

*Happy
Thanksgiving*



CHAIR NOTES

Dear ACS Members,

Welcome to the start of the holiday season! We had our tenth Executive Committee Meeting of 2021 on Zoom on Thursday, October 7th, where we planned several future events and discussed the many activities that occurred in September.

In October, we had a most thought-provoking virtual seminar on Wednesday, October 13th, at 7:00pm. **Professor Paul Jagodzinski**, Dean, College of Engineering, Forestry & Natural Sciences at Northern Arizona University, Flagstaff (and Chairman of the ACS Board of Directors), presented "Making STEM Fields Equitable, Inclusive, and Respectful." In his talk, **Professor Jagodzinski** discussed the five goals of the ACS, with emphasis on the fifth goal, embrace and advance inclusion in chemistry. He explained that institutional initiatives will not be sufficient and member involvement is crucial to making STEM fields more equitable, inclusive, and respectful. He reviewed the past efforts to give Navajo students a formal education and the conflicts they face on obtaining a college degree.

Our next Executive Committee meeting will take place on Thursday, November 4th, at 6:30pm on Zoom. I invite all members who wish to become more involved in the Section to join us. Bring your ideas, your suggestions, and your unique talents to help us better serve the Section for the rest of 2021 and the incoming 2022. Please contact me at jshih@sandiegoacs.org to receive Zoom log-in details.

Finally, with great sadness, I regret to inform our members of the passing of **Tom Beattie**, long time ACS member, colleague, mentor, family man, and friend. **Tom** was active both in the San Diego Section (chair, organizer of the annual MedChem Symposium, Chair of the Annual SD-ACS Distinguished Scientist Selection Committee, and many others) and at the national ACS (Senior Chemist Committee, Committee on Economic and Professional Affairs). A more detailed remembrance can be found on page 3 of this newsletter.

On behalf of the Executive Committee of the San Diego Section of the ACS, I wish you a wonderful and safe Thanksgiving.

Jim

James J. Shih, 2021 Chair
San Diego Section of the American Chemical Society
E-mail: jshih@sandiegoacs.org
Web: www.sandiegoacs.org

NON-PROFIT ORGANIZATIONS!

Does your non-profit organization have an upcoming event that might be of interest to members of the ACS – San Diego Section? If so, please send your announcement to our 2021 Chair, **Jim Shih** at jshih@sandiegoacs.org. Once approved, Jim will see that your announcement is published on our website (www.sandiegoacs.org) and, if received by the 20th of the month before the event, in *The San Diego Chemist* newsletter. This is a free service of the ACS – San Diego Section. Take advantage of it!

ATTENTION ADVERTISERS

Did you know that *The San Diego Chemist* is the only monthly e-newsletter that targets chemists and chemical engineers in San Diego and Imperial Counties? As soon as our newsletter is uploaded on www.sandiegoacs.org a separate notification is sent to the **2,500 members** of the ACS-San Diego Section, each potential customer for your products and services! **Quick turnaround:** Ad copy submitted by the 20th of each month will be published by the end of that month.

For more information, please contact: Renate Valois at renate@sandiegoacs.org

THE SAN DIEGO CHEMIST, the official newsletter of the San Diego Section of the American Chemical Society, published on a monthly basis, can be viewed at <http://www.sandiegoacs.org/newsletter/>.

All contents are published at the discretion of the Section's Executive Committee. Events of interest to chemistry professionals in the community may be included in the events calendar as space permits and are subject to editing for brevity. Advertisements and announcements from the chemistry community are accepted at published rates. The deadline for items submitted is **the 20th of the month** for publication by the end of that month.

Advertisers: Ad prices as of January 1, 2015:
Size (w x h) Number of Issues & Price/Issue

	1	3	6
2" x 3"	\$ 75	\$ 68	\$ 58
4.5" x 1.5"	\$ 80	\$ 74	\$ 67
4.5" x 4.75"	\$200	\$184	\$163
8.5" x 5.5"	\$400	\$360	\$310
full page	\$655	\$590	\$510

Discounts will be available for issues not shown. Please send your jpg to:

Renate Valois at renate@sandiegoacs.org.

SECTION E-MAIL LISTSERVER!

Get up-to-the-minute reminders of local events and develop dialogs with your fellow members!

To subscribe to our moderated listserver:

1. Send an e-mail with SUBSCRIBE TO LISTSERVER in the subject line, and your name and e-mail in the body of the message to **Ken Poggenburg** at jkp135@att.net.
2. If you receive a message from the postman, reply to confirm that you wish to be added to the list, otherwise it will not take effect.
3. You will receive reminders approx. 5-7 days prior to upcoming events and messages of general interest to members.
4. To post topics for discussion, or informational items to the listserver members, send the message to sandiego-chemist-l@ucsd.edu.
5. If the moderator approves the post, it will be sent to the members.

NOTE: That is the letter "l", not the number "one" following the word "chemist".

