

# The Blue Ridge Chemist

The Blue Ridge Chemist, since 1947 the  
Official Local Section Publication of the  
Virginia Blue Ridge Section, American Chemical Society



## VIRGINIA BLUE RIDGE SECTION AMERICAN CHEMICAL SOCIETY

**654<sup>th</sup> SECTION MEETING**  
**Roanoke Valley Governor School**  
**Thursday, March 27, 2014**

### PROGRAM:

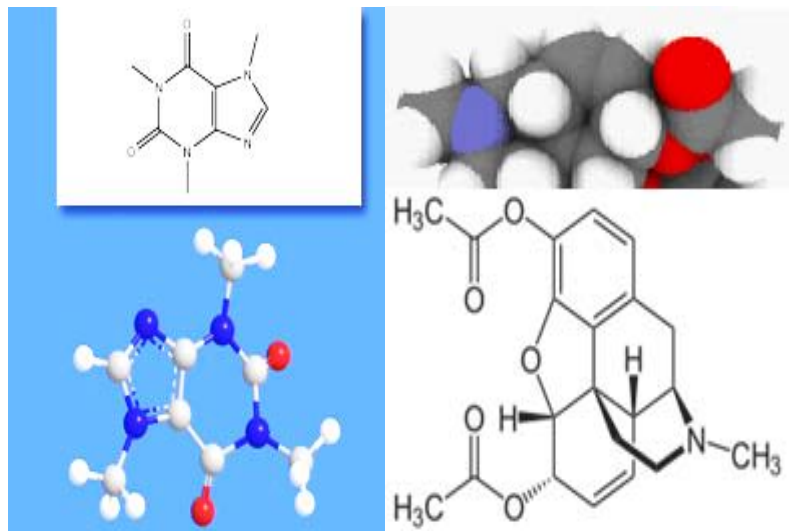
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**No. 3**

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### Roanoke Valley Governor School Hosts March Meeting

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<http://www.acs-vbrs.org>

5:30-6:00 Social time, Lecture Hall, RVGS  
6:00-7:00 Dinner, Lecture Hall, RVGS  
7:00-8:00 Talk, Lecture Hall, RVGS

The social time, dinner, and presentation will all take place in the Lecture Hall at Roanoke Valley Governor's School.

Dr. Catherine Sarisky will be speaking on the "Chemistry of Addiction."

The dinner will consist of pork barbeque (in a tomato-based sauce), Brunswick stew, baked potato, tossed salad (choice of three dressings), and pie (choice of three). Beverages include iced tea & lemonade. The dinner is \$14, with students and retired members being half price.

Reservations for the dinner must be made by FRIDAY March 21, (7 DAYS BEFORE THE MEETING) by contacting Steve Smith at phone number (540) 853-2116, or by e-mail to [ssmith@rvgs.k12.va.us](mailto:ssmith@rvgs.k12.va.us), or by writing to Steve Smith, Roanoke Valley Governor's School, 2104 Grandin Road SW, Roanoke, VA 24015.

**Dr. Catherine Sarisky**

**Associate Professor of Chemistry**

**Roanoke College**



Dr. Catherine Sarisky earned a B. A. in chemistry from New College of Florida and a M. S. and Ph. D. in Chemistry from the California Institute of Technology, where she worked on protein structure and design with Dr. Stephen Mayo. She is presently an Associate Professor at Roanoke College, where she teaches Pharmaceutical Chemistry, writing-intensive courses for the Honors Program, the Department's sophomore-level seminar, and, General Chemistry. Her current research interests focus on biosynthetic enzymes, including the biosynthesis of purine molecules in archaea, pathways in disease-causing microorganisms, and the biosynthesis of antibiotics.

## **THE CHEMISTRY OF ADDICTION**

**OR: WHAT HAPPENS WHEN YOU MESS**

**AROUND WITH YOUR BRAIN'S RECEPTORS?**

What do heroin and coffee have in common? They deliver drugs that interact with receptors, causing biochemical changes in the brain and elsewhere in the body. We will look at why various substances are addicting, and what happens when users try to quit. Sorry, no addictive substances will be served.



## In case you were wondering...

The Blue Ridge Section Committees and Chairs:

Awards – Chris Hermann  
Budget and Finance – Chris Monceaux  
Chemistry Olympiad – Kim Lane  
Educational – Steve Smith  
Newsletter – Nancy Richardson  
Nominations – Ben Huddle  
National Chemistry Week Coordinator – Tim Fuhrer

### ACS Fellows 2014 Nominations



Do you know an outstanding chemist? Nominations are open for 2014 ACS Fellows. Nominations will ONLY be accepted online at <https://www.nominatefellow.acs.org> until April 1, 2014 (11:59 PDT). Nominations received after this date will not be accepted.

