



## Sigma Xi Spring Banquet 2006 DC and FDA Chapters



Good Day All!

I hope this newsletter finds all in good health and spirits. This newsletter is a bit late getting out and for that I apologize. Finding affordable locations with available dates is becoming difficult if I don't book them very far in advance. We will have short business meeting including elections and the FDA chapter will award their student poster winners prior to the lecture. DC Chapter election note: our by-laws state that the President and Vice President can serve no more than 2 two year terms, Shuko Yoshikami our VP and I have both served 2 terms at this point. We both however have offered to continue serving in our positions. We will need a vote to amend the by-laws or nominate others. Dr. Jeffery Hatfield of the USGS has offered to be nominated as our new chapter secretary.

When: **Friday May 12, 2006** (yes it's a week later than usual)  
**6-9pm**

Where: **That's Amoré, Shady Grove Location**

Who: **Dr. Joany Jackman – John's Hopkins University Applied Physics**



What: **Using Biology against Bioterrorism**

Pathogens themselves have natural enemies, have natural means to sample bacteria or virus and are the evolutionary target of biological systems to overcome the effect of the pathogen. Some of these strategies will be discussed relative to their exploitation in combating bioterrorism.

Dr. Jackman received a Ph.D. in Cell and Molecular Biology from University of Vermont in 1990. In 2000, she joined the staff at The Johns Hopkins University Applied Physics Laboratory. She was a post doctoral fellow at the National Institutes of Health before becoming an assistant professor at Georgetown University School of Medicine where she investigated the role of cell cycle control and apoptosis in cancer progression. Dr. Jackman began working in the area of infectious disease at US Army Medical Research Institute of Infectious Disease in 1997. The focus of this work was to develop novel methods of rapid pathogen identification and diagnosis of infection using mass spectrometry and microarray methodologies. Dr. Jackman joined the Johns Hopkins University Applied Physics Laboratory in 2000 where she has continued her work in rapid pathogen identification and advises in biocontainment facility design and operations. In 2003 she received the Christopher Columbus Homeland Security Award in the area of Emergency Response. Dr. Jackman is developing methods to analyze breath for novel markers of infection. This technology uses proteins and lipids secreted by the host in response to pathogens in the lungs to detect signs of infection prior to the appearance of symptoms. The technique is non-invasive and rapid. Analysis is carried out using mass spectrometry of exhaled breath. Both the pattern of secreted proteins and the chronology of their production are used to identify infected individuals prior to the appearance of signs and symptoms.

Name: \_\_\_\_\_ Affiliation: \_\_\_\_\_

Guest (s) \_\_\_\_\_

Cost: **\$45 per person** Please make Checks Payable to: DC Chapter of Sigma Xi

Mail to: Sigma Xi  
c/o Cristina Paul  
670 Swan Dr  
Deale, MD 20751

RSVP by May 5 2006

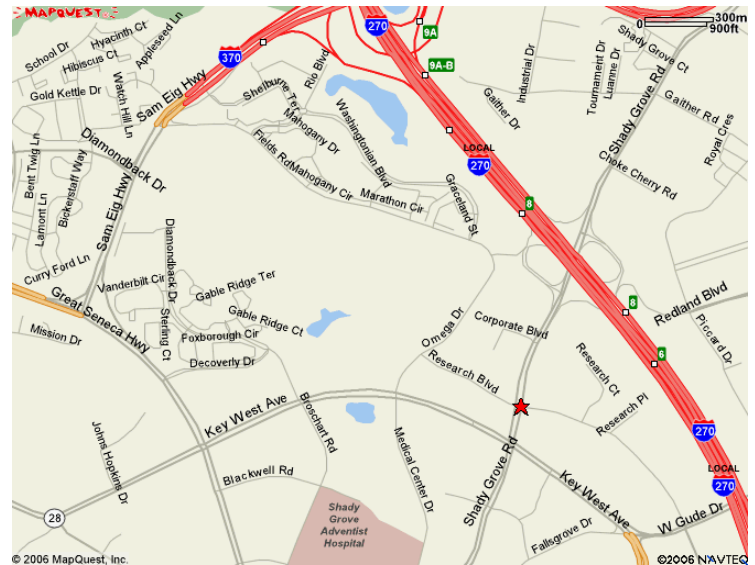
Questions? Etc... can be emailed to [mdcitrus@att.net](mailto:mdcitrus@att.net)

