

# TRIAD CHEMICAL TIMES



Central North Carolina Section American Chemical Society



## Upcoming Events

Tuesday, November 12, 2024, Local Section Meeting

Where: High Point University, Wanek School of Natural Science Building, Room 344

When: 6:00-7:00 Reception

7:00-8:30 Presentation

Dr. Carol Ann Miderski, Catawba College: Casting Light on Art with Chemistry

December 5, 2024: December Holiday Banquet, Blue Heron Conference Center, High Point. Details to follow.

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# November Local Section Meeting

**Speaker:** Dr. Carol Ann Miderski, Catawba College: Casting Light on Art with Chemistry

**Speaker Bio:**

Dr. Carol Ann Miderski has always had a fascination with light and color which led her to the study of Physical Chemistry and spectroscopy at the University of Notre Dame. She has taught chemistry and physics at Catawba College for the past 30 years. A personal passion for crafting led her to bring her hobbies to work through the development of applied lab activities and a travel course in the Chemistry of Art where students can learn chemistry in class and then use it to make art.



**Abstract:**

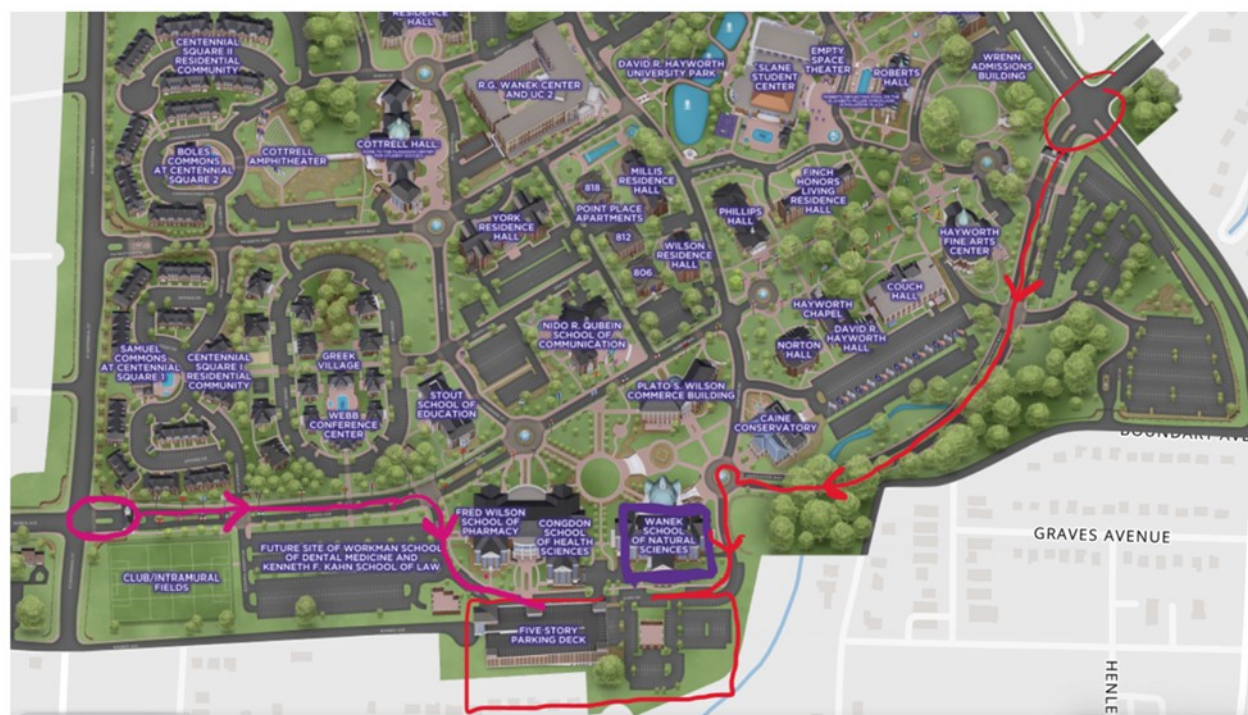
Central to all of the visual arts is the interaction of light with artistic media. A deeper understanding of the chemicals involved can illuminate the causes of color and the appearance of objects. Light also can play a role in the transformation of materials as they are formed or age. This talk is intended for those who are interested in how chemistry applies to the appearance of art, with the reminder that art encompasses not only paintings, but also includes ceramics, glass, fibers and more.

