



American Chemical Society Susquehanna Valley Section

SEPTEMBER 2010 NEWSLETTER

The three hundred ninety first meeting of the American Chemical Society Susquehanna Valley Section will be held on Wednesday, September 15, 2010 in Room 116 of the Rooke Chemistry Building on the Bucknell University campus. The meeting will begin at 7:30 PM and will be preceded by dinner at 6:00 PM in Room 241 of the Langone Center. The speaker will be Dr. Amit Basu from Brown University.

"Cutting Carbohydrates"

Dr. Amit Basu
Associate Professor of Chemistry
Brown University

No, this is not the latest diet fad, as carbohydrates are much more than just an energy source for life. They also serve as molecular markers, often found on the surface of cells, that mediate cell-cell communications. The proper presentation of these markers is carried out by enzymes that attach and remove sugars on macromolecules. Carbohydrate processing enzymes are involved in a variety of normal as well as pathological processes in Nature. I will discuss some of these functions, as well as presenting some of our work probing these enzymes, including strategies for identifying small molecule inhibitors and studies of carbohydrate processing in plant growth.

Amit Basu received his BA in 1992 from Reed College, where he carried out senior thesis research with Patrick McDougal. Following doctoral work with Peter Beak at the University of Illinois, Urbana-Champaign and postdoctoral studies with Daniel Kahne at Princeton University, he joined the Chemistry Department at Brown University in 1999. His current research interests include studies of the chemical, biological, and materials properties of cell surface carbohydrates, and the development of novel nanoscale organic materials.

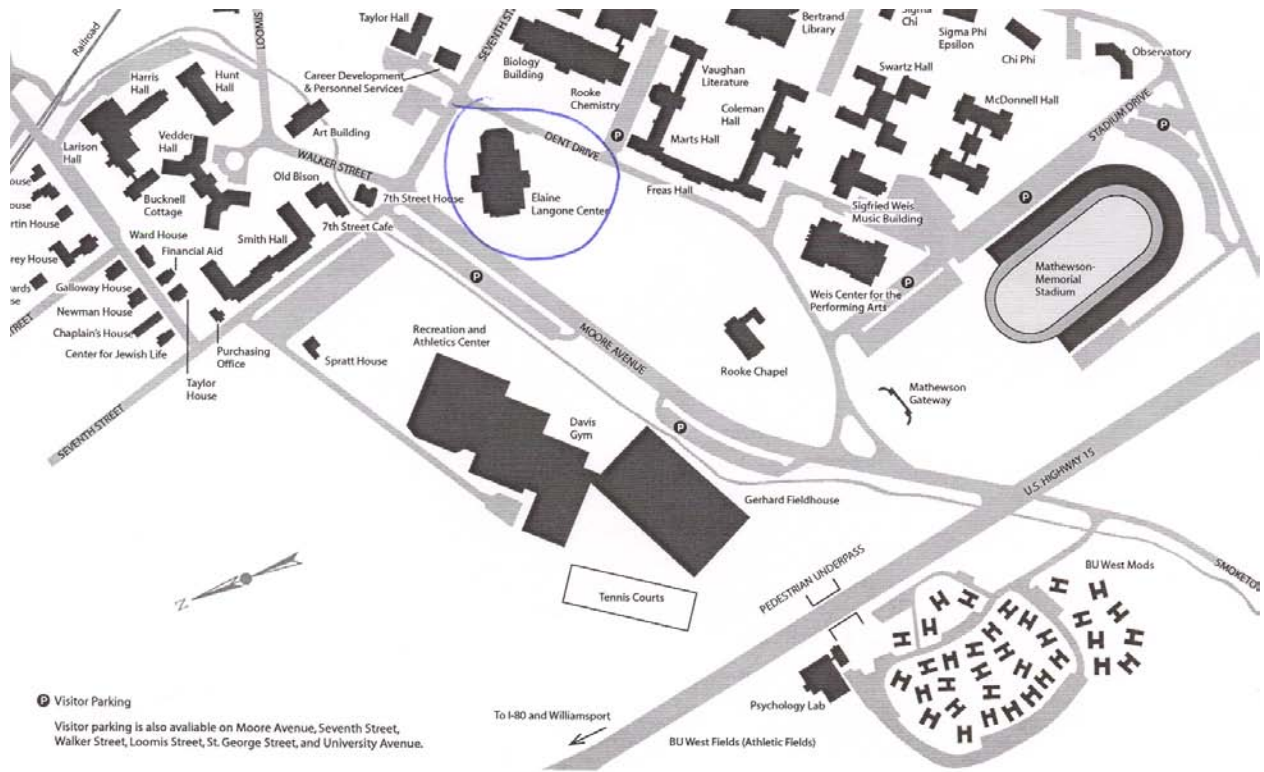
DINNER:

Dinner entrees will be a buffet dinner including a vegetarian option and dessert. The cost will be \$12.95 per person. Please RSVP Suellen Beck by email sb047@bucknell.edu or phone (570) 577-3258 by September 13.

DIRECTIONS TO BUCKNELL UNIVERSITY:

East of Lewisburg:	West of Lewisburg:
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.)
South of Lewisburg:	North of Lewisburg:
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 "Ⓢ".



 Section Web Page: <http://course.wilkes.edu/SusquehannaValleyACS/>
