

The Blue Ridge Chemist

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



VOLUME LXIX

May 17, 2016

No. 4



The Executive Committee Hosts the May Meeting

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

VIRGINIA BLUE RIDGE SECTION AMERICAN CHEMICAL SOCIETY

678th SECTION MEETING

Novozymes

Tuesday, May 17, 2016

PROGRAM:

- 4-5 Tour of Novozymes
5:30 Dinner: Mac and Bob's Restaurant, Salem VA

This month's meeting is a tour of Novozymes located at 5400 Corporate Cir, Salem, VA 24153 and followed by dinner at Mac and Bob's Restaurant, 316 East Main St., Salem, Va 24153
Phone: 540-389-5999

Each person will pay for dinner individually. The menu can be found at <http://www.macandbobs.com/menu/>.

Reservations for the dinner must be made by THURSDAY May 10, (7 DAYS BEFORE THE MEETING) by contacting Laura Angell at 540-831-5515 or langell@radford.edu



Novozymes

The world leader in biological solutions



Novozymes produces a wide range of industrial enzymes and microorganisms. We believe that we have innovative answers to some of the world’s most pressing challenges.

The planet’s population is growing, and consuming more – placing a strain on natural resources and calling for more sustainable ways to meet its needs. Novozymes is helping the world address these challenges. Used in the manufacture of a wide variety of products, our innovative biological solutions improve the efficiency of processes both in industry and in everyday life by saving energy, water and other raw materials, while reducing waste.

Sustainability is intrinsic to our business. The nature of our technology makes sustainability an intrinsic part of our business, allowing us to offer our customers solutions that optimize their use of raw materials and energy.

In 2015, the world market for industrial enzymes expanded by 10% to an estimated DKK 25 billion, driven mainly by currencies. Novozymes remained the market leader with a 48% share of the market.

Through The BioAg Alliance, we have a market leading position within the market for seed inoculants.

Good things come in small packages. For Novozymes, everything begins with enzymes and microorganisms.

Enzymes are proteins that act as catalysts. When one substance needs to be transformed into another, nature uses enzymes to speed up the process. Enzymes in the stomach, for instance, ensure that food is broken down into tiny particles that can be converted into energy in the body. Our customers use enzymes as catalysts in the manufacture of a wide variety of products, including ethanol, sugar, beer and bread, where the enzymes are not part of the end product. Enzymes are also used directly in products such as laundry detergents, where they help remove stains and enable low-temperature washing.

Like enzymes, many microorganisms have natural properties that can be put to use in a variety of processes. In our strategic BioAg Alliance, Novozymes is working on microorganisms that will give the world’s farmers a new biological toolkit for increasing yields and protecting crops.



Temporary Full Time Faculty Sought at Radford University

The Department of Chemistry at Radford University invites applications for a full time temporary faculty position at the rank of Instructor which would begin in August 2016. Applications are invited from candidates who demonstrate the potential for excellence in undergraduate teaching. Teaching responsibilities will depend on the Department needs and the successful candidate's area of expertise.

Applicants must hold at least a master's degree in Chemistry with preference given to candidates with a Ph.D. in analytical or forensic chemistry. Strong candidates will have prior teaching experience, evidence of successfully engaging students in the classroom and laboratory, a commitment to pedagogical innovation, and strong interpersonal and communication skills.

The Department of Chemistry, along with several other science departments, moved into a new state-of-the-art building this year. This building houses several new teaching and research laboratories, classrooms, student learning spaces, and advanced chemical instrumentation, including a high-field NMR spectrometer.

Salary and benefits are competitive and commensurate with qualifications and experience. The application package must include a cover letter, a statement of teaching philosophy, *curriculum vitae*, and contact information for three references. Successful candidate will be required to provide official transcripts. Send application materials to: Dr. Joe Wirgau, Department of Chemistry, Radford University, P.O. Box 6949, Radford, VA 24142. Email: jiwirgau@radford.edu. Consideration of applicants will begin immediately and will continue until the position is filled.

Nestled in the New River Valley in the Blue Ridge Mountains, 40 miles from Roanoke, Radford University is a co-educational, comprehensive midsize public university. RU is a student-focused institution offering more than 150 outstanding undergraduate and graduate programs preparing approximately

9,950 students to become successful and productive leaders in the community. Recognized as one of the 75 "Best Value Colleges for 2013" by the Princeton Review and ranked #32 in "Best Regional Universities (South)" in the 2014 edition of US News and World Report, RU prides itself on its strong commitment to teaching and research. Please visit the RU website at <http://www.radford.edu>.

Radford University is an EO/AA employer committed to diversity. All new hires to Radford University are subject to E-Verify. E-Verify is administered by the U.S. Department of Homeland Security, USCIS-Verification Division and the Social Security Administration and allows participating employers to electronically verify employment eligibility.

This contractor and subcontractor shall abide by the requirements of 41 CFR 60-300.5(a). This regulation prohibits discrimination against qualified protected veterans, and requires affirmative action by covered prime contractors and subcontractors to employ and advance in employment qualified protected veterans.

**Directions to Novozymes Biologicals, Inc.
5400 Corporate Cir, Salem, VA 24153**

From Roanoke:

I-81 S to Exit 132
Right onto Rte647
Right onto Glenmary Rd
Facility is on the left