



TRIAD CHEMICAL TIMES

Central North Carolina Section American Chemical Society

January CNC-ACS Meeting:

Dr. Marinella G. Sandros

Joint School of Nanoscience and Nanoengineering

"The Influence of Nanoparticles on Imaging, Therapeutics
and Diagnostic"



January Meeting

When:

Thursday January 19, 2012

Where:

Joint School of Nanoscience and Nanoengineering
2901 E. Lee Street, Greensboro, NC

Time:

Social - 6:30 pm

Talk - 7:00 pm

Directions:

page 11



Inside this issue:

<i>CNC-ACS Meeting</i>	1
<i>CNC Exec. Committee</i>	2
<i>Meeting Info</i>	3
<i>Letter from the Past Chair</i>	4
<i>Letter from the Chair</i>	11

CNC-ACS Officers

Dr. Ed Robinson	Chair	erobinson@lortobco.com
Mr. Clifton Bell	Chair-Elect	bellce@wssu.edu
Ms. Janice Foushee	Secretary-Treasurer	jfoushee@ashland.com

CNC-ACS Website <http://www.cnc-acssites.acs.org/>



2012 Executive Committee

2012 Executive Committee

Office	Officer	E-mail	Phone
Chair	Edward Robinson	erobinson@lortobco.com	335-6625
Chair Elect	Cliff Bell	bellce@wssu.edu	750-2545
Secretary/Treasurer	Janice Foushee	jfoushee@ashland.com	333-2738
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Councilor ('13)	Tim Ballard	tballard@en-cas.com	785-3252
Alternate Councilor ('12)	Paul Weller	wellerp@elon.edu	278-6225
Alternate Councilor ('12)	Gail Webster	gwebster@guilford.edu	316-2486
Director ('13)	Kent Kabler	kent.kabler@syngenta.com	632-6014
Director ('14)	TJMayer	thomas.mayer@syngenta.com	632-6079
Past Chair	Bill Eberle	bill.eberle@syngenta.com	632-7569

2012 Committee Chairs

Awards	Robert Yokley	TR6VOL@triad.rr.com	632-2142
<u>By-Laws & Job Manual</u>	OPEN		
Education	Yulia Basova	ybasova@yahoo.com	834-2335
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• UNCG H. S. Lab Day	Jerry Walsh	jwalsh@uncg.edu	334-5672
Environmental Affairs	Gladys S. Van Pelt		288-1783
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Minority Affairs	Julius Harp		
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Poster Vendor Night Coordinator	Kent Kabler	kent.kabler@syngenta.com	632-6014
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Professional Relations	OPEN		
Analytical Sub-Group	Kent Kabler	kent.kabler@syngenta.com	632-6014
Public Relations & Publicity	Tim Ballard	tballard@en-cas.com	785-3252
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Younger Chemists Chair	OPEN		

January Section Meeting Info:

January Section Meeting

Thursday January 19, 2012

Joint School of Nanoscience and Nanoengineering

2901 E. Lee Street

Greensboro, NC

Marinella G. Sandros, Ph.D.

Assistant Professor

Nanoscience Department

Joint School of Nanoscience and Nanoengineering

Prof. Marinella Sandros received her BS in Chemistry from the University of Windsor in 2001 and her PhD in Bio-inorganic Chemistry from Wayne State University in 2006. She completed Post-Doctoral Studies in Biomedical Engineering with Prof. Maryam Tabrizian at McGill University. Prof. Sandros' research is focused on the integration of inorganic nanomaterials and polymers with biology.

A tour of the facility will be available following the seminar. If you are interested in attending the tour, please contact Ed Robinson (erobinson@lortobco.com) as soon as possible so that the JSNN can plan appropriately.



