient expectations on realizing the transformable machines that might fundamentally reform modern daily life. Accordingly, inspiring discoveries on controllable transformations of the liquid metal have been obtained surprisingly and tremendous efforts have been made over the past decade, indicating a significant step toward such a formidable dream. It is clear that the discovery of liquid metal-based large-scaled transformation with several hundred-fold fast change on the surface area opens a brand new direction of manufacturing future transformable machines. Even unusual findings on a self-fueled liquid metal with biological life-like behavior to freely explore the unknown space that solves the energy supply issue also came into being, holding big promise for making bionic transformable robots. This Account aims to systematically sort out the developmental history of liquid metal transformable machines with special focus on the fundamental scientific discoveries, the underlying mechanisms, and the potential applied scenarios based on liquid metal enabled solid–liquid hybrids. The fantastic properties and unique transformation capabilities of liquid metals have built the basis for a new era of designing soft robotics and we believe that liquid metal transformable machines are evolving into new forms of soft robots.

Welcome to the Silicon Valley Section of ACS

Each month, the section receives a spreadsheet from national ACS with the names of members new to our section. The members are either new to ACS, have transferred in from other areas, or are the newest members -- students. To welcome you to the section and get to know you, the Executive Committee offers new members a free dinner at a monthly section seminar meeting, once we return to meeting in person! When you register for the event, make certain to mention that you are a new member and you and a friend will be our guests. The seminar meetings are held at several local venues. We hope you will also join us for an outreach event, like judging a science fair, proctoring the Chemistry Olympiad, or participating in a National Chemistry Week event in the autumn. The local section is a volunteer organization. Attend an event, volunteer to help, and get to know your local fellow chemists. Welcome!

NEW ACS MEMBERS

Robin Abu-Shumays  Hadley Davis Ellis  Teresa Nemeth
Ghada Ahmed  Cassondra Giffin  Gabriela Nerhood
Tatiana Beck  Cynthia Gonzalez  Anais Nguyen
Kristin Block  Pranav Gundu Naga  Akinori Okano
Rebecca Braslau  Ti-Hsuan Ku  Rahul Parashar
Heinrich Brinks  Allison Kuan  Hollis Price
Jon Robert Brodie  Brent Lindquist-Kleissler  Chad Michael Reed
Audrey L. Bryant  Kitty Ma  Andy Shabazian
Mingpeng Chen  Colleen Marcadal  Celia Fernanda Todd
Somenath Chowdhury  Bryant R. McLaughlin  Keely White
Philip Thomas Dirlam  Someet Narang  Mackenzie Whitman
Jackson Dwelle  Sindhu S. Nathan  Dennis W. Wolan

Announcing the Launch of ACS Publications’ Research Data Policy

This is a reprint of the article written by Angie Hunter that was published in ACS Axial blog on September 29, 2021. “ACS Publications is excited to announce a portfolio-wide Research Data Policy, effective September 30th, 2021. The policy, which was developed in partnership with ACS editors and outside experts, provides best practice recommendations for data citation, data availability statements, and the use of appropriate data repositories.

The launch of this policy represents a critical step toward ensuring that the results reported in our journals are verifiable, reproducible, and easily accessible to researchers. For authors publishing in ACS journals, making their data available and citable offers a greater opportunity for the research to be recognized and assists in meeting various funders’ requirements. For readers and the research community, having data available for review allows researchers to reproduce and compare reported results. It can also create efficiencies in the research process, providing greater potential for scientific and economic development.

The Research Data Policy will be shared on the ACS Publishing Center on September 30, 2021. Though the policy outlines four possible levels of compliance (see figure below), all ACS journals will start at level one, in which authors are encouraged – but not required – to share their data.

<table>
<thead>
<tr>
<th>POLICY LEVEL</th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encourages Data Sharing</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Encourages Data Availability Statement</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Requires Data Availability Statement</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Requires Data Sharing</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Requires Peer Review of Data</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

“I’m thrilled to promote open science through the broad adoption of the ACS Research Data Policy. This critical activity plays an important role in maintaining ACS Publications’ reputation as the most read, most cited, and most trusted publisher in science”, says Dr. Sarah Tegen, Senior Vice President, Journals Publishing Group. As data trends evolve, ACS plans to update this policy based on feedback from the scholarly publishing community.

To learn more about our new Research Data Policy, please visit the ACS Publishing Center.
“Methane is the second most important greenhouse gas after carbon dioxide. Although some emissions are natural, most are driven by human activity, and rapidly slashing emissions could help slow global warming, experts say. So, scientists are hard at work finding ways to mitigate the greenhouse gas, according to a new cover story in Chemical & Engineering News, an independent news outlet of the American Chemical Society.”