For Nomination Information

<http://www.acs.org/content/acs/en/funding-and-awards/fellows/eligibility-criteria.html>

For complete information see

[http://www.acs.org/content/dam/acsorg/funding/fellows/ACS%20Fellows%20Program%20Guidelines\\_2014.pdf](http://www.acs.org/content/dam/acsorg/funding/fellows/ACS%20Fellows%20Program%20Guidelines_2014.pdf)

Questions? Contact the ACS Fellows Program office at 202-872-4431 or [Fellows@acs.org](mailto:Fellows@acs.org)

As a part of the April 16, 2014 meeting at Radford University, the Virginia Blue Ridge Section of the American Chemical Society is sponsoring the twenty-first Annual Undergraduate/High School Poster Session. Note that poster boards will be provided.

If you have a student or students, who will be participating, submit the following information by email to Chris Hermann ([chermann@radford.edu](mailto:chermann@radford.edu)) by April 9, 2014. **This is a firm deadline. No poster submissions will be accepted after this time.** All students and faculty will get email confirmation. If you did not get an email reply, then your submission was not received and you cannot present.

Name of Project \_\_\_\_\_

Name(s) of Student(s): \_\_\_\_\_

Affiliation (name of high school, college, or university): \_\_\_\_\_

Class of Student(s) (freshman, sophomore, junior, senior): \_\_\_\_\_

Student(s) email address: \_\_\_\_\_

Advisor's Name, Address, Telephone Number, and email address: \_\_\_\_\_

48" by 48" poster board with tripod on table or just table will be provided. Please specify what you need.

\_\_\_\_\_ poster board with tripod on table

\_\_\_\_\_ table needed

## Directions to the Roanoke Valley Governor's School

The Governor's School is located a little south of the corner of Grandin Road and Brandon Avenue. (Brandon Avenue is the continuation of Apperson Drive and Lee Highway.)

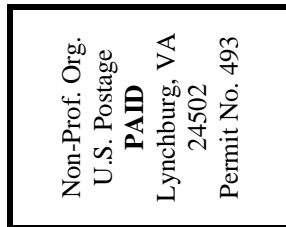
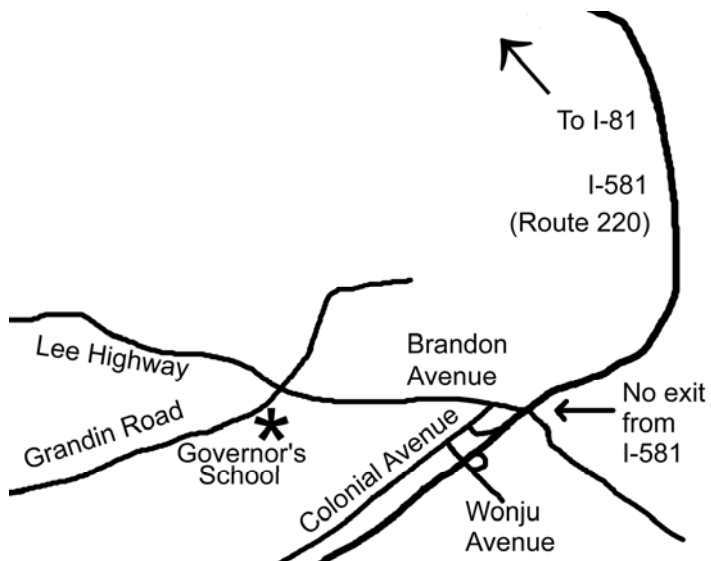
Driving south on I 581 (220), take the exit for Colonial Avenue. At the end of the exit ramp, turn right onto Colonial Avenue; continue below.

Driving north on I 581, take the second Wonju Street exit. Turn right at the end of the exit ramp onto Wonju Street. At the light, turn right onto Colonial Avenue and continue below.

Stay in the left lane on Colonial. Turn left at the light onto Brandon Rd. At the intersection of Brandon with Grandin Road, turn left, and shortly turn left again into the campuses of Patrick Henry High School and the Roanoke Valley Governor's School. After entering these campuses, the building ahead and a little to the right is the Governor's School.

Please call (540) 853-2116 for directions to the meeting, if they are not obvious.

## Map to the Roanoke Valley Governor's School



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c/o Nancy Richardson, Editor  
for VA Blue Ridge Section, American Chemical Soc.  
Department of Biology and Chemistry  
Liberty University  
1971 University Blvd  
Lynchburg, VA 24515

Return Service Requested

The next meeting will be April 16, 2014 at Radford University. Sam Kean will be speaking on "The Disappearing Spoon."