Thanks for a Great 2011

As the International Year of Chemistry closes, I look back at how much the Central NC section accomplished. The achievements of the local section would not have been possible if it was not for the volunteer efforts of the membership. In particular, the following individuals made significant contributions this past year:

Rynne Ambrose (Salem College)

As student member president, Rynne organized a meeting of student members from colleges and universities throughout the Triad region. She has plans for another meeting in the Spring of 2012. For further information contact Rynne at: rynnambrose@gmail.com

Tim Ballard (EN-CAS Laboratories)

In addition to serving as local section councilor, Tim Ballard was appointed to serve on the Committee on Local Sections Activities (LSAC), a National ACS committee. The LSAC works with local sections to enhance their success, to promote the well-being of their members, to foster the spirit of volunteerism, and to carry out the mission of the American Chemical Society at the professional and community level.

Cliff Bell (WSSU)

Cliff participated in many of the local section activities including the BINGO caller at NCW event at the Girl Scout Learning Center. He is the voice of the CNC-ACS DVD (see Bill Nell further in this article). Cliff was elected to be the Chair Elect for 2012; he will serve as Chair in 2013. Cliff can be contacted at: bellce@wssu.edu.

Patricia Duffy (BEAerospace)

Patricia finished up another year as Hospitality Chair. As she has done for a good number of years, Patricia has kept the local section feed well. She and her sous chef (read: Harris Teeter) do a fantastic job at every meeting.

Ed Robinson (Lorillard)

In addition to being the Chair Elect in 2011, Ed headed up the Government Affairs Committee (GAC). In July, four members of the Central North Carolina (CNC) Section joined members of the North Carolina Governmental Affairs Committee (NCGAC) and ACS staff for a series of meetings with state legislators in Raleigh to advocate for STEM Education. They discussed the importance of STEM education in producing a well-trained workforce and attracting high-paying jobs to North Carolina. For more information contact Ed at: erobinson@lortobco.com.

Janice Foushee (Ashland Chemical)

Janice continued her excellent work as section Treasurer. Year in and year out, Janice continues to make sure all of the bills are paid and that the books are in order. Our local section events would not happen if it was not for Janice's hard work.

Kent Kabler (Syngenta)

Kent served as the coordinator for Poster Vendor Night (PVN). Sixteen vendors participated in the 11th Annual PVN. Additionally, forty posters highlighting chemical research in the Triad were presented; two hundred colleagues attended. If you are interested in becoming involved in PVN, contact Kent at: kent.kabler@syngenta.com.

Letter from the Past Chair— Bill Eberle

Nancy Liu and Giulia Capuzzi (Syngenta)

Nancy and Giulia coordinated our National Chemistry Week (NCW) event at the Girl Scout Learning Center where over 200 people learned about the many ways that chemistry affects their lives. Nancy received a grant of \$1000 for NCW from the Targacare Foundation. This grant, coupled with a \$2500 Syngenta Community Grant helped defray the costs of our public outreach event. If you are interested in participating in NCW activities, contact Nancy or Giulia at: nancy.liu@syngenta.com and giulia.capuzzi@syngenta.com.

TJ Mayer (Syngenta)

TJ continued to serve as our newsletter editor. This year, he purchased new software and developed our monthly newsletter into a very professional looking publication. If you have any stories that you would like share in the newsletter, TJ can be contacted at: thomas.mayer@syngenta.com.

John Merle (WSSU)

John does a fantastic job as our local section webmaster. He has developed our website into a professional looking site with information for our members including: meeting announcements, job postings, awards and activities. Check out the website at: <http://cnc-acis.sites.acs.org/>. John can be contacted at: merlejo@wssu.edu.

Bill Nell (in between jobs)

As chair of Earth Day, Bill decided to explore the possibility of producing a DVD about Chemistry from the local section. Never having produced something like this before, Bill wrote the script and contacted people at FTCC to provide the graphics and produce the presentation. Bill can be contacted at: williamnell@bellsouth.net.

