

SILICON VALLEY CHEMIST

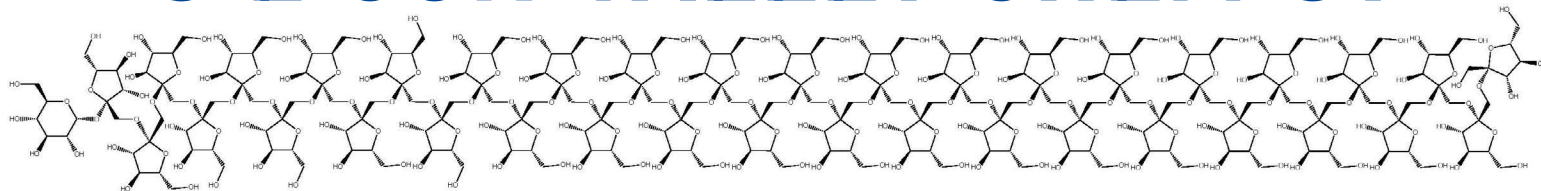


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ACS Silicon Valley Webinar From Plant Scents to Perfumes

Margareta (Greti) Séquin, Ph.D.

Thursday, November 12, 6:00-7:30pm, Free, [Registration required](#)

Abstract:

Plant scents from flowers, fruits, leaves, or tree barks are composed of complex mixtures of volatile organic compounds. People have used these fragrant mixtures since ancient times to produce lotions, oils and perfumes. While contemporary perfumes and other scented products consist, to a large extent, of synthetic materials, the inspiration for their components came mostly from natural compounds. In this presentation, we'll look at the compositions of some familiar plant scents, including their functions, and at typical structures of some of

the compounds that compose them. From plant scents, we'll continue to fragrances and products that people today use in their daily lives, such as shampoos, soaps, or expensive perfumes. This will include a look at synthetic compounds and mixtures that are used nowadays.

Biography:

Margareta (Greti) Séquin has a Ph. D. in organic chemistry from the University of Basel in Switzerland, did postdoctoral work at Princeton University and at the Technical University of Munich, and has taught organic chemistry at Dominican University and at San Francisco State University for more than thirty years. She has been giving many presentations on plant chemistry topics at botanical gardens and science centers. As an active member of the ACS California Section she participates in public events with hands-on activities on plant chemistry for general audiences. Because of her great interest in plants



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Chair's Message

Matt Greaney



Greetings! I hope this message finds you well. Despite pandemic-related restrictions limiting most social interactions to virtual-only formats, October was a busy month. The Nobel Prize in Chemistry was awarded, ACS National elections were held, and the first COVID-19 drug treatment received approval for use in the EU and US (under admittedly questionable circumstances). SVACS elections opened (October 24 – November 15; be sure to cast your vote!), several SVACS events were held, and we were informed that SVACS is in the finalist pool for seven ChemLuminary Awards for our 2019 activities! See pages 3 and 7.

The 2020 Nobel Prize in Chemistry went to Profs. Jennifer Doudna and Emmanuelle Charpentier for their work developing CRISPR gene editing

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UPCOMING EVENTS

- Nov 10** **Changing the Culture of Chemistry: Race and Diversity in the Lab**
Webinar sponsored by ACS Publications
8:00-9:00am, online via Zoom, Free, [Registration required](#)
- How to Recognize and Respond to Microaggressions**
Webinar Sponsored by the American Chemical Society
11:00am-Noon, Free, [Registration required](#)
- How Science Unlocks Copper's Hidden Powers – Public Lecture**
Diana Gamzina
Webinar sponsored by SLAC National Accelerator Laboratory
5:00-6:30pm, online via Zoom, Free, [More details](#)
- Nov 11** **Science of Synthesis 20th Anniversary Virtual Symposium in Honor of Prof. Barry Trost**
Sponsored by Thieme
9:00am-Noon, online via Zoom, Free, [Registration required](#)

continued on next page

From Plant Scents to Perfumes, continued from front page

she has been a long-time docent at the [Regional Parks Botanic Garden](#) in Berkeley, CA ([more information about this park](#)). Margareta is the author of the books [The Chemistry of Plants: Perfumes, Pigments, and Poisons](#) and [The Chemistry of Plants and Insects: Plants, Bugs, and Molecules](#), published by RSC, Cambridge, UK.