Executive Committee Meeting Dates 2021/2022

6:30– 8:00 PM

Thursday, November	4
Thursday, January	6
Thursday, February	3
Thursday, March	3
Thursday, April	7
Thursday, May	5
Thursday, June	2
Thursday, July	7
Thursday, August	4
Thursday, September	1
Thursday, October	6
Thursday, November	3

Zoom Meetings until further notice

THOMAS R. BEATTIE, PH.D., ACSF

• 1940 – 2021 •

It is with profound sadness that we announce the recent passing of Tom Beattie, long-time ACS member, colleague, and devoted family man.



Tom served as Chair of the ACS-San Diego Section in 1999, the year in which the SDACS received the ChemLuminary Award for Outstanding Section in the Large-Size Category. His work was recognized twice by the Section with their Outstanding Service Award and the Volunteerism Award. Tom was a Councilor in the ACS-San Diego Section, having served in that role for over 20 years. He was Chair of the Annual ACS Distinguished Scientist Selection Committee (24 years), organizer of the full-day Annual San Diego MedChem Symposium (1999-2014), and has managed the Section's "Mad Science" educational programs for 4th-5th graders since 2001. He initiated and led the quarterly seniors-retirees-consultants breakfasts at local restaurants, and was a member of the SDACS Finance Committee.

At the regional level, Tom was the Program Chair of the San Diego Section-sponsored ACS 1995 Western Regional Meeting (which still holds the record as the largest ACS WRM ever!) and was a Technical Program Advisor and Session Chair for the 2007 WRM. In 2011 he was presented with the E. Ann Nalley Western Region Award for Volunteer Service to the ACS. Tom was most recently awarded the 2020 Shirley B. Radding Award by the Silicon Valley Section of the American Chemical Society.

At the national level, Tom led the Senior Silver Circle Working Group (2005-9), leading to creation of the Senior Chemists as a new ACS National Committee, which he then chaired for six years. He also served as a member of the ACS National Local Section Activities Committee, and was Chair of the Local Section Assistance and Development Subcommittee of that Committee.

In 2011, Tom was selected Fellow of the American Chemical Society (ACSF).

Apart from the ACS, Tom spent a 27-year career at the Merck Research Labs in Rahway, NJ, working in early-stage drug discovery. After taking early retirement from Merck in 1993, he came to San Diego and worked at Amylin Pharmaceuticals and IRORI/ChemRx/Discovery Partners. Since 2001 he consulted for many organizations within and outside San Diego, has taught at UCSD, Mesa College, and the University of Kansas, and has served on several advisory boards.

He has authored or coauthored 23 patents and 16 technical publications.

Tom was a postdoctoral Fellow at MIT with Professor George Büchi, working in the area of natural product synthesis, organic photochemistry, and synthetic methods development. He received a Ph.D. degree from the University of Wisconsin-Madison in Physical Organic Chemistry, and a B.S. degree in Chemistry from the University of Pennsylvania.

Tom is survived by his wife, Mary Ann, their daughters Pat Beattie of Kailua, HI, and Kathy Porter of Fanwood, NJ, son Tom Beattie of Old Beth Page, NY, and six grandchildren.

Tom will be sorely missed but not forgotten. Arrangements will be announced when available.

Credits: Bill Szabo, Ken Poggenburg
Photo credit: Bill Szabo



The San Diego Section of the American Chemical Society would like to thank our Corporate Sponsors. Here are a few examples of our annual outreach programs that are made possible by their generous donations:

Mad Science - Stage demonstrations for 4th and 5th graders which make science fun for kids! Last year the program was viewed by over 8000 students in low-income areas and from military families.

ChemExpo - A science event for middle and high school students held in Balboa Park annually for the past 27 years. It features live stage demonstrations and interactive booths that teach kids about applied science. Last year over 1000 local students participated!

EarthFair - We participate in the world's largest free annual environmental fair, held in Balboa Park.

POSTPONED

HPLC 2020 IN SAN DIEGO

Due to the extraordinary circumstances we have all found ourselves in surrounding the coronavirus (COVID-19) pandemic, we are genuinely disappointed to announce that we must postpone the HPLC conference based on CDC guidance and shelter-in-place orders. As the health and safety of all of our participants remains our primary concern, the HPLC conference is postponed and will take place at the same location on **June 18-23, 2022**, at the Town and Country Hotel and Conference Center in San Diego, CA.

ACS-HACH PROGRAMS

Please see <https://www.acs.org/content/acs/en/education/educators/acs-hach-programs.html> for application dates.

About ACS-Hach Programs

The ACS-Hach Programs provide financial support for future and current high school chemistry teachers. [Learn more.](#)

Contact us: Email: hach@acs.org -- Phone: (800) 227-5558 ext. 8178

ACS Webinars™

Welcome to ACS Webinars, your source for online live and on-demand content, created by the American Chemical Society. **Please join us weekly, Thursdays at 2pm ET.**

For more information and upcoming Webinars see: <https://www.acs.org/content/acs/en/acs-webinars.html>

NOVEMBER IN CHEMISTRY

<https://web.lemoyne.edu/~giunta/November.html>

ACS ELECTIONS ARE HERE!