## Directions to the Wanek School of Natural Sciences:

You should enter campus through the welcome center at the corner of N. Centennial St. and Montleiu Ave (may be updated to Qubein) seen on the left-hand side of the map, or at the corner of N. University PKWY and Montleiu Ave seen on the right-hand side of the map. You will need to show the security officer your driver's license or other form of identification. Tell them that you have been registered as a guest by Dr. Fowler and are here for the ACS meeting being held at the Wanek School of Natural Science; this is the building circled in purple. Follow the indicated route and park in the lot behind the WSNS. Avoid the campus entrance at E. Lexington Ave. and Panther Dr.

You can enter the building from any side and take the stairs or elevator to the 3<sup>rd</sup> floor where we will meet at room 344.

Dr. Chris Fowler – [cfowler@highpoint.edu](mailto:cfowler@highpoint.edu) – cell: 336-303-2253



**Entrance on the West side**

**Park Here  
and  
Walk into WSNS  
Go to 3<sup>rd</sup> Floor**

**Entrance on the East Side**

# Local Section News:

**From Jill Harp, WSSU:**

Please share <https://jobs.wssu.edu/postings/28022> with your networks and post in your newsletters:

An outstanding entrepreneurial scientist is being sought to establish and build an internationally competitive research program in stem cell and regenerative medicine research. We are interested in all aspects of stem cell biology ranging from molecular regulation of stem cell function, transcription, epigenetics, -omics, signaling, cell-cell interactions, human stem cell biology, organoid models, tissue-specific stem cells, regeneration, pluripotency and reprogramming, ageing, and the application of stem cells in disease modeling and regenerative medicine, and their translation to novel regenerative therapies.

The successful candidate will join a dedicated, multidisciplinary group of biomedical investigators at BRIC-ITEC and Wake Forest Institute of Regenerative Medicine (WFIRM) that includes molecular biologists, cell biologists, bioinformaticists, and chemists. The labs are located in the Piedmont Triad Community Research Center (PTCRC) and are fully equipped together with animal facilities. The successful candidates will be expected to conduct a vigorous program of independent, externally funded research, attract excellent trainees, mentor students in their lab, and work in a highly collaborative environment.

The successful candidate will be appointed as a Research Assistant Professor at WSSU. A start-up package will be provided.

**From John Merle, WSSU:**

We have a posting for adjuncts. <https://jobs.wssu.edu/postings/28100>

Please encourage quality instructors you know to apply.

**From Tim Ballard, EN-CAS Labs:**

Analytical chemistry laboratory for sale in Winston-Salem, NC. Please send all inquiries to [WSLabForSale@gmail.com](mailto:WSLabForSale@gmail.com)



# An update on Senior Chemists Committee activities

ROBERT A. YOKLEY, CHAIR, ACS SENIOR CHEMISTS COMMITTEE

## American Chemical Society meeting activities

The Senior Chemists Committee (SCC) activities during the American Chemical Society Fall 2024 meeting in Denver, held Aug. 18–22, included a full committee meeting on Monday, the SCC booth in the exhibition hall Monday through Wednesday, and the SCC Breakfast on Tuesday morning featuring guest speaker April A. Hill. Hill is a chemistry professor at the Metropolitan State University of Denver, and her presentation was titled “A Chemist’s Role in Forensics, Archaeology, and Accessibility.” She discussed how her group was developing methods for analyzing things such as suspected arson evidence and unmarked graves using dynamic vapor microextraction. Her group is using gas chromatography/mass spectrometry to identify residues extracted from ancient pottery and collaborating with the Denver Museum of Nature and Science to analyze residues in ancient Mayan beer vessels to re-create an authentic Mayan beer, which is now known to be honey based. She is also developing an artificial intelligence-based lab assistant that can relay lab procedures auditorily, record voice-dictated notes, and operate lab equipment by voice command for students who are blind or have low vision. The SCC Breakfast is held during both spring and fall ACS meetings and typically is a sold-out event. The breakfast is partially subsidized by the ACS Office of Philanthropy, so be sure to add this event to your plans when you register for an ACS meeting.

The ChemLuminary Award ceremonies were held Tuesday evening. The Midland Local Section won the Best Continuing Senior Chemists activity, and the North Carolina Local Section won the Best New Senior Chemists activity. Congratulations to both sections! Be sure to nominate your

Senior Chemists’ group for an award in your local section’s annual report.