Chair's Message, continued from front page

technology. This was a truly remarkable announcement for a couple of reasons. Their recognized work is less than a decade old and this is the first time that an all-women team of chemists was recognized with the Nobel Prize in Chemistry. That said, the CRISPR-Cas9 technology has had an immediate, far-reaching societal impact that figures to continue to change the way we understand and treat diseases. See page 3.

The FDA granted approval for Gilead's Remdesivir to be used as the first FDA-approved COVID-19 treatment drug (not vaccine!). A couple of weeks before the FDA's announcement, Gilead reached an agreement with the EU to supply the bloc with Remdesivir in a deal potentially worth over \$1 billion. Both decisions came after a series of clinical trials, but a great deal of skepticism and questions remain about how these decisions were actually made. The process was less than transparent. While we all applaud the progress towards developing safe and effective COVID treatments and vaccines, good science should remain the ultimate deciding factor on how to move forward. [Read more](#) about this situation. Remdesivir's mode of action will be discussed at the November 17 Bay Area ACS COMP Together event. See the Upcoming Events column.

November is the time each year when both local and National ACS elections are held. While the idea of elections often brings up feelings of angst, anger, and partisanship, ACS elections tend to be very civil and tame. What a relief. The results of the 2020 ACS National election are just in: Angela K. Wilson is the 2021 ACS President-Elect having garnered 9,131 votes. The John A. Hannah Distinguished Professor of Chemistry at Michigan State University won the race against Prof. Mary K. Carroll who received 5,935 votes. The two candidates, who were both fully qualified for the position, ran refreshingly respectable campaigns. Prof. Wilson will serve as the 2021 ACS President-Elect, the 2022 ACS President, and the 2023 ACS Immediate Past President; she will also serve on the Board of Directors from 2021 to 2023. Congratulations ACS President-Elect Wilson! You can [read more](#) about the ACS elections.

The SVACS local elections are still ongoing. SVACS members should have received an email with ballot information on or around October 24. The elections will remain open until November 15, so please cast your ballot!

I'd like to take a moment to acknowledge SVACS Chair-Elect Jigisha Shah and Councilor Natalie McClure. Both have been extremely active in organizing local section events that are compatible with the current environment. Natalie spearheaded an October collaboration with the Redwood City Library to carry out hands-on and virtual scientific events in a month-long series known as STEAM at the Library. These weekly events involved distributing at-home kits of science experiment supplies during the week followed by a 1-hour Saturday session in which participants were guided on Zoom by 1-2 volunteer "instructors". Over the course of a month of October Saturdays, they carried out experiments in sustainability, energy, marine chemistry, adhesion, and forensics. It was a huge success, reaching dozens of students and their families.

Chair-Elect Jigisha Shah was active in October organizing joint events with sister societies including the screening of the documentary *Picture a Scientist* and a virtual tour of the Silicon Valley Advanced Water Purification Center. She has also set up webinars for November and December: *From Plant Scents to Perfumes*, Nov. 12, and *Art as Evidence: The Technical Study and Scientific Examination of Works of Art at The Getty*, Dec. 10. Check out the Upcoming

UPCOMING EVENTS (continued)