Debbie Pritchard (Forsythe Technical Community College)

The ACS does not formally accredit two year college degree programs. This was a problem for students transferring credits from a two year program into a four year ACS accredited program. Debbie asked if the ACS had any guidelines in place for two year schools. As it happened, the ACS was initiating a pilot program for two year colleges. Through Debbie's efforts, FTCC is one of several schools in the country enrolled in the ACS Office of Two Year Colleges program. For further information, contact Debbie at: dpritchard@forsythtech.edu.

Mandy Stauffer (Flint Trading) and Jill Tierney (PPG)

When the local section needed someone to coordinate the poster portion of Poster Vendor Night (PVN), Jill and Mandy stepped right in and did a fantastic job. This past year, two hundred scientists attended PVN; forty posters highlighting research from around the Triad were presented.

Robert Yokley (consultant)

As one of our two section councilors, Robert oversaw the complete revamping of our section bylaws which had not been revised since 1977. Robert was elevated to full member on the National ACS Committee on Environmental Improvement (CEI). During the Fall National ACS meeting, the CEI asked Robert to officially represent the CEI on the Chemists Celebrate Earth Day (CCED) committee.

I would also like to thank the dozens of other members for their time, efforts and talents that made 2011 such a success for the Central NC ACS section.

Bill Eberle – Past Chair

Letter from the Chair— Ed Robinson

Letter from the Chair – 2012

Are you getting the most out of your ACS membership?

As we begin the New Year, I encourage each of you to consider the many benefits of active involvement in the ACS and particularly in the Central NC Section. We all know about the opportunities that ACS offers for presenting or publishing our research and for learning new technical skills. Those are obvious benefits of membership. Many of us, however, miss the chance that ACS affords us to develop and demonstrate non-technical skills and to develop the professional network that may help us to find our next job. A degree in Chemistry gives us the basic technical skills to start a career in research. For many of us, however, our educations may not have given us the chance to develop the “soft-skills” that employers demand.

Have you been looking for a chance to gain leadership experience but haven't had the opportunity at work? CNCACS offers ample opportunities. Why not volunteer to lead one of the section's committees? Not quite ready for that? Consider helping plan and organize events for our new Analytical Discussion Group or volunteering to help during National Chemistry Week or the section's Poster Vendor Night.

Have you been trying to expand your network, but don't know where to start? Attending the section's monthly meetings is a great way to make new contacts. Volunteering along with your new contacts is one of the best ways to grow and maintain your connections.

You don't need to commit an excessive amount of time to take advantage of the opportunities that ACS offers. As little as a couple of hours each month at section meetings can expand your network tremendously.

This year, establish a goal for yourself to take full advantage of what ACS has to offer you.

Ed Robinson

erobinson@lortobco.com

335-6625

Triad Analytical Discussion Group

We are excited to inform you about the start of a Triad Analytical Discussion Group. The group's purpose will be to engage our local analytical community through quarterly meetings where we will discuss current trends in the analytical sciences at the industrial and academic levels. We hope the discussion group will provide an opportunity for local analytical scientists to expand their professional networks as we get to know others who share our passion and interest for the analytical sciences.

We realize the Triangle Chromatography, MS, and NMR discussion groups provide fantastic venues for specific discussions. It is our goal to schedule meetings of the Triad Analytical Discussion Group at times that do not compete with either these existing discussion groups. By hosting most of our meetings in Greensboro, High Point, and Winston Salem we hope to provide a discussion group for those in the Triad area who are interested in involvement but may not have the time available for longer commutes.

Look for more information in the near future. Please let us know what you think of a Triad Analytical Discussion Group, some of the functions you would like to see the group serve, and who you would be interested in having speak at our meetings. If you are interested in helping with planning and organizing please contact Jeremi Johnson (jeremijohnson@lortobco.com) or Ed Robinson (erobinson@lortobco.com).

