



# THEOBALD SMITH SOCIETY

New Jersey Branch  
American Society for Microbiology  
<http://users.tellurian.com/tss>

## Annual Picnic and General Business Meeting LOG CABIN

Cook Campus, Rutgers Univ., 140 Log Cabin Rd., New Brunswick, NJ 08901

**Tuesday, June 16, 2009**

**From US Rte. 1 S:** Proceed on Rte. 1 S past the exit for Rte. 18. Take the exit for College Farm Rd. Continue along College Farm Rd. and turn right onto Dudley Rd. Continue along Dudley and turn right onto Ryders Ln. Proceed along Ryders Ln. and turn left onto Log Cabin Rd. Turn left and follow Log Cabin Rd past Holly House. The Log Cabin will be ahead on the left.

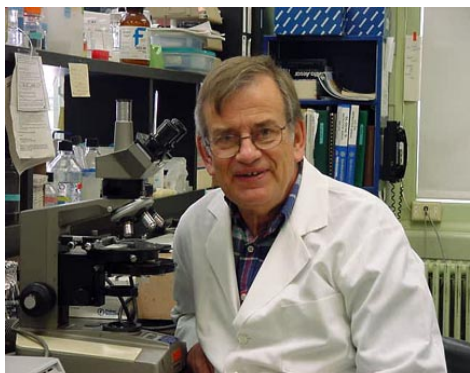
**From US Route 1 N:** From Rte. 1 N, take the exit for College Farm Rd /Sqibb Dr. Follow Squibb Dr. to the end and make a left onto College Farm Rd. Continue along College Farm Rd and turn right onto Dudley Rd. Continue along Dudley Rd and turn right onto Ryders Ln. Proceed along Ryders Ln. and turn left onto Log Cabin Rd. Turn left and follow Log Cabin Rd past Holly House. The Log Cabin will be ahead on the left.



**Visit the TSS web site (above) or [www.rutgers.edu](http://www.rutgers.edu) for more complete directions**

**Schedule:** Go to our web site for any last minute changes

<b>4:30 – 5:30 PM</b> Business Meeting	<b>5:30 – 6:30 PM</b> Dinner	<b>6:30 – 7:30 PM</b> Lecture (see below)	<b>7:30 – 8:30 PM</b> Social Hour
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### Professor II

**Department of Biochemistry and Microbiology  
Cook College, Rutgers University**

B.Sc. (Botany), University of London, UK, 1956  
Ph.D. (Mycology), University of Exeter, UK, 1959

### Fenton & Eveleigh Chair

The central thrust of Dr. Eveleigh's research is to understand the role, mechanism and application of microbial polysaccharases, which are characterized from microbiological, biochemical and molecular biological perspectives.

*Dr. Eveleigh will entertain us with a discourse, which will include a video, on*  
**Benjamin Franklin, Thomas Paine & George Washington;  
Friends in Microbiology**

### Picnic Menu and Dinner Arrangements

**Sandwiches, Deli Salads, Dessert, Beer, Wine, Soft Drinks**

**Cost:** TSS reg. members and guests age 13 and over, \$10  
Non-members, \$15 (\$10 if you join TSS that day)  
Children ages 7-12, \$5; Children age 6 and under, free  
TSS student members, free (non-members, \$5 w/ a membership)

**RSVP by June 12<sup>th</sup> to [theobald.smith@verizon.net](mailto:theobald.smith@verizon.net) or call Joyce at: 732-822-0580**  
*(after June 12<sup>th</sup>, please call)*

Send payment to Dr. Andrew Marinucci, 102 Nancy Drive, Mercerville, NJ 08619  
(payment will also be accepted at the door)

*---The lecture is free. All are invited to attend.---*

## **2009-2010 TSS Elections: Candidates for Office (ballot on p. 3)**

If you return your ballot by surface mail, make sure your name is on the outer envelope—you may use a second, unmarked envelope placed inside the outer envelope if you wish to maintain anonymity.

If you e-mail your response, make sure your name is in the main body of the e-mail. Place “TSS Election” in the subject line. Send completed ballot as an attachment to maintain anonymity.

**You must be a member in good standing of the Theobald Smith Society to have your vote count.  
The Past-president will confirm your membership status.**

### **President-elect: (1-year term as President-elect and 1-year term as President)**

#### **Martha Beyazova**

Employment history: Research Fellow, International Flavors and Fragrances, Union Beach, N.J.; Associate Principal Scientist, Schering-Plough Research Institute, Kenilworth, N.J.; Visiting Investigator, Waksman Institute, Rutgers, The State University of New Jersey; Curator, National Bank of Industrial Microorganisms, Sofia, Bulgaria; Adjunct Professor on the Biology Faculty, Sofia University, Bulgaria.

Education: Ph.D. in Biology, Biology Department, Sofia University, Bulgaria; B.S., Microbiology Department, same Institution.

Research and areas of expertise: Taste Receptors and Electrophysiology, Taste Sensory Research; Cell Biology—Mammalian cell cultures, cell-based assays for high-throughput screening (HTS) and early toxicity testing; Statistical analysis and lead identification; Scale-up of mammalian cell cultures; Taxonomy and Phylogeny of Actinