



FASHION, PHARMACEUTICALS, FOOD AND FUN: HOW COLOR CHANGED THE WORLD

MARY VIRGINIA ORNA, PH. D

Wed, May 4, 2022
7:00 PM-8:30 PM PDT
ZOOM

UCSD Undergraduate
Chemistry Symposium
May 12, 2022, 4

Fashion, Pharmaceuticals, Food and Fun: How Color Changed the World

Mary Virginia Orna, Ph.D

DATE: Wed, May 4, 2022

TIME: 7:00 PM – 8:30 PM PDT

PLACE: Your Computer (ZOOM)

RSVP : [Link \(Click here to register\)](#)



ABOUT THE SPEAKER:

Mary Virginia Orna is Professor of Chemistry, Emerita, College of New Rochelle. She received her Ph.D. in analytical chemistry from Fordham University. Orna has lectured and published widely in the areas of color chemistry and archaeological chemistry. She has authored 21 book chapters and encyclopedia articles, seven books and edited twelve others. She is an ACS Fellow and has received numerous teaching awards from the ACS and other groups. Two of her recent books, *The Lost Elements: The Periodic Table's Shadow Side* (Oxford University Press) and *Science History: A Traveler's Guide* (American Chemical Society and Oxford University Press) have had rave reviews. Her 2013 book, *The Chemical History of Color* (Springer) was recently very favorably reviewed in the *Journal of Chemical Education* in conjunction with the ACS National Chemistry Week theme on color and was rated the most popular book in the Springer series. In late May 2022 her latest book, the "March of the Pigments" is scheduled for release by the Royal Society of Chemistry.

ABOUT THE PRESENTATION:

TColor has been an exciting and enjoyable part of human life ever since the color-sensitive eye evolved over a million years ago. However, the junction between color and chemistry, and color and history, is of more recent origin. The first recorded use of chemistry to manufacture a color is the stunning set of cave paintings found in the Grotte Chauvet in Southern France. Executed over 32,000 years ago (20,000 years earlier than Lascaux!), they are a testimony to early humans' ability to create beauty and to engage in abstract thinking. This talk traces the history of color usage as a chemical endeavor from the earliest records to the present day focusing on four major areas: fashion, pharmaceuticals, food, and fun. It is a trajectory peppered with stories to help us understand the mystery of color as a universal experience and phenomenon; its chemical history, as you shall see, even changed the course of history in the 20th century. This talk is based on her popular book, *"The Chemical History of Color"* (Springer, 2013).

Dear esteemed members,

Spring is a time for renewal and growth; great things are happening in our Local Section.

I would express my gratitude to our April speaker, **Dr. Xina Quan**, for delivering an excellent presentation on how she started her medical device company, PyrAmes. Be on the lookout for PyrAmes wearable technologies. They have the potential to revolutionize blood pressure monitoring and may even become incorporated as a smartwatch sensor someday.

I am looking forward to **Mary Virginia Orna's** upcoming presentation, "Fashion, Pharmaceuticals, Food, and Fun: How Color Changed the World". Dr. Orna is a fantastic speaker, an acclaimed science writer, and chemical educator. She has also spoken to our local section on other topics in the past. You may recall Dr. Orna's thought-provoking lecture in 2021, "Ladies-In-Waiting (and Still Waiting for the Nobel Prize)." You won't want to miss this colorful presentation!

I had a great time with the **Southwestern College** and **UCSD Student Affiliate Chapters** doing our part for Earth Week. On April 23, we participated in the Creek to Bay Clean-Up organized by **I Love a Clean San Diego**. The Creek to Bay Clean-Up involved hundreds of volunteers across multiple sites in our beautiful city. We spent the entire morning cleaning up the Chollas Creek trails. In a few hours, we hauled away hundreds of pounds of trash!

Spring-Summer is the season for symposia. Over the next few months, the best and brightest in our chemical-minded community will showcase their work on the frontiers of modern chemistry. On May 12, UCSD will hold its **16th Annual Undergraduate Research Symposium** in person. Please contact the UCSD Student Affiliate Chapter if you would like to volunteer to be a judge. The ACS National **Organic Chemistry Symposium (NOCS)** will be held from June 26 to June 30 at the La Jolla Marriot. This year marks the first time the NOCS will take place in Southern California. The annual **Med Chem Symposium** is planned as a virtual event in July. Details will be forthcoming.

Lastly, I would like to congratulate **the Class of 2022** and recognize their perseverance despite the numerous challenges that the pandemic had on their education. A special shout-out goes out to our member-at-large, **Christina Vialva**, for receiving a Student of Distinction Award, the highest honor Southwestern College students can receive. I wish her lots of success in her next chemistry adventure.