- Nov 11** **Green & Sustainable Chemistry Module Development Initiative: Developer Teams & Systems Thinking** ([Learn more](#))
Webinar sponsored by the ACS Green Chemistry Institute
Noon-1pm, online via Zoom, Free, [Registration required](#)
- Nov 12** **Chemistry and the Economy: 2021 Outlook**
Webinar Sponsored by the American Chemical Society
11:00am-Noon, Free, [Registration required](#)
- Nov 12** **From Plant Scents to Perfumes**
Dr. Margareta (Greti) Séquin
Webinar sponsored by the ACS Silicon Valley Section
6:00-7:30pm, online via Zoom, Free, [Registration required](#)
- Nov 17** **Here Comes the Sun: Advances in Solar Power**
Webinar Sponsored by the American Chemical Society
10:00am-11:00am, Free, [Registration required](#)
- Nov 17** **Fabrication of Functionally-graded Biopolymer-based Scaffolds for Tissue Engineering Applications Using Adapted Polymer Processing Methods**
Prof. Dilhan M. Kalyon
Webinar sponsored by the Golden Gate Polymer Forum (GGPF)
5:30-7:00pm, online via Zoom, Free/\$5 donation, [Registration required](#)
- Nov 17** **Small molecule drug discovery presentations, including Dr. Jason Perry (Gilead) on the MOA of Remdesivir**
ACS Bay Area COMP Together
6:00pm, online via Zoom, [Registration required](#)
- Nov 18** **Improving Stormwater and Wastewater Removal of Contaminants Using Low-Cost Composites**
Prof. Jessica Ray
Sponsored by the ACS California and Puget Sound Sections
5:00-6:30pm, Online Zoom Event, Free, [Registration required](#)
- Nov 19** **Mitigating Drug-Induced Liver Injury**
Webinar Sponsored by the American Chemical Society
10:00am-11:00am, Free, [Registration required](#)
- Nov 21** **ACS Industry Career Day**
Virtual workshop sponsored by the American Chemical Society
8:00-10:30am, Free to ACS Members, [Registration required](#)
- Dec 9** **22nd Annual ChemLuminary Awards Virtual Ceremony**
Hosted by the American Chemical Society
1pm, Virtual event, Free, [Virtual Ceremony Registration](#)
- Dec 10** **Art as Evidence: The technical study and scientific examination of works of art at the Getty**
Karen Trentelman, Getty Conservation Institute
Webinar sponsored by the ACS Silicon Valley Section
6:00-8:00pm, online via Zoom, Free, [Registration required](#)

Events column in this newsletter and the SVACS website for more info.

I hope you can participate in some of these upcoming virtual events, and I am excited for the day that we can get back together in person for a local event. Until then, we'll continue the efforts to put together virtual programming that is relevant and of interest to the greater membership and the community. As always, please do not hesitate to reach out to myself or any members of your SVACS Executive Committee with questions, comments, or suggestions. Take care, and I wish you all a happy start to the holiday season.

Matt Greaney

2020 SVACS Chair

2020-2022 SVACS Councilor

ACS Committee on Economic and Professional Affairs member

CONGRATULATIONS TO THE WINNERS OF THE 2020 Nobel Prize in Chemistry



Emmanuelle
Charpentier



Jennifer A.
Doudna

The Nobel Prize in Chemistry 2020 Goes to Emmanuelle Charpentier and Jennifer A. Doudna

Below is an excerpt from an article written by Jesse Stanchak that was published in ACS Axial on October 7, 2020.

"This year's Nobel Prize in Chemistry was awarded to Emmanuelle Charpentier and Jennifer A. Doudna for their development of the CRISPR/Cas9 method for genome editing.

As C&EN *notes*, "CRISPR has been a boon for biologists who use the molecular scissors to probe the code of life in fundamental science experiments. But researchers have wasted no time in applying the tool to *agriculture* and human health. Several groups are using CRISPR to change the DNA of livestock and crops. Others are using CRISPR as the basis of one-time therapies that could potentially offer cures to genetic diseases like *sickle cell disease* and muscular dystrophy. CRISPR has even been used to make simple *diagnostic tests* during the coronavirus pandemic."

"Today's Nobel Prize in Chemistry recognizes CRISPR-Cas9, a super-selective and precise gene-editing tool where chemistry plays an incredibly important role," said ACS President Luis Echegoyen. "This discovery, originally derived from a natural defense mechanism in bacteria against viruses, will have untold applications in treating and curing genetic diseases and fighting cancer, as well as impacts on agricultural and other areas. The future for this technique is indeed bright and promising."

This year marks the first time the prize has been jointly awarded to two women. Charpentier and Doudna are just the sixth and seventh women in history to receive the Nobel Prize in Chemistry."