Voting will be done electronically using your email address on record with the ACS. If you wish to receive a paper ballot instead, please call or email **Jackie Trischman**, Election Coordinator, at **858-414-3323** or trischma@csusm.edu, by **Monday, November 2nd**, and leave your name and mailing address. You will be mailed a paper ballot.

If you do not request a paper ballot, you will receive instructions on how to vote via email. Please be sure your email address on file with the ACS is current! To update your e-mail address with the ACS, use www.chemistry.org

EXECUTIVE BOARD CANDIDATES FOR 2022
ACS SAN DIEGO SECTION
CANDIDATE BACKGROUNDS

CHAIR-ELECT
OPEN

SECRETARY
WILLIAM TOLLEY



Bill earned a B.S. and M.S. in Metallurgical Engineering from the University of Utah and a Ph.D. in Inorganic Chemistry from the Brigham Young University. His research focused on the interactions of inorganic compounds with supercritical fluids. This work led to a patent describing novel processing to purify metals using vapor-phase chemistry. In 2008, Bill joined Seacoast Science, Inc., located in Carlsbad, CA, where he currently is Principal Scientist and Production Manager. He led development of the Mini-GC, launched in August 2009, and Go Direct Mini-GC launched in Spring 2020. Previously, he chaired the subgroup to write new alarm certification protocols under UL 2035 - Single Station Gas Detectors, served as Director of Quality Assurance at Quantum Group Inc. in San Diego.

Bill is a member of the American Chemical Society, and has served on the San Diego Executive Committee since 2000, most recently as Secretary. He is a lifetime member of Sigma Xi (The Scientific Research Society). He has authored or coauthored 26 U.S. patents and over 75 journal articles and presentations in chemical sensing, process control and materials production.

TREASURER
DESIREE GRUBISHA

Desiree has worked in Lab QA in Commercial Quality Control at AstraZeneca/Amylin Pharmaceuticals supporting diabetes medicines in the worldwide market. Prior to this, she worked at Amylin Pharmaceuticals in Analytical R&D supporting clinical trial programs for diabetes and severe lipodystrophy. Desiree has been an active volunteer with the San Diego ACS Section since 2004. She has been involved with ChemExpo, YCC and WCC activities, planning committee for the 41st Western Regional Meeting in 2007, and has served on the Public Relations committee. She is currently serving the San Diego Section in the Communications Committee and as a Councilor. Desiree earned a PhD in inorganic chemistry from the University of Wisconsin, Milwaukee, and did postdoctoral research toward novel detection platforms for molecular diagnostics in the Microanalytical Instrumentation Center at Iowa State University. Desiree is employed by Heron Therapeutics.

COUNCILOR
SURYA K. DE



Surya K. De obtained his Ph.D. in Organic Chemistry from Jadavpur University, Kolkata (Calcutta), India. He worked at the University of Washington, (Seattle), Purdue University, (West Lafayette, Indiana) and The Scripps Research Institute prior to joining the Sanford-Burnham Medical Research Institute as a scientist. Currently he is working at Conju-Probe

He has published over 100 papers in reputed international journals, covering a broad array of specialized topics in science, and he holds fifteen United States and international patents. He has published two books. Due to his abundant research contributions in the areas of cancer, metabolic diseases, organic and medicinal chemistry, and neuroscience, he earned the distinction of Fellow of the Royal Society of Chemistry in 2010, and was subsequently awarded the status of Chartered Chemist in 2011.

He has been actively involved in the ACS – San Diego Section since 2007. He worked for more than 10 years at the communication committee.

COUNCILOR
DESIREE GRUBISHA

Desiree has worked in Lab QA in Commercial Quality Control at AstraZeneca/Amylin Pharmaceuticals supporting diabetes medicines in the worldwide market. Prior to this, she worked at Amylin Pharmaceuticals in Analytical R&D supporting clinical trial programs for diabetes and severe lipodystrophy. Desiree has been an active volunteer with the San Diego ACS Section since 2004. She has been involved with ChemExpo, YCC and WCC activities, planning committee for the 41st Western Regional Meeting in 2007, and has served on the Public Relations committee. She is currently serving the San Diego Section in the Communications Committee and as a Councilor. Desiree earned a PhD in inorganic chemistry from the University of Wisconsin, Milwaukee, and did postdoctoral research toward novel detection platforms for molecular diagnostics in the Microanalytical Instrumentation Center at Iowa State University. Desiree is employed by Heron Therapeutics.