I hope you all have a wonderful and chemistry-filled month of May.

With gratitude,

Juan Gonzalez

2022 Chair, San Diego Section of the American Chemical Society

Email: jpgg@sandiegoacs.org

Web: www.sandiegoacs.org

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**San Diego Section, American Chemical Society
Executive Committee – Zoom Meeting
Apr. 7, 2022, 6:30 p.m.**

Attendees: Sean Anderson, Surya De, Juan Gonzales-Gonzales (chair), Desiree Grubisha, Carolina Ibarra, Val Kuck, Julann Miller, Ben Pratt, Joan Schellinger, Jim Shih, Ryan Smith, Bill Tolley (secretary), Jackie Trischman, Christina Vialva, David Wallace.

Visitors: Nishant Karadhelkar, Robin Yu (UCSD student chapter)

March Minutes (GG) – as amended – Approved

Treasurer's Report (DG) – New receipts: \$86.80 for event admission (Glass Blowing seminar from Eventbrite), \$500 from ACS National as seed money as host Section, \$5730 for local Section dues for last half of 2021; expenses: storage locker, Newsletter \$450, \$344 social media; councilor requests for reimbursement associated with National Meeting needed by Apr. 20
Motion: Allocate \$199 for chair to volunteer at host booth during National Meeting Approve.

Monthly Seminars (VK) – 50 attendees at March 16 Meeting -- Dr. Yong Yan, SDSU: Using Solar Cell Materials In The Synthesis Of Pharmaceuticals, Upcoming: Apr. 20 - Xina Quan (Stanford U) Lessons Learned in Setting Up a Start Up; May – Mary Virginia Orna – Fashion, Pharmaceuticals, Food and Fun: How Color Has Changed The World, no seminars for June - Aug., NOTE: thanks to Val Kuck for getting a very diverse collection of speakers for seminars.

Project SEED (VK) – Uncertainty regarding COVID to get students and mentors to commit to in-person .mentorships.

Sr. Chemists Committee (VK) – Looking for volunteers to assist in planning and executing events.

Super STEM Saturday (JT) – CSUSM-sponsored event, 7,800+ attendees, great participation from chem club groups from SWC (polyurethane bugs), CSUSM (Better Than Magic), Miramar College.

National Meeting Host Booth (JT) – Thanks to those who helped; spent about \$450 for gratuities; members from Sabine-Neches (TX) Section offered the idea of participating in Zoom seminars with SD Section since they are too spread out for traditional seminars.
Action: Juan -- get e-mail contact for setting up Zoom seminars with Sabine-Neches Section.

Outreach (CI / BP) -- SDACS has followers from across the nation and from international locations; presentation on number of accesses to San Diego social sites.

Square payment (RS) – Duane Morris drafted letter pro bono to SD District Attorney alerting that we have received potentially fraud donations.
Motion: Accept letter as drafted -- Approved unanimously.

Chemistry Olympiad (JS) – Mar 26-7 online, 16 volunteer proctors, 79 students from 15 high schools participated in the examination, 13 students were invited to participate in the National exam (selection criteria included limit of 2 students per high school and score above 36) and all have committed to participate in National competition, hybrid National exam Part 1 digital (Apr. 23) Apr. 24 Parts 2-3 in person written section and laboratory activity, at USD; will need a small number of volunteers.
Motion: Adopt policy for Section to not release scores -- Approved (1 abstention),

Earth Week (JGG) – Logistics of participating at Balboa Park haven't worked; proposing participating in neighborhood cleanup.

Motion: Apply \$450 (increase current by \$150 from approved budget) for Earth Day for cleanup kits (\$30 per kit) – Approved.

Amendment: allocate addition \$200 for refreshments for volunteers – Approved.

Med Chem Symposium (DW) – Scheduled for July 15, totally virtual with four speakers, truncated sponsorship because no cost; two confirmed speakers at this point, 2 tentative.

Panel Discussion on Becoming a Patent Agent (BP) – Seminar proposed by Wilson Sonsini Goodrich & Rosatti (a sponsor of past Med Chem Symposia) which they would sponsor, with the objective of increasing the pool of patent agents in SD, discussion on involving other agents & firms to avoid appearance of favoritism.

Action: Ben to suggest to WSGR to include panelists from other firms or freelance agents be included in the panel.

YCC Game Night (CV) – Working toward event similar to event held in the past, but no firm details at this point

ChemExpo (JT) – Miramar College should decide on allowing use of the campus for public events by Apr. 15

50-60-70 Year Luncheon (JGG) – In-person events specifically for seniors not well advised at this time, seniors not inclined to participate in Zoom meetings at this time; phone interview each recipient and include transcript on Website.

