

TRIAD CHEMICAL TIMES



Central North Carolina Section American Chemical Society



Upcoming Events

Friday, October 25, 2024, Local Section Meeting

Where: **Koury Hospitality Careers Center, GTCC, Jamestown, NC**

When: 5:45-7:00 Pre-talk reception, Science Hall, Room 111

7:00-8:30 Presentation ***How we Measure the Expansion Rate of the Universe and What Could be Wrong with our Standard Model***, by Dr. Daniel Scolnic, Duke University

Tuesday, November 12, 2024, November Section Meeting at High Point University Dr. Carol Ann Miderski -"Casting Light on Art with Chemistry"
Details to follow.

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

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CNC-ACS Officers

Mr. Kent Kabler	Chair	kent.kabler@syngenta.com
Open	Chair Elect	
Dr. Brian Kinsella	Treasurer	brian.kinsella@syngenta.com

CNC-ACS Website: <https://cnc-accs.org/>

Newsletter Editor: Bill Eberle bill.eberle@syngenta.com



October Local Section Meeting



Please join us from 5:30-8:30 pm on Friday, October 25th for a cosmology-themed presentation followed by the unique opportunity to gaze into the solar system at the Cline Observatory

Socialize and network at the pre-talk reception accompanied by food and refreshments!



2024 Jo Cline Memorial Lecture:

How We Measure the Expansion Rate of the Universe and What Could Be Wrong with our Standard Model

Daniel Scolnic, Ph.D.

Associate Professor of Physics, Duke University

ABSTRACT:

The cosmology community is facing a potential crisis. The "standard model of cosmology" has passed every test over the last 20 years. Yet it remains unsatisfactory, with 95% of the universe being dark components – dark energy and dark matter – whose nature we did not understand. Now, there are possible "cracks" in the model, as recent observations of the local expansion rate of the universe do not match predictions using data from the Big Bang and our standard model. This is the best end-to-end test of our cosmological model, and currently, we do not pass the test.

Prof. Scolnic will discuss his team's measurements and show new data from the James Webb Space Telescope and explain how it strengthens the current tension. He will also talk about how the community is moving forward, with different ways of measuring the early and late universe and what new theoretical ideas show the most promise.

Location:

Koury Hospitality Careers Center, Guilford Technical Community College, Jamestown, NC

[\(Click for Link to Google Maps\)](#)

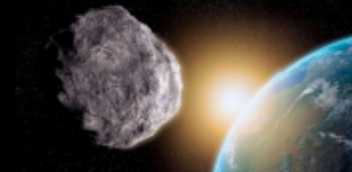
(Koury is building 19 on this [campus map](#))

Times:

5:30-7 pm: Pre-talk reception in Science Hall (Room 111 – building 24)

7-8:30 p.m: Presentation in Koury Auditorium

Post-talk public viewing at Cline Observatory (weather permitting)



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

CNC-ACS Executive Committee

Chair	Kent Kabler	Kent.kabler@syngenta.com	336-632-6014
Chair Elect	Open		
Treasurer	Brian Kinsella	brian.kinsella@syngenta.com	336-632-2195
Councilor ('25)	Robert Yokley	yokleyrobert@gmail.com	336-558-8212
Alternate Councilor ('24)	Ed Robinson	Edwardrobinson.robinsoner@gmail.com	336-337-3361
Director	Bill Eberle	bill.eberle@syngenta.com	336-632-7569
Director	TJ Mayer	tjmayer@carringers.com	336-708-0643

CNC-ACS Committees

Awards	Robert Yokley	yokleyrobert@gmail.com	336-558-8212
Education	Etta Gravely	gravely@ncat.edu	285-2231
Chemistry Olympiad	Chris Fowler	cfowler@highpoint.edu	
Science Center Advisor	Jerry Walsh	jlwalsh@uncg.edu	336-334-5672
UNCG HS Lab Day	Jerry Walsh	jlwalsh@uncg.edu	336-334-5672
Earth Day	TJ Mayer	tjmayer@carringers.com	336-708-0643
Government Relations	Ed Robinson	Edwardrobinson.robinsoner@gmail.com	337-3361
Hospitality	OPEN		
Long Range Planning	OPEN		
National Chemistry Week	OPEN		
Newsletter Editor	Bill Eberle	bill.eberle@syngenta.com	336-632-7569
Poster Vendor Night	Bill Eberle	bill.eberle@syngenta.com	336-632-7569
	Sarah Sihvonen	sksihvonen@gmail.com	336-632-2369
	OPEN		
Professional Relations	OPEN		
Public Relations/Publicity	OPEN		
Science Advisor –	OPEN		
Science Advisor – Richard Burr	Liliana Garcia	llilianagarcia@live.com	
Student Members	OPEN		
Senior Chemists	Paul Weller	wellerp007@hotmail.com	
Web Page	Beth Williard	eliza-beth.williard@syngenta.com	
Women Chemist	Sheeba Dawood	sheebadawood@gmail.com	