Read the full press release (published October 27, 2021) and C&EN article (volume 99, issue 39, published October 24, 2021).

Also see: Global Methane Budget page on the Global Carbon Project website.

Flexible Device Could Treat Hearing Loss Without Batteries

“Some people are born with hearing loss, while others acquire it with age, infections or long-term noise exposures. In many instances, the tiny hairs in the inner ear’s cochlea that allow the brain to recognize electrical pulses as sound are damaged. As a step toward an advanced artificial cochlea, researchers in ACS Nano report a conductive membrane, which translated sound waves into matching electrical signals when implanted inside a model ear, without requiring external power.” Read the full-text of the press release (published October 27, 2021).

“Acoustic Core-Shell Resonance Harvester for Application of Artificial Cochlea Based on the Piezo-Triboelectric Effect”
ACS Nano

Image: An electrically conductive membrane implanted inside a model ear simulates cochlear hairs by converting sound waves into electrical pulses; wiring connects the prototype to a device that collects the output current signal. Credit: Adapted from ACS Nano 2021; DOI: 10.1021/acsnano.1c04242 View larger image

Chemical Inhibitors to RAS Oncoproteins

“This CAS whitepaper presents an analysis of the RAS inhibitor landscape, with views based on structural similarity, chemical properties, and patent assignees. See what the insights reveal.”

“Around one in every five human cancers have at least one form of RAS mutation (K-RAS, H-RAS, and N-RAS), making RAS the most frequently mutated gene family in human cancers. Historically, these elusive RAS proteins have been called “undruggable”, until a recent breakthrough from AmGen with the FDA’s approval of the anti-cancer drug sotorasib which targets a specific mutation, G12C, in the protein K-RAS.

Not surprisingly, there has been significant activity in this space recently and CAS provides a unique view into this landscape of emerging science in their latest whitepaper - Chemical Inhibitors to RAS Oncoproteins: Current Landscape and Future Opportunities” (published October 26, 2021).

Read the related CAS Blog - Emerging trends in targeting “undruggable” RAS proteins for cancer treatment
2021 Section Officers

Chair: Jigisha Shah 315-289-5115 jssheth@syr.edu
Chair-Elect: Stephanie Benight 206-604-3163 sbenight@gmail.com
Past-Chair: Matt Greaney 510-410-0195 greaney19@gmail.com
Secretary (2021-2022): Prasad Raut 330-780-3689 prsraut@gmail.com
Treasurer (2020-2021): Ihab Darwish 650-624-1389 darwishis@yahoo.com

Councilors

2019-2021: Linda Brunauer 408-554-6947 lbrunauer@scu.edu
2019-2021: Jane Frommer 408-927-2225 jane@collabra.net
2019-2021: Sally Peters 650-447-3027 sallybrownpeters@gmail.com
2020-2022: Matt Greaney 510-410-0195 greaney19@gmail.com
2020-2022: Madalyn Radlauer 408-924-5482 madalyn.radlauer@sjsu.edu
2021-2023: Grace Baysinger 650-725-1039 graceb@stanford.edu
2021-2023: Natalie McClure 650-906-7831 nmcclure@drugregulatoryaffairs.com

Alternate Councilors

2019-2021: Sogol Teschler 408-896-2367 sgyahyazadeh@gmail.com
2019-2021: Laura Yeager 626-826-3145 laura.yeager123@gmail.com
2020-2022: Todd Eberspacher 650-723-2505 eberspacher@stanford.edu
2020-2022: Avni Gandhi 626-831-8230 avni.caltech@gmail.com
2020-2022: Heddie Nichols 310-435-2133 hnichols105@gmail.com
2021-2023: Howard Peters 650-447-3027 Peters4pa@sbcglobal.net
2021-2023: Dipti Shingnapurkar 408-242-0674 doc.dipti@yahoo.com

Newsletter

Editor: Grace Baysinger 650-725-1039 editor@scvacs.org
Assoc. Editor: Jane Frommer 408-927-2225 jane@collabra.net

The Chemistry of Bread-Making. Enlarge image

The Silicon Valley Section of the American Chemical Society is the copyright owner of all material published in The Silicon Valley Chemist. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without advance permission in writing from the editor, particularly for commercial purposes. Authorization to photocopy items for limited internal or personal use, or the limited internal or personal use of specific clients, is granted by the Executive Committee of the Silicon Valley Section of the American Chemical Society.