[Read full article](#)

How AI is powering a more helpful Google

A recent [Google Blog article](#) covered new enhancements in AI that have been incorporated into the Google search engine to make it easier for you to find just what you're looking for. Improvements include understanding and fixing misspelled words; being able to index individual passages from pages; understanding and grouping content by subtopic for broad searches; identifying and tagging key moments in videos; linking large, common datasets to make statistical data more accessible and comprehensible; launching a new tool called Pinpoint to help journalists quickly sift through large numbers of documents to locate frequently mentioned people, organizations, and locations; searching what you see and exploring information in 3D; finding a song by humming it; and having live info for street view in Google Maps as well as Covid-19 safety information on Business Profiles so you can more easily social distance and understand what safety steps a business requires of customers. We reported in the [June 2020](#)

[SVACS newsletter](#) (page 4) how to use chemical structures to search Google.

22nd Annual ChemLuminary Awards Virtual Ceremony

Please Join Us: Wednesday, December 9, 2020 at 1:00pm Pacific Time



The 22nd Annual ChemLuminary Awards ceremony will be held virtually and will include a keynote address by Janet L. Bryant, recipient of the 2020 Award for Volunteer Service to the American Chemical Society, and the presentations of awards given by 23 committees of the Society will follow.

The Silicon Valley Local ACS Section has been selected as a finalist for the following ChemLuminary Awards for activities held in 2019:

- Outstanding Local Section Career Program

Pistoia Alliance Chemical Safety Library



The use of dangerous chemicals in the laboratory puts researchers at increased risk of injury - even death. To protect from these risks, it is critical that hazardous reaction incident information is shared widely, across the global research community.

The [Pistoia Alliance Chemical Safety Library \(CSL\)](#), a searchable repository of crowd-sourced chemical safety incident information, was launched on a new open access platform developed and hosted by CAS, a division of the American Chemical Society.

This new platform supports laboratory safety by providing tools to:

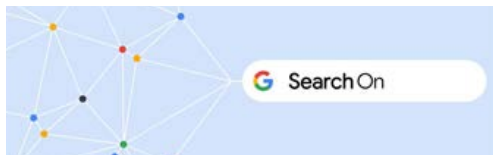
- Search for submitted hazardous reaction information by CAS Registry Number, chemical name, SMILES, InChI, and more.
- Contribute new hazardous reaction incident information to the library.
- Download aggregated information to integrate with internal workflows and knowledge bases.

We hope that you will use this resource, make others aware of it and, when possible, contribute your experiences with the goal of improving the safety of the chemical research community as a whole, helping avoidable laboratory accidents every day.

- Outstanding New Local Section Younger Chemists Committee
- Best Activity or Program Highlighting ACS Change Drivers or Strategic Planning
- Outstanding Local Section Industry Event
- Outstanding Performance by a Local Section (Large Size)
- Membership Affairs Committee Industry Engagement & Outreach
- Best New Senior Chemists Activity within a Local Section

Award-winning Local Sections, Technical Divisions, International Chapters, and Regional Meetings will receive a \$500 cash prize and a ChemLuminary award plaque that will be shipped immediately following the ceremony.

Registration is complimentary. Attendees will receive an access code to enter the event. [Virtual ceremony registration](#)



ACS Industry Career Day



ACS Industry Career Day, an interactive career advancement workshop and networking event on Saturday, November 21, 8:00am – 10:30am Pacific Time. Free to ACS Members. [Register](#)

Not an ACS Member? Join ACS during the event for a 50% special discount.

ACS Career Services and Industry Member Programs are pleased to present a special panel discussion featuring prominent younger chemists. This panel will explore topics such as transitioning from academia to a career in industry, building non-technical skills and more. Attendees will also have the opportunity to ask panelists questions regarding their careers.

Following the panel, join ACS Career Consultants and fellow event attendees for small networking breakout sessions. These group discussions will allow attendees the opportunity to ask a certified ACS Career Consultant any career-related questions they may have and network with industry peers.