Directions: That's Amore

15201 Shady Grove Road  
Rockville, MD 20850  
Tel: 240-268-0682

- 1) Take I270 North to Shady Grove Rd. Exit West.  
Restaurant is at the intersection of Research Blvd and Shady Grove Rd which (should) be the second intersection from the ramp.
- 2) According to MapQuest.... You can also  
Merge onto I-270 LOCAL N via EXIT 6  
toward MD-28 / W MONTGOMERY AVE.  
Merge onto MD-28 W via EXIT 6B toward  
DARNESTOWN.  
Turn RIGHT onto SHADY GROVE RD.

Lets Eat! : Buschetta and Antipasto Freddo appetizers  
Mixed greens salad and Insalata Amore  
Linguini with Mussels and Fettuccini al Pesto  
Chicken Marsala and Chicken Parmesan  
Tira Misu for Dessert!  
Coffee, iced tea and sodas served with the meal / Cash Bar will be Available!



In Other news:

(Available on line at <http://www.sigmaxi.org>)

### **EXECUTIVE DIRECTOR PATRICK D. SCULLEY ANNOUNCES RETIREMENT**

Patrick D. Sculley has announced his retirement effective June 30 after four years as executive director of Sigma Xi, during which he oversaw planning and construction of our new administrative offices in Research Triangle Park, NC. Should the search for his successor extend beyond his planned retirement date, the Board has accepted his offer to serve beyond June 30, in order to effect a smooth transition in leadership.

“Sigma Xi programs and activities have gained a lot of momentum in the past few years, and I very much want to see that continue,” Sculley said. “But it’s time for me to step back and spend more time with my family; however, I plan to go full-tilt until I walk out the door, and will always remain an ardent Sigma Xi supporter.”

I have met Dr. Sculley during the national meetings I have attended on our chapters behalf. He will be greatly missed.

### **NEW! SEARCHABLE, DOWNLOADABLE AMERICAN SCIENTIST ANNUAL INDEX**

American Scientist’s annual index is now available as a downloadable, searchable pdf file with hyperlinks to all articles, columns and book reviews. You can store the PDF on your computer and have your favorite articles always at your fingertips. To access the 2005 index, navigate directly to <http://www.sigmaxi.org/AS2005/index.pdf> or follow the link on the “Members Only” page at <http://www.sigmaxi.org/member/membersonly/index.shtml>

*Science in the News Weekly* is a digest of science news stories appearing in the mainstream media. It is delivered every Tuesday morning (or Wednesday morning in the case of a Monday holiday) as part of Sigma Xi’s public understanding of science program area, in conjunction with *American Scientist* magazine. You can use our [online signup form](#) to subscribe, or read the latest issue online at <http://www.americanscientist.org/template/Newsletter?topicid=701>. To unsubscribe, or to change your e-mail address or subscription options, visit our [account management page](#). For more information, please see the [Sigma Xi Web site](#), and keep up with [“Science in the News,”](#) updated every weekday.

New Members????!!!!!!!

Do you know anyone who has the scientific drive and experience to join Sigma Xi? We are always searching for new members either at the Full or Associate levels. To remain “active” our chapter must indoctrinate 1 member per year (3 new members every 3 years). Please help us with the search! The DC Chapter has been reduced from over 800 members in the 90’s to below 600 at present. If you know of anyone worthy of nomination please contact me at [mdcitrus@att.net](mailto:mdcitrus@att.net). Nomination forms can be downloaded from the website at <http://www.sigmaxi.org/member/join/nom.shtml>