COUNCILOR
DAVID WALLACE



David is an experienced medicinal chemist and registered patent agent with over 28 years' experience in the pharmaceutical industry. He is currently director of intellectual property at Biosplice Therapeutics, Inc., a clinical stage drug discovery company focusing on oncology, regenerative medicine and degenerative diseases. He is also founder and president of Wallace Scientific Consulting. WSC provides services to early and clinical stage biotech companies, providing prior art/FTO searches and patent application drafting as well as synthetic and medicinal chemistry expertise in the area of small molecule drug discovery. David was also a Scientific Advisory board member and co-founder of Amalyte, Inc., a Bay area biotech company focusing on the treatment of immune and inflammatory diseases. Amalyte was acquired by Kemin Pharma in 2009. He was previously Principal Scientist at Senomyx, Inc., where he served as

chemistry group leader of a team focused on the discovery of agonists to G-protein coupled taste receptors. Prior to Senomyx, David held senior scientific and leadership positions at Chugai Pharma, USA, where he contributed to several multidisciplinary research programs directed toward discovery of novel therapies for cancer, cardiovascular, inflammatory, and metabolic diseases. He is an inventor or co-inventor on numerous issued or pending patents. David holds a Ph.D. in Organic Chemistry from the University of California, Davis. He has been a member of the ACS for 35 years and is currently a councilor of the San Diego Section and is a past member of the ACS National Committee on Economic and Professional Affairs (CEPA). David is also chair of the chemistry committee for the Sino-American Biotechnology and Pharmaceutical Professional Association (SABPA) in San Diego.

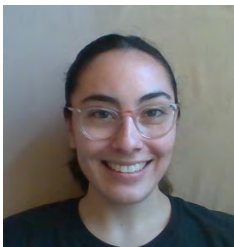
ALTERNATE COUNCILOR
JIM SHI



Jim is a protein chemist at Eli Lilly & Co's Lilly Biotechnology Center - San Diego. In the past 27 years he has worked in protein chemistry and analytical chemistry in companies including Ligand Pharmaceuticals, Amgen, and Quidel Corporation. A volunteer with the San Diego Section since 2007, he has chaired the picnic and nomination committees in the past years, and is currently the chair of the Section. Jim received both his B.A. and M.S in biology (parasite biochemistry) from University of California at Riverside.

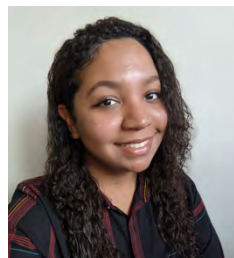
ALTERNATE COUNCILOR
OPEN

MEMBER-AT-LARGE
LEEZA GUTIERREZ RAMIRE



Leeza is a rising junior bioengineering student at Southwestern College. She has been a member of the ACS for the past year and served as a Vice President of the Southwestern College Student Affiliate Chapter. Leeza has also served on the Alpha Pi Epsilon's membership committee since 2020, where she coordinated the chapter's collaborations with nonprofits and volunteer opportunities. This summer, Leeza interned in the Yankowitz Lab at the University of Washington investigating transport properties of 2D materials including tri-layered graphene. If elected, Leeza aspires to use her strategic and creative talents to help attract new, diverse members to the local section and reach out to younger generations. In her spare time, Leeza enjoys Mexican folk dancing, and spending time with family and friends.

MEMBER-AT-LARGE
CHRISTINA VIALVA



Christina is a junior-level chemistry major attending Southwestern College. She seeks your vote to become a member-at-large for the ACS San Diego Local Section to fulfill her intentions of providing a voice for younger chemists in the community college system. As the current vice president of the Student Affiliate Chapter at Southwestern College, Christina consistently aims to foster an environment of learning and discovery in the chemical sciences, as well as promote a sense of community among undergraduate STEM students. Given her current position as a Student Affiliate officer, she hopes to use her new position in the Local Section to enact synergy between our section's talented professional base and those who are just embarking on their chemistry journey. She currently works as a Math Engineering Science Achievement (MESA) tutor specializing in chemistry, and is a recipient of a National Science Foundation (NSF) S-STEM scholarship. For the past two years, she has worked on computational research concerning the optimization of beer-brewing techniques by use of artificial neural networks under Dr. David Hecht. Christina was also selected to participate in a summer REU at the Center for Sustainable Nanotechnology (CSN) and at the University of Wisconsin-Madison, to study quantum dot exposure in biological systems under Dr. Denise N. Williams-Harris.

MEMBER-AT-LARGE
SEAN ANDERSON



Sean earned a B.S. and Ph.D. in Chemical Engineering from the University of California, Los Angeles. As a graduate student, Sean created heparin nanoparticles that were later shown to regrow functional brain tissue after stroke in a mouse model - the first instance of such an occurrence. He has worked in many aspects of the biopharma business including research and development, product development, process development, analytical development, manufacturing, quality, and business development. In these roles, he participated in projects that cover a wide range of therapeutic modalities including monoclonal antibodies, plasma-derived protein therapeutics, cell/tissue therapy, DNA sequencing, immunotherapy, diagnostics, brain biosensors, and skin care. Currently, Sean is an application engineer for the biopharma business unit of the separation and purification division of 3M, covering southern California client biotech companies.