Career Panel Discussion featuring:

- **Manibarsha Goswami**, Senior Chemist, DuPont Electronics & Imaging
- **Rachel Harris**, Research Chemist, PPG
- **Tejas Shah**, Crop Protection Discovery Chemist, Corteva
- **James Walker**, Senior Research Specialist, Dow

Event Agenda

8:00am Career panel with young industry professionals

9:30am Interactive networking breakout sessions led by ACS Career Consultants

10:30am Closing remarks

ACS Green Chemistry Institute Opportunity for Chemistry Educators



ACS Green Chemistry Institute has initiated a **three-year project** to provide high-quality free resources to educators interested in incorporating green and sustainable chemistry into their undergraduate courses. Their goal is to better prepare the next generation of chemists to tackle grand sustainability challenges.

They are currently seeking chemistry educators who may be interested in joining a team to develop and pilot these modules for undergraduate general and organic chemistry courses. Module developers will receive compensation!

Note: The deadline for applications is November 20, 2020.

Additionally, the ACS Green Chemistry Institute is offering a webinar on Wednesday, November 11 at 3pm EST to provide more information about the module development initiative. To register for this webinar, [please sign up here](#).

Changing the Culture of Chemistry:

Race and Diversity in the Lab

The information below is an excerpt from *ACS Axial article* published on October 30, 2020.

“An organization’s culture defines how it approaches problems in the workplace. Whether you’re the head of your own lab or a graduate student, workplace culture is something everyone can influence every time they go to work. That’s why ACS Publications is leading a series of free webinars on the ways chemists can improve their lab’s culture and make their workplace increasingly diverse, safe, and sustainable.

The first free webinar in our Changing the Culture of Chemistry series is dedicated to discussing Race and Diversity in the Lab. Attendees will hear from prominent chemists who are outspoken advocates for increased racial diversity, inclusion, and respect in the lab. Speakers will discuss their own experiences and the ways all chemists can work to improve their lab’s culture. This free one-hour program will end with a moderated discussion and an opportunity to ask questions of the panel.

This free webinar will be held on Tuesday, November 10, 2020 at 8:00am PDT. [Register today!](#)

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 a number of 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 October. Plan to be at our annual beer & wine tasting and awards picnic each July on the Stanford campus. The local section is a volunteer organization. Attend an event, volunteer to help, and get to know your local fellow chemists. Welcome!

Please note: in-person events have been suspended during the pandemic but we are meeting virtually. The offer for a free dinner stands for new members once we start getting together in person again.

NEW ACS MEMBERS

Cody Aldaz
Brett Babin
Jadon Bienz
Sahana Sequoyia Bojorquez
Theresa Clarkson
Reena Dosanjh
Keith G. Gonzales
Samantha Janisse

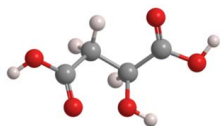
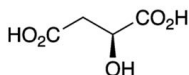
Dr. Leslie Johnson
Brenda Jurado
Dr. Abhiteja Konda
Jack Liu
Fengfei Ma
Elizabeth Park
Jungjin Park
Prasad Raut

Tra-My Justine Richardson
Amos Shiao
Judith G. Theodori
Mark Tretter
Hendrik Utzat
Bo Wang
Xiaolin Zhang Zhang

CHEMISTRY

Quiz

You can pick me from a tree.
What molecule am I?



What molecule am I?

Answer

Science of Synthesis 20th Anniversary Virtual Symposium in Honor of Barry Trost

November 11, 2020, 9am-Noon Pacific Time

Free registration, will be recorded

Sponsored by Thieme:

[Symposium Web page](#) | [Registration Link](#)

Science of Synthesis (SOS) celebrates its 20th anniversary this year. To mark this occasion, and the remarkable career in organic synthesis of one of its founding editors, Prof. Barry M. Trost, we have invited him as well as Profs Janine Cossy, Mark Lautens, and Nuno Maulide to speak at our virtual symposium. Please join us to celebrate this occasion together!