Planning for ACS Spring 2025 in San Diego is well underway. One of the activities will be an SCC and Younger Chemists Committee (YCC) networking event on Sunday. This popular event—often called the ice cream social—affords students and professionals the opportunity to discuss careers in chemistry with



and other entities. And attendees get free ice cream! The SCC will also conduct its usual business meeting, hold the SCC Breakfast (speaker to be determined), and cosponsor a symposium.

## Other SCC activities

The SCC continues to focus on its vision of “Senior chemists giving back” and mission of “Serving people through senior chemists’ knowledge and experience.”

SCC provides mini grants to assist local sections in conducting activities that encourage and involve senior chemists. In addition, we award diversity, equity, inclusion, and respect (DEIR) grants to entities other than local sections that engage and involve senior chemists and students from underrepresented communities. Four mini grants and three DEIR awards were funded in 2024. The time frame to apply is February to May each year. The SCC also provides funding to ACS regional meetings that organize activities that involve senior chemists.

The SCC and YCC continue to conduct a mentoring activity in which a member

from the SCC is paired with a member from the YCC. The pairing is based on mutual interest, and meetings occur virtually. This activity has been a rewarding experience for the participants, and we expect to continue it through 2025.

For those local sections that do not have a senior chemists’ group, we encourage you to identify a champion to organize one. The SCC website has a manual titled ‘Learn how to start a Local Section Senior Chem-

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ists Committee’ available as a .PDF, which can be found at [acs.org/content/acs/en/membership-and-networks/senior-chemists.html](https://acs.org/content/acs/en/membership-and-networks/senior-chemists.html). This manual is a valuable source of guidance and other helpful information. It includes program ideas for local sections, funding ideas, information on how to get involved in regional meetings, ACS staff contact information, and more.

For those local sections with an existing and active senior chemists’ group, the SCC requests that the chairs of those groups send a message to [seniorchemists@acs.org](mailto:seniorchemists@acs.org). This email contact information will help the SCC increase communication among these local sections and promote sharing ideas and activities that support senior chemists.

All ACS members who are age 50 and older are considered senior chemists—even though this is not the usual retirement age. We want to hear from all senior chemists. What can the SCC do to help you? What do you need? How can the SCC help your local section? Please contact us at [seniorchemists@acs.org](mailto:seniorchemists@acs.org) with your questions, comments, or recommendations.

Views expressed are those of the author and not necessarily those of C&EN or ACS.