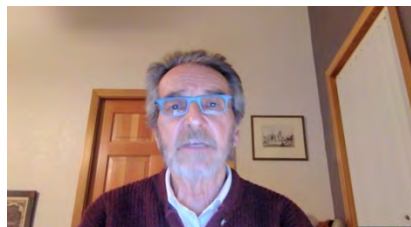
**VOTE
BY
NOVEMBER 25**

It Is Up to Us

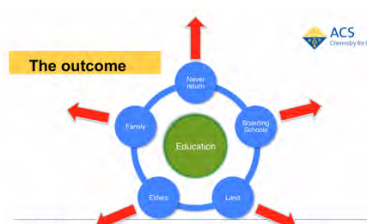
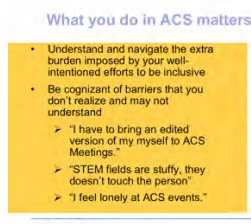
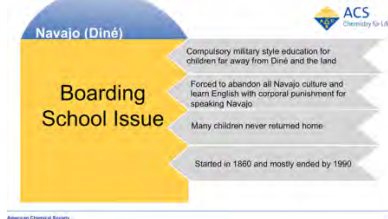
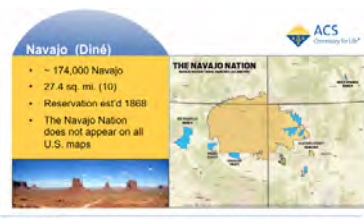
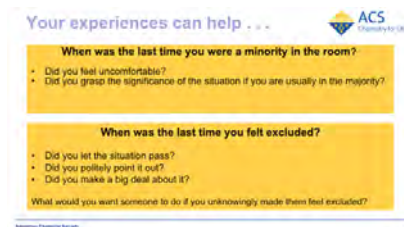
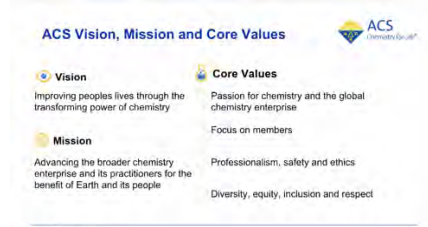
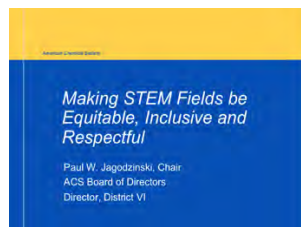
Paul Jagodzinski, Ph.D.

**College of Engineering, Forestry & Natural Sciences, Northern Arizona University, Flagstaff
October 13, 2021**

Professor Paul Jagodzinski started his virtual presentation to twenty members of the San Diego Section by giving a brief overview of the structure and membership of the American Chemical Society. He went on to discuss the five goals of the ACS with emphasis on the fifth goal, embrace and advance inclusion in chemistry. He then stressed that members of the Society must work to ensure the future of the Society and our society. He explained that institutional initiatives will not be sufficient and member involvement is crucial to making STEM fields more equitable, inclusive, and respectful. He urged attendees to be more inclusive in their meetings and conversations. He advised people to become and ally and not a savior for individuals from under-represented groups. Paul then went on to describe the importance of family and respect for the earth in the lives of Navajo Indians. He reviewed the past efforts to give Navajo's a formal education and the conflicts they face on obtaining a college degree. He urged the attendees to become involved in encouraging people from under-represented groups. The tape of this thought-provoking talk can be seen by contacting jshih@sandiegoacs.org.



Paul Jagodzinski



Text: Valerie Kuck
Photo credit: Jim Shih

**SUMMARY OF THE SAN DIEGO ACS SECTION
EXECUTIVE COMMITTEE TELECONFERENCE
October 7, 2021**

Sept. Executive Committee Minutes – **Approved with edit**

Nomination and elections – Still no candidate for chair-elect

Year-End Section Meeting – Targeting Dec. 2, conflicts with both Butcher Shop and 94th Aero Squadron; possibility of Venissimo to deliver food selections to registered participants in lieu of in-person dinner meeting

IPG Grant – Seminar on glass artistry on hold owing to presenter affected by COVID; postpone seminar until Jan / Feb. 2022

National Chemistry Week – National is advertising ChemClash, an on-line game show as a possible NCW activity

Monthly Seminars future -- Oct 13: Prof. Paul Jagodzinski: Making STEM Fields Equitable, Inclusive, and Respectful with particular emphasis on conflict between Native American culture and current views in STEM

Monthly Seminars review -- Sept. seminars: Professor Mary Virginia Orna – Nobel Prize Ladies in Waiting, 50 in attendance, Oscar Vazquez-Mena – topic: NanoMaterials, included good discussion of chemistry, about 30 attendees

Spring National Meeting – Suggestion to collate list of local members presenting at National Meeting to be held in San Diego; no contact from National regarding Section participation

Treasurer's Report – Expenses: administrative expenses: phone, storage, Newsletter preparation; two awards announced but no monies received to this point; continuing issue with unrecognized donations to Square account; Vanguard account down slightly

Next meeting: Nov. 4

**CHEMISTRY FOR YOU AND YOUR KIDS
*Racin' Raisins!***

Challenge your adult partner to the Carbon Dioxide Raisin Rally Championship!