Action: Val to develop 3 questions to ask for phone interviews to honorees.

Social Media (CI) – LinkedIn data for Jan-Mar. – LinkedIn group has ~200 members with Sonja Strah-Pleyne right now as the administrator; Facebook – accessed mainly for jobs and information regarding Section activities; Instagram ~150 inquiries per month.

Website Update (JGG) – Refreshed Website is now live.

UCSD Undergraduate Research Symposium (RY) – UCSD's student poster symposium, May 12, looking for professional judges, expecting 40-50 participants and inviting students from other colleges, biochem division, organic / inorganic division, physical / atmospheric chem, chem ed division (tentative).

Adjourn: 8:41 p.m.

Next meeting: May 5

Executive Committee Meeting Dates 2022

6:30– 8:00 PM

Thursday May 12
Thursday June 2
Thursday July 7
Thursday August 4
Thursday September 1
Thursday October 6
Thursday November 3

Zoom Meeting

ACS-Hach Programs

Please see [link](#) 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

HPLC 2022 IN SAN DIEGO

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 Webinars™

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For more information and upcoming Webinars [Click here](#).

JUDGES NEEDED!

UCSD Undergraduate Chemistry Symposium
contact: acssa@ucsd.edu



The San Diego Section of the American Chemical Society would like to thank our Corporate Sponsors.

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 2022 Chair, **Juan Gonzalez-Gonzalez** at jpgg@sandiegoacs.org. Once approved, Juan 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!

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.

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For more information, please contact:

Carolina Ibarra at cibarra@sandiegoacs.org

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4.5" x 4.75"	\$200	\$184	\$163
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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

San Diego Mesa College

Dwayne Gergens
dgergens@sdccd.edu
619-388-2609

San Diego Miramar College

Fred Garces
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619-388-7493

Linda Woods

lwoods@sdccd.edu
(619) 388-7750

Southwestern College, Chula Vista

Juan Gonzalez
jgonzalez3@swccd.edu
619-421-6700x5947

University of California, San Diego

Stacey Brydges
sbrydges@ucsd.edu
858-246-0993

Thomas Bussey

tbussey@ucsd.edu
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619-260-4030

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2022 ACS REGIONAL MEETINGS

Middle Atlantic Regional Meeting (MARM)
June 1-4
Ewing, NJ

Northeast Regional Meeting (NERM)
October 2-5
Rochester, NY

ACS Midwest Regional Meeting (MWRM)
Oct 19-21, 2022
check for info

Western Regional Meeting (WRM)
Oct 19-22, 2022
Las Vegas, NV

SECTION E-MAIL LISTSERVER!

Get up-to-the-minute reminders of Section or local events of interest.

To subscribe to our moderated listserv:

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



ACS-SA
THE 16TH ANNUAL
SYMPOSIUM

For undergraduate researchers
in the chemical sciences to
showcase their work

May 12, 2022, 4-7pm
@ NSB Atrium

Abstract Deadline:
April 22, 2022

 [ucsdacssa](#)
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Abstract
submission



YOUR AD HERE

Your ad in the next issue of
THE SAN DIEGO CHEMIST

For information contact:

Carolina Ibarra

cibarra@sandiegoacs.org



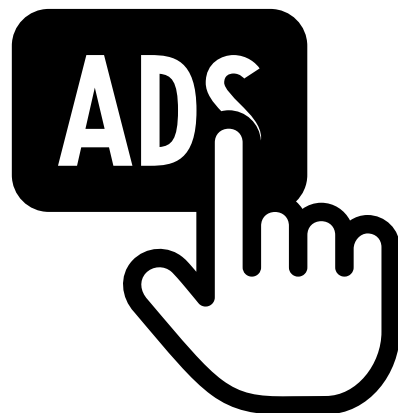
REGISTER NOW!



N^OS 2022

June 26–30, 2022
La Jolla, California Marriott

*The National Organic Chemistry Symposium
is the premier event sponsored by the ACS
Division of Organic Chemistry to highlight recent
advances in organic chemistry.*



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



**Fashion, Pharmaceuticals, Food and Fun:
How Color Changed the World**
Mary Virginia Orna, Ph.D
Wed, May 4, 2022
7:00 PM – 8:30 PM PDT
ZOOM

UCSD Undergraduate Chemistry Symposium
May 12, 2022, 4-7pm
@NSB Atrium

The National Organic Chemistry Symposium
June 26-30, 2022
La Jolla, California Marriott
[Register here!](#)

264th ACS NATIONAL MEETING & EXPOSITION
August 21-25, 2022
Chicago, Illinois

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