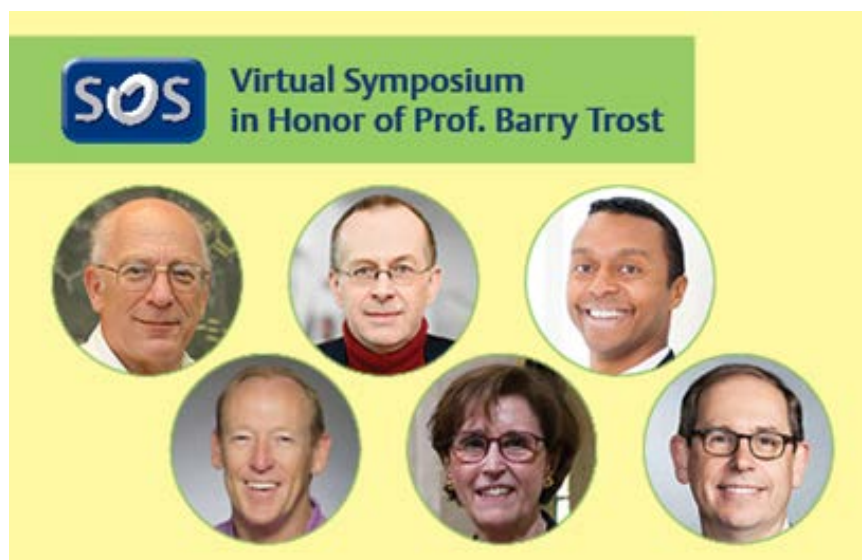
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Agenda (All times are in Pacific Time):

- 9:00 am Introduction**
Dr. Fiona Shortt de Hernandez (Managing Editor, Science of Synthesis)
Chat manager: Dr. Alex Russell (Senior Scientific Editor, Science of Synthesis)
- 9:05 am Science of Synthesis Editor-in-Chief**
Prof. Alois Fürstner (MPI Mülheim, Germany)
- 9:20 am Symposium Chair**
Prof. Gary Molander (University of Pennsylvania, USA)
- 9:30 am Strained Rings in Drugs. How to Introduce Them in Molecules?**
Prof. Janine Cossy (ESPCI Paris, France)
- 10:05 am The Simplicity of Rearrangements**
Prof. Nuno Maulide (University of Vienna, Austria)
- 10:40 am The Wonderful World of Oxindoles**
Prof. Mark Lautens (University of Toronto, Canada)
- 11:15 am Chemistry and Biology: Merging Sciences?**
Prof. Barry Trost (Stanford University, USA)
- 11:45 am Open Q&A**
- 12:00 pm Close**
Prof. Gary Molander (University of Pennsylvania, USA),
Prof. Alois Fürstner (MPI Mülheim, Germany),
Dr. Fiona Shortt de Hernandez (Managing Editor, Science of Synthesis)

About Science of Synthesis

Science of Synthesis is a unique reference work covering synthetic methodology in the field of organic and organometallic chemistry. By using it for your research, you'll get:

- A logically organized overview of organic transformations at a glance
- Comprehensive reviews of organic and organometallic synthetic methods
- A focus on the best synthetic methods, selected by experts, saving you time when planning your synthesis and giving you a better chance of success when you come to carry it out.
- Practical experimental procedures that are immediately applicable in the lab



Worth Knowing About

by Stephen Boyer, PhD

Orange Data Mining Software Fruitful & Fun



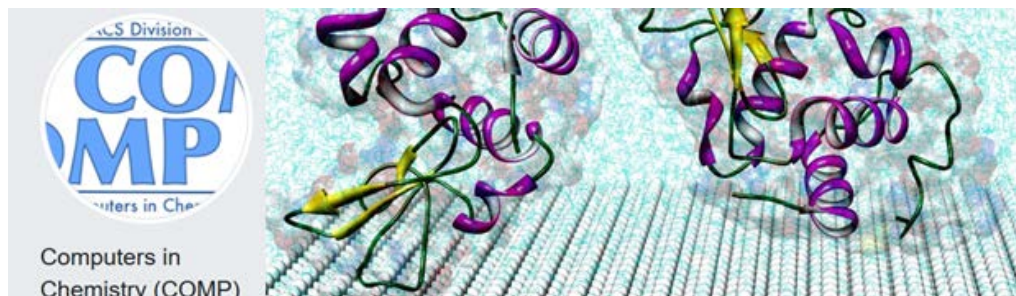
Did you ever want to try data-mining but were put off because you don't know Python, C++, SQL, etc.? Well, you're in luck! Members of the Computer and Information Science Department at the University of Ljubljana have put together a visual programming application called Orange. It is absolutely amazing, free, and runs on Windows, Mac and Linux. Download it from <https://orange.biolab.si/download/#macos>