You Will Need

Eye protection, Raisins, clear soda, 2 clear plastic cups (8 oz)

1. You and your adult partner should each fill a clear plastic cup about 3/4 full of soda. Place 3 raisins in the soda in each cup. Observe the raisins closely. After sinking to the bottom, the raisins should soon get bubbles on them, lifting them to the surface. Some of the bubbles should break, causing the raisins to sink again.
2. You and your adult partner should observe your raisins for a minute or two. Each of you should choose the raisin that floated to the top of your cup most often. This is your prize raisin! What qualities does your prize raisin have that you think made it go up and down better than the others?
3. Remove the raisins from the cups and save your prize raisin. Put one cup away and place the other cup in the middle as the ***Raisin Challenge Cup!*** When you say "GO!" you and your adult partner should place your prize raisins in the challenge cup. The raisin that gets to the surface the most times in two minutes WINS! ***GOOD LUCK!***
4. Look at the winning raisin closely. Do you think there is anything you could do to your raisin or a new raisin that would improve its chances for victory? You and your adult partner should each pick a new raisin. Mold, dent, cut, or change your raisin in a way that you think will help. Have another Raisin Challenge Cup!

Excerpt: "The Best of WonderScience," pg. 173, Delmar Publishers, 1997

Chemployment 802

POSITION TITLE:

Senior Process Development Engineer

JOB DESCRIPTION:

Hydrova is forging a new industry standard in clean energy and industrial waste processing. Hydrova's solution is a novel chemical process that repurposes industrial waste while producing green hydrogen. We are looking for an engineer to help design and construct a scaled-up chemical process system including a prototype reactor. If you are looking for an opportunity to get in at the ground floor of a startup developing cutting-edge technology, Hydrova is for you. Join this energetic, mission-driven startup to become an integral part of the team and help commercialize a technology that will transform heavy industry.

Hydrova seeks a chemical engineering professional to join our core team and spearhead process commercialization. The successful candidate will work directly with the CTO to help design, assemble, and install Hydrova's first-of-a-kind chemical process demonstration prototype, then transition to demonstration prototype testing and operation.

QUALIFICATIONS DESIRED:

- BS or MS in Chemical Engineering or related field
- Minimum 3 years of experience in the waste treatment, petrochemical, chemical, industrial gas, metallurgical, pulp and paper, or related industry
- Relevant experience in chemical process design, optimization, and scale up
- Relevant experience with process control for batch and continuous processes
- Well versed in typical chemical process engineering deliverables, i.e., process flow diagrams, piping and instrumentation diagrams, heat and mass balances, datasheets and specifications
- Relevant experience maintaining schedules and budgets of third-party engineering firms
- Experience working in a startup environment (a plus/preferred)
- Experience with process hazard analyses (PHA, HAZOP, LOPA) (a plus/preferred)
- Experience with interpretation and application of Codes and Standards such as ASME, ISA and NFPA (a plus/preferred)
- Professional Engineer Certification (a plus/preferred)

Personal Characteristics:

- Dedicated to safety
- Internally motivated with a strong work ethic
- Able to transition between working closely with a small team and self-directing
- Organized and effective task management
- Data-driven and effective decision maker
- Innovative and flexible
- Thrives in an ever-changing environment

DESCRIPTION OF COMPANY:

Hydrova is an MIT-funded cleantech startup based in San Diego, CA developing an innovative technology that repurposes industrial waste while producing green hydrogen. Founded by Mechanical Engineering, Management, and Physics graduates from MIT and Georgetown, Hydrova was established in early 2020 with the mission of fighting climate change by using low-cost green hydrogen to decarbonize heavy industry. The Hydrova team has developed a patent-pending process that has been proven in lab, has generated commercial interest, and is now working to scale up its technology.

APPLICATION INSTRUCTIONS:

Please apply at: hydrovatech.com/careers

COMPANY PROFILE



Hydrova: Diverting Waste, Preventing Emissions

Hydrova is a cleantech startup located in San Diego, CA, developing an innovative technology that can repurpose industrial waste while producing green hydrogen.

Hydrova's core team is made of Mechanical Engineering, Management, and Physics graduates from two of the world's leading research institutions, MIT and Georgetown, bolstered by decades of industry experience and engineering PhDs held by leading minds in the cleantech space.


Please see: hydrovatech.com for more information.


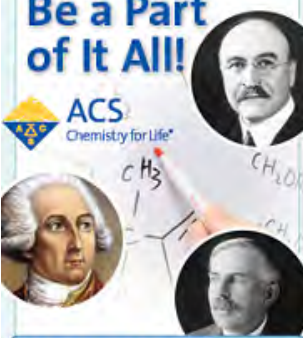
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2021 ACS REGIONAL MEETINGS
 SERMACS 2021 sermacs2021.org/ November 10-13 Birmingham, AL


LOOKING FOR A CHEMIST?
CHEMPLOYMENT IS THE ANSWER!
THE SAN DIEGO CHEMIST
 is read by nearly 3000 chemists and biochemists in San Diego and Imperial Counties.
 A two-month ad costs only \$80
 For information contact: **Renate Valois** – renate@sandiegoacs.org

Savings of Up To 45% With the ACS Member Shipping Program!

