



# American Chemical Society Susquehanna Valley Section

## SEPTEMBER 2011 NEWSLETTER

The three hundred ninety seventh meeting of the American Chemical Society Susquehanna Valley Section will be held on Wednesday, September 14, 2011 in Room 272 of the Langone Center on the Bucknell University campus. The meeting will begin at 7:30 PM and will be preceded by a reception at 5:00 PM in the faculty lounge of the Langone Center and dinner at 6:00 PM in Room 241 of the Langone Center. The speaker will be Dr. Alison Frontier from the University of Rochester.

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### *"New Twists in Nazarov Cyclization Chemistry"*

Dr. Alison Frontier  
Assistant Professor of Chemistry  
University of Rochester

In the past few years, reports of catalytic versions of the Nazarov cyclization have attracted renewed attention to this  $4\pi$  conrotatory electrocyclozation. The study of unusual variations of the reaction and their impact on the synthetic utility of the cyclization will be discussed. Applications of these methods to the synthesis of natural products will also be presented.

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Alison Frontier received her AB in 1992 from Harvard, where she carried out senior thesis research with Professor Yoshito Kishi. Following doctoral work with Samuel Danishefsky at Columbia and postdoctoral studies with Barry Trost at Stanford, she joined the Chemistry Department at University of Rochester in 2002. Her current research interests include planning and execution of syntheses of biologically and structurally interesting natural products. A particular focus is the use of transition metal catalysis to rapidly construct complex molecular architecture from simple starting materials. Transition metal complexes present in catalytic proportions can often perform extremely specific transformations in the presence of complex functionality. The development of such reactions has the potential to change current trends in synthetic strategy.

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#### **DINNER:**

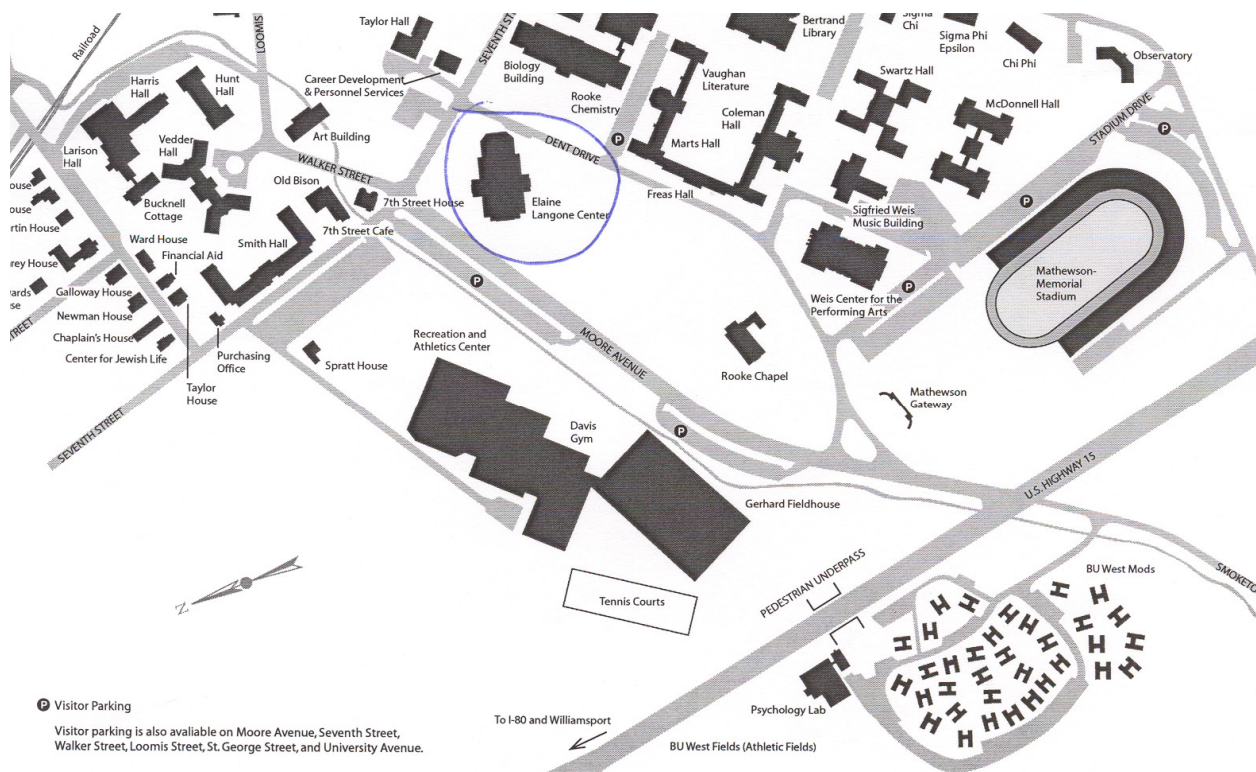
Dinner entrees will be a buffet dinner including a vegetarian option and dessert. The cost will be \$13.95 per person. Please RSVP Suellen Beck by email [sb047@bucknell.edu](mailto:sb047@bucknell.edu) or phone (570) 577-3258 by September 13.

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#### **DIRECTIONS TO BUCKNELL UNIVERSITY:**

<b>East of Lewisburg:</b>	<b>West of Lewisburg:</b>
1. Interstate 80 West to Exit 210A	1. Interstate 80 East to Exit 210A
2. Route 15 South	2. Route 15 South
3. At 11th traffic light, turn left. (Look for the Bucknell Athletic Stadium on the left.)	3. At 11th traffic light, turn left. (Look for the Bucknell Athletic Stadium on the left.)
<b>South of Lewisburg:</b>	<b>North of Lewisburg:</b>
1. Take Routes 11&15 North	1. Take Route 15 south
2. When Routes 11 & 15 split, stay on Route 15 (Tedd's Landing is on your right; KMart on your left)	2. Once past Interstate 80, turn left at the 11th traffic light. (Look for the Bucknell Athletic Stadium on the left.)
3. Approx. 7 miles after Selinsgrove / Shamokin Dam, you'll come to a stop light. Bucknell is on your right. (Look for the Bucknell Athletic Stadium on right.)	

**Once on campus:** Follow the campus map to the visitor parking designated with a "Ⓢ".



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**2011 Conference on Undergraduate Research and Education in Nuclear Magnetic Resonance:**

The Department of Chemistry and Biochemistry at Bloomsburg University encourages students and faculty in Pennsylvania and surrounding regions to join in a one-day symposium on 22 October 2011. As with the prior conferences, this event will focus on the increasing efforts of educators at principally undergraduate institutions (PUIs) to engage in research and education that exploits modern nuclear magnetic resonance spectroscopy. There are no registration fees and no required memberships. For more information check for updates at the [Conference Website](#).

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**2011 - 2012 Local Section Meeting Schedule:**

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|--|---|
| <b>14-Sept-2011:</b> Bucknell University | <b>8-Feb-2012:</b> University of Scranton                 |
| <b>27-Oct-2011:</b> Wilkes University    | <b>14-March-2012:</b> Susquehanna University              |
| <b>9-Nov-2011:</b> Lycoming College      | <b>11-April-2012:</b> Marywood University                 |
| <b>Jan 2012:</b> Executive Board Meeting | <b>9-May-2012:</b> Bloomsburg University (Awards Banquet) |

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Section Web Page: <http://departments.kings.edu/SusquehannaValleyACS>

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