Begin by watching a few short *"getting started" YouTube tutorials* with Ajda, the Orange video coach. The videos explain the basics and if you stick with Ajda's pleasant tutorials, you will be data-mining like a pro and enjoying new insight into all kinds of data. Try it on visualizing and mining the data on one of your spreadsheets. The well-designed user interfaces lead you along a smooth transition to developing more advanced workflows, including data clustering, image or natural language processing, predictions, and much more.



The illustration shows an example of setting up a workflow to analyze chemical components of various wines. In this example (started in tutorials 9&10), color intensity is clustered as a function of flavonoid concentration. Also shown is classification tree analysis.

COMP Together Virtual Event



Sponsored by ACS Bay Area COMP Together

November 17, 2020 from 6:00-8:00pm, Online via Zoom, Free, [Registration required](#)

Please join us for another virtual COMP Together gathering! We have planned an evening with 2 lightning talks and 2 full presentations, focused on small molecule drug discovery, including connections of our work to clinical candidates and developments in open source and open access tools:

- Steve Kearnes (Google) - The Open Reaction Database (5 min)
- Hanneke Jansen (Novartis) – From exploration to inspiration on the way to the clinic (5 min)
- Bharath Ramsundar - Open Sourcing Medicine Discovery (20 min)
- Jason Perry (Gilead) - Remdesivir's Inhibition of SARS-CoV-2 RNA Polymerization (20 min)

We will have Q&A after each talk and some break-out rooms at the end of the program for further discussion and networking. [To update your COMP Together registration or unsubscribe](#) or if you have any questions about this event, please contact [Hanneke Jansen](#)

Anti-Racism and Allyship 7 Day Journey



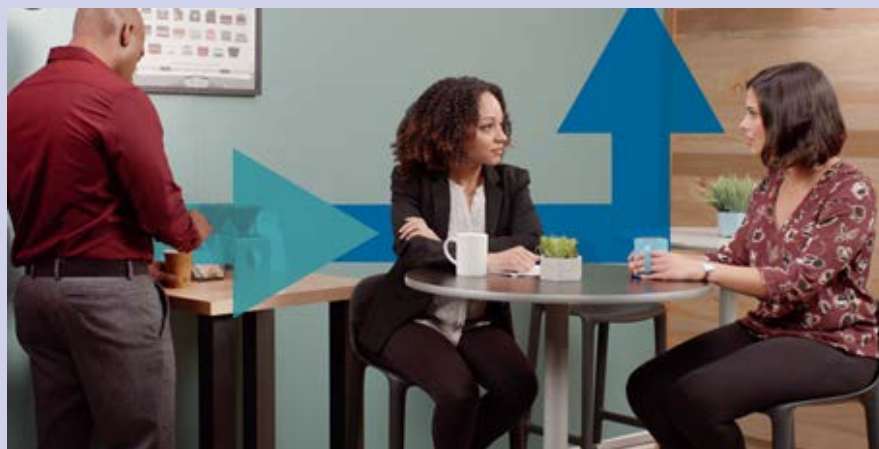
Stanford Graduate School of Business has launched a free course on anti-racism and allyship. The self-paced course will make the participants think about race, unconscious or implicit racial bias, have conversations across race, define and apply anti-racism, identify intersectionality, embracing ally ship authentically and put an action plan in place to help participants rise above racism and bring a change around them. To take the course [click here](#).

Allyship and Anti-Racism Resources



Compiled by the VMware Women's Leadership Innovation Lab at Stanford University, this great collection of [allyship and anti-racism resources](#).