CREDIT: PHYLLIS YOKLEY



# Dr Jerry Walsh Retirement Seminar

By Dan Rabinowich

## **A REFLECTION ON A FANTASTIC JOURNEY IN CHEMISTRY**

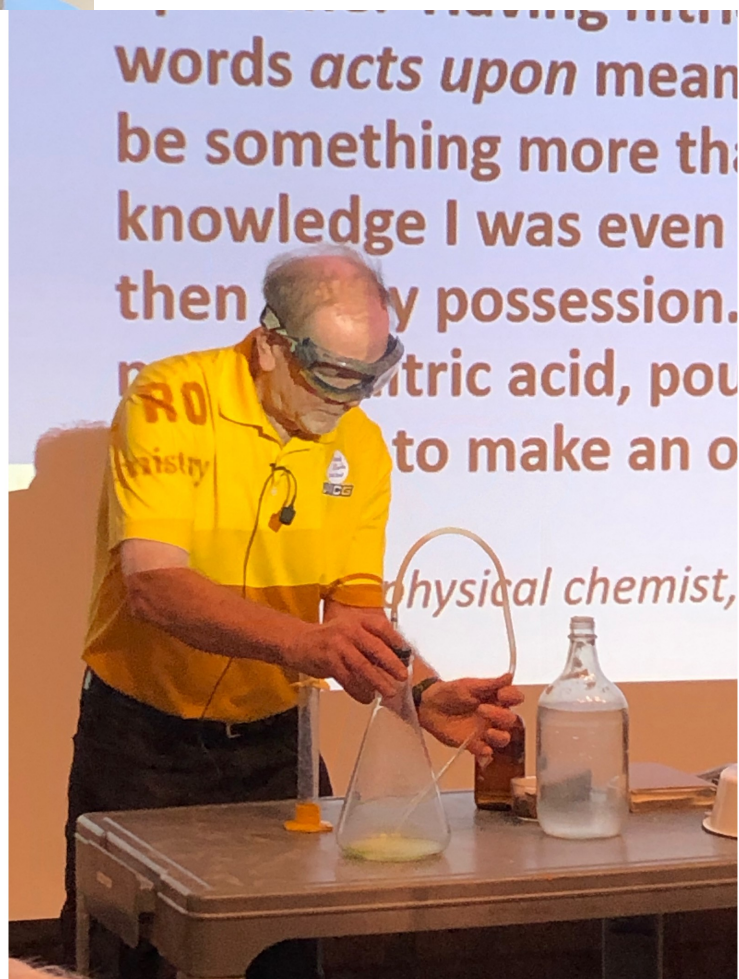
NOVEMBER 1 @ 1:00 PM – 3:00 PM

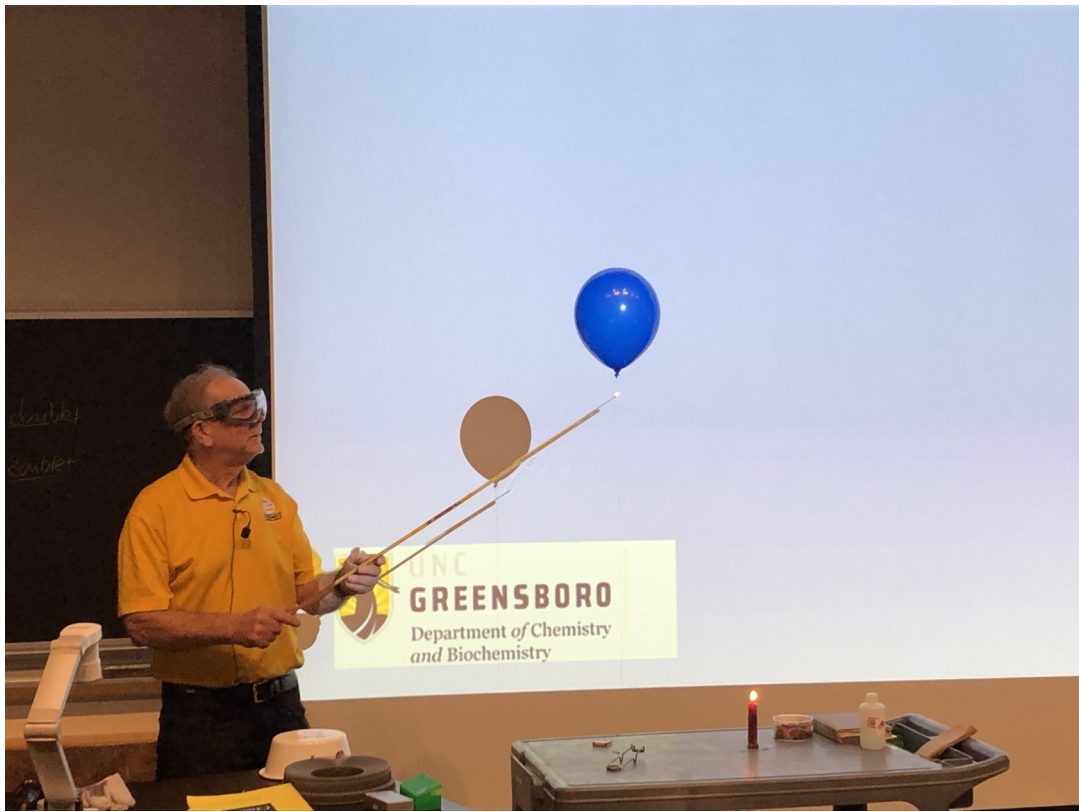
This seminar, given by Dr. Jerry Walsh, will present an academic chemist's unexpected path through a career. Amazing opportunities that spontaneously arose during early studies shaped an experience that only later can be fully appreciated. Reflection on scientific, cultural, and personal experiences suggests that one should cherish accomplishments that are part of your unique history and your contribution to the world. Scientifically, the chemistry of boron cage compounds will illustrate a world of chemistry outside of species with traditional structure and bonding. A variety of experiments exploring structure and reactivity of transition metal complexes will be discussed. Use of chemical demonstrations and hands-on activities will be used to inspire observers to be amazed as well as curious about the world.

Please join us after the seminar (2:15 pm) for a reception in the 4th floor lobby of the Sullivan Bldg. honoring Jerry Walsh's many years of excellent contributions to UNCG and the education of our students. Dr. Walsh will be retiring at the end of the semester, so this is an opportunity to wish him well and express our thanks.











## CNC-ACS Executive Committee

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Long Range Planning	<b>OPEN</b>		
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