Also, the ACS North Carolina Government Affairs Committee (NCGAC) is looking for new members. If you are interested in advocating for science and science education with our elected officials in Raleigh, consider joining the NCGAC. Contact Ed Robinson (erobinson@lortobco.com) for more information.

jfbrady@bellsouth.net www.jfbrady.net

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I am busy finishing up the first half of the school year (time flies!), and there are not a lot of extra resources lying around for us teachers for the second half of the year! So what I've done is created a classroom project request on a 501(c)3 charity website called [DonorsChoose.org](http://www.donorschoose.org).

I'm writing to ask for any donations possible for my students - no matter the size, it will help my kids. This week only, any donation you make to my project will be doubled! If you know anyone that is passionate about education, please pass this along. Your tax-deductible donation will have a direct impact on at least 30 students (and many more in the future), and you'll hear back from our class about your impact on our learning!

To learn more or donate:

Visit my Teacher Page, <http://www.donorschoose.org/we-teach/570517>

1. Choose my project, enter the amount of your donation, and click "Give"
2. During check-out, enter the word **SPARK** where it says "I have a gift or match code" field, and your donation will be matched dollar for dollar.

Feel free to send me any questions. I appreciate your support more than words can say! As do my students!

Happy Holidays!

Janis McDonald

mcdonaj2@gcsnc.com

**Honors Chemistry, AP Chemistry, Physical Science
Southwest Guilford High School**





the
2011-2012

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FEATURING

TIM BERTRAM, DVM, PhD
President, Research and Development and
Chief Scientific Officer



speaking on:
*“Regenerative Medicine - Growing
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4:00 PM THURSDAY, JANUARY 19, 2012
ARDMORE AUDITORIUM
FORSYTH TECH MAIN CAMPUS
2100 SILAS CREEK PARKWAY
WINSTON-SALEM NC 27103



*To reserve a seat at this event, contact Mona Cofer
at 336.734.7205 or mcofer@forsythtech.edu.*

All lectures are free and open to the public.

UNCG Chapter of Phi Beta Kappa

Information for John E. Straub Lectures

The UNCG Chapter of Phi Beta Kappa is pleased to announce two lectures by

John E. Straub

Professor and Chair of the Department of Chemistry at Boston University

Phi Beta Kappa Visiting Scholar for 2011-12

Public Lecture

“A Lively Tour of the Periodic Table”

Thursday, February 16, 7:30 PM

Room 201 Sullivan Science Building, UNCG

This lecture explores the diverse properties of the chemical elements through the use of historical accounts and demonstrations of chemical reactions.

Departmental Seminar

“When Protein Folding Goes Wrong: Probing the Molecular Origins of Amyloid Disease”

Friday, February 17, 1:00 PM

Room 201 Sullivan Science Building, UNCG

The Sullivan Building is located at 301 McIver Street on the UNCG Campus (corner of McIver and Carr Streets). Parking is available in the McIver Street Parking deck about a half block north of the Sullivan Building.

Sponsored by Phi Beta Kappa, the UNCG Department of Chemistry and Biochemistry, and the UNCG College of Arts and Sciences

Meeting Directions:

Joint School of Nanoscience and Nanoengineering

From Raleigh/RTP/Durham, NC

Follow I-40 West to Exit 131 toward Greensboro (I-40 W/I-85 Business South/US 70).

Go 3.3 miles to Exit 224, which is the Lee Street exit. Turn right.

Proceed ¼ mile and campus is on the right.

From Winston-Salem, NC

Follow I-40 East/I-85 North toward Greensboro.

Take Exit 212 (I-40 East/Greensboro to Bryan Blvd.)

Continue to Exit 224, which is the East Lee Street exit. Turn left.

Proceed ¼ mile and campus is on the right.

UPCOMING EVENTS

Event	Date	Location	Comment
February Meeting	TBA	Lorillard	Talk
March Meeting	March 22	Elon	Talk
April Meeting	Proposed April 3	Syngenta	PVN