Bystander Training: From Bystander to Upstander



The power of standing up - Working in a toxic environment can make anyone feel helpless. Even HR representatives can feel like their hands are tied. But you have the power to change the trajectory of your organization's culture. By going from bystander to upstander—someone who holds their coworkers accountable for bad behavior—you can turn a toxic workplace into a supportive environment where employees are able to do their best work. Learn tools and strategies to become an upstander and an ally. Learn how to build an upstander culture, hold employees and peers to professional conduct, and develop the skills you need to speak up when fellow employees are being bullied or harassed. [This course is available on LinkedIn Learning](#) (an ACS Membership benefit)

Say Their Names Exhibit



Visit the Stanford Libraries online exhibition originated in direct response to the global Black Lives Matter movement. [Visit the exhibit](#)

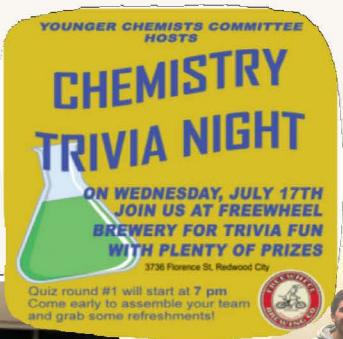


ACS Local Section
Silicon Valley

CELEBRATING 2019



RADDING AWARD



PICNIC



BAY AREA CHEMISTRY SYMPOSIUM



NATIONAL CHEMISTRY WEEK



ESCAPE ROOM



ESCAPEROOM



SPEED NETWORKING

4 New Programs Introduced
 Bay Area Chemistry Symposium
 YCC Trivia Night
 Chemistry Escape Room
 High School Mentoring Program

3 YCC Events

35 Overall Events

8 Dinner Meetings & Outreach Events



TEACHER SCHOLAR AWARD

4 Chemists Honored With Local Section Awards
 Mosher Award - Chad Mirkin
 Radding Award - Mary Virginia Orna
 Teacher Scholar Award - Kathleen Armstrong
 Salute to Excellence - Elizabeth Migicovsky



TECH TREK



SALUTE TO EXCELLENCE

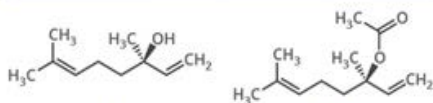


BAY AREA SCIENCE FESTIVAL

ACS
Chemistry for Life™

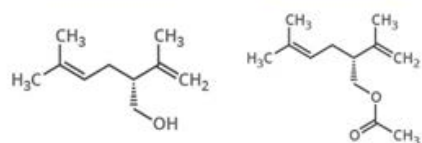
THE CHEMISTRY OF LAVENDER

LAVENDER AROMA COMPOUNDS



(R)-LINALOOL

LINALYL ACETATE



(R)-LAVANDULOL

LAVANDULYL ACETATE

The primary compounds that contribute to the scent of lavender are linalool and linalyl acetate. Linalool is often used as a fragrance in consumer products. Other compounds that contribute include lavandulol and lavandulyl acetate, as well as a selection of other terpenoid compounds.



LAVENDER AND MOTHS



People often put bags of dried lavender with stored clothes to repel moths. 1,8-cineole and camphor, both present in lavender, have insecticidal and repellent activities. Mothballs can also be used to repel moths, and usually contain either naphthalene or 1,4-dichlorobenzene, but there are some health concerns regarding their use.

© Andy Brunning/Compound Interest 2017 - www.compoundchem.com | Twitter: @compoundchem | FB: www.facebook.com/compoundchem
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Why Can Lavender Be Used to Repel Moths? – The Chemistry of Lavender [click to enlarge](#)

2020 Section Officers

Chair	Matt Greaney	510-410-0195	greaney19@gmail.com
Chair-Elect	Jigisha Shah	315-289-5115	jssheth@syr.edu
Past-Chair	Grace Baysinger	650-725-1039	graceb@stanford.edu
Secretary	Laura Yeager	626-826-3145	laura.yeager123@gmail.com
Treasurer	Ihab Darwish	650-624-1389	darwishis@yahoo.com

Councilors

2018-2020	Ean Warren	650-714-5133	ewarren@scvacs.org
2018-2020	Natalie McClure	650-906-7831	nmclure@drugregulatoryaffairs.com
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
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Alternate Councilors

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