 The [ACS Member Shipping Program](#) provides special discounts for U.S.-based ACS Members to save on shipping for every FedEx® package sent or received. Managed by [PartnerShip](#), this free program provides discounts of up to 45% off list rates for FedEx Express and up to 25% off FedEx Ground shipping. Enjoy these savings on your shipping needs, from small packages up to large freight. There are no minimum usage requirements or obligations. Whether you use the program a little or a lot, your ACS membership qualifies you to [enroll and start saving today!](#)

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 Chemistry for Life®

RENEW TODAY!

ATTENTION COMPANIES!
Do you hire student workers?

If you have open positions in chemistry and biochemistry that would be of interest to college students, such as summer internship opportunities, here is a list of contacts you'll want to keep handy. The people listed below are the faculty advisors of the ACS Student Affiliate groups for all chemistry programs in San Diego County. These professors can get the word out to all chemistry and biochemistry majors at their schools about jobs, career fairs, open houses, etc.

California State University, San Marcos

Jacqueline Trischman
trischma@csusm.edu
 760-750-4206

Point Loma Nazarene University

Sara Choung
SaraChoung@PointLoma.edu
 619-849-2627

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YOUR AD HERE

Your ad in the next issue of

THE SAN DIEGO CHEMIST

For information contact:

Renate Valois –
renate@sandiegoacs.org

Western Regional Meeting - 2022

American Chemical Society - Southern Nevada Section

EMPOWER CHEMISTS FOR A BETTER TOMORROW



Western Regional Meeting (WRM) Information

WRM 2022 - *Empower Chemists For A Better Tomorrow*

- October 19-22, 2022
- Convention Center @ Flamingo Hotel & Casino, Las Vegas, Nevada
- Contact: [Dr. Rampur Viswanath](#)

Technical Sessions And Symposia

- Special Invited Speaker: Dr. H.N. Cheng, ACS President
- Keynote Speaker: Professor Stephen L. Buchwald, MIT
- Innovating Organometallics
- Radiochemical Separations for Nuclear Forensics and Nuclear Medicine
- Wearable Sensors/Chemistry
- Water and Waste Pollution Investigations and Treatment Management
- Recent Breakthroughs in Organic Chemistry
- Novel Applications in Mass Spectrometry
- Advances in Medicinal Chemistry

Exposition Area

- Selected Vendors
- Interactive Poster Display and Contests
- Latest Analytical Instrumentation and Data Acquisition Tools
- *Details in the next update*

Opportunities

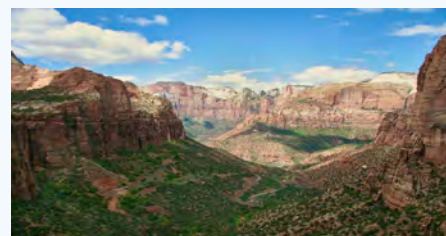
- Mentoring and Networking
- Sci-Social Mixers
- Gain Access to Contemporary Research
- Planned Local Tours of Scientific Interests
- World Class Entertainment & Fine Dining
- And Much, Much More!

Places of Interest

University of Nevada, Las Vegas



Zion National Park



Hoover Dam



Red Rock Canyon



Atomic Testing Museum



UPCOMING EVENTS

HOLIDAY PARTY
Thursday, December 2, 2021

THE 68th ANNUAL GREATER SAN DIEGO SCIENCE AND ENGINEERING FAIR
Balboa Park Activity Center (2145 Park Blvd.)
For information please see <http://www.qsdsef.org/>
Wednesday, March 16, 2022, Judging Day

263rd ACS National Meeting & Exposition
March 20-24, 2022
San Diego, California

EARTH DAY - EARTHFAIR 2022
Balboa Park, San Diego, CA
<http://www.earthdayweb.org/>
Sunday, April 24, 2022

264th ACS National Meeting & Exposition
August 21-25, 2022
Chicago, Illinois

THE SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY

WELCOMES ITS NEW MEMBERS

Nikita Chekshin
Vicky Chen
Michael Chin
Tim Cholko
Mitchell Christy
Jonathan Galicia
Walter Gutierrez
Karl Hanold
Zhaoying He
Pace Hernandez
Giorgi Jijieshvili
Scott Johnson

Janghoon Lee
Nick Manesis
Paul Montanez
Colman Moore
Margaret Moran
Gabrielle Sanchez
Alexander Schriewer
Carli Underhill
Andrea Vallejo
Francois Vermersch
Madison Wagner
Savannah Wallis

**2021 EXECUTIVE COMMITTEE & COMMITTEE MEMBERS
SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY**

EXECUTIVE COMMITTEE

<i>Chair</i>	Jim Shih, Eli Lilly & Co, jshih@sandiegoacs.org	(2021)	626-826-3561
<i>Past Chair</i>	James Caldwell, Accelagen, Inc., jcaldwell@sandiegoacs.org	(2021)	815-262-9697
<i>Chair-Elect</i>	Juan P. Gonzalez-Gonzalez, Southwestern College, jpgg@sandiegoacs.org	(2021)	619-813-8520
<i>Secretary</i>	William Tolley, Seacoast Science, Inc., b_tolley@juno.com	(2021)	858-780-0978
<i>Treasurer</i>	Desiree Grubisha, Heron Therapeutics, desgrubisha@gmail.com	(2021)	858-254-5497
<i>Councilors</i>			
	Hui Cai, WuXi AppTec	(2022)	858-361-8838
	Desiree Grubisha, Heron Therapeutics	(2021)	858-254-5497
	Valerie Kuck	(2023)	973-744-5510
	Jackie Trischman, CSUSM	(2022)	858-414-3323
	David Wallace, Wallace Scientific Consulting	(2021)	858-638-1866
<i>Alternate Councilors</i>			
	Surya K. De, Supra Sciences, Inc.	(2022)	858-337-4961
	Julann Miller, Waters Corporation	(2023)	800-252-4752 x6802
	Ken Poggenburg	(2022)	760-635-2573
	Ben Pratt, Pratt Pharma Consulting LLC	(2022)	858-945-7893
	Shannon Woodruff, HP Inc.	(2023)	949-735-9021
<i>Members-at-Large</i>			
	James O'Brien, TE Connectivity	(2023)	858-336-0654
	Bill Szabo	(2022)	858-550-0306
	Joann Um, Southwestern College	(2022)	510-823-8637

STANDING & SPECIAL COMMITTEES

<i>Awards Nomination Committee</i>			
	Valerie Kuck (Co-Chair)		973-744-5510
<i>ChemExpo</i>			
	Jackie Trischman, CSUSM		858-414-3323
<i>Communications Committee</i>			
	Surya K. De, Supra Sciences, Inc.		858-337-4961
	Desiree Grubisha, Heron Therapeutics		858-254-5497
	Ken Poggenburg		760-635-2573
	Renate Valois (Newsletter Editor)		619-692-0638
	David Wallace, Wallace Scientific Consulting		858-638-1866
<i>Distinguished Scientist Awards Nomination Committee</i>			
	Chair OPEN		
	Tammy Dwyer USD		619-260-4030
	Barbara Sawrey		858-729-0689
	David Wallace, Wallace Scientific Consulting		858-204-5412
<i>Education Committee</i>			
	Joann Um (Chair), Southwestern College		510-823-8637
	Valerie Kuck		973-744-5510
	Joan Schellinger, USD		619-260-7960
<i>EarthFair</i>			
	James Caldwell, Accelagen, Inc.		815-262-9697
<i>Finance Committee</i>			
	Bill Szabo (Chair)		858-550-0306
	James Caldwell, Accelagen, Inc.		815-262-9697
<i>Fundraising Committee</i>			
	OPEN		
<i>Government Affairs Committee</i>			
	Hui Cai, WuXi AppTec (Chair)		858-361-8838
	Ken Poggenburg		760-635-2573
<i>Law Committee</i>			
	Ryan C. Smith, Duane Morris LLP		619-744-2220
<i>Mad Science Program</i>			
	OPEN		
<i>MedChem Symposium</i>			
	Ben Pratt (Co-Chair), Pratt Pharma Consulting LLC		858-945-7893
	Mark Tichenor (Co-Chair), Janssen Pharmaceuticals, Inc.		858-334-8914
	David Wallace (Co-Chair), Wallace Scientific Consulting		858-638-1866
<i>Membership Committee</i>			
	OPEN		
<i>Nominations Committee</i>			
	OPEN		
<i>Outreach Committee</i>			
	Kevin McCowen, Wyatt Technology		(801) 719-0511
	Julann Miller, Waters Corporation		800-252-4752 x6802
<i>Picnic Committee</i>			
	James Caldwell (Chair), Accelagen, Inc.		815-262-9697
	Jim Shih, Eli Lilly & Co.		626-826-3561
<i>Professional Development Committee</i>			
	Valerie Kuck		973-744-5510
<i>Public Relations Committee</i>			
	OPEN		
<i>Senior Chemists Committee</i>			
	Ken Poggenburg (Chair)		760-635-2573
<i>Seniors Breakfasts</i>			
	OPEN		
<i>Women Chemists Committee</i>			
	Valerie Kuck		973-744-5510
<i>Younger Chemists Committee</i>			
	Kristen Counsell, Drawbridge		319-830-3097
	Christopher Fisher, CG Life,		860-455-5297
	Alexander Rovira, Janssen Research and Development		858-784-3013
	Brittany P. Witherspoon, Janssen Research and Development		619-373-2436
<i>Voice Mail – San Diego Section</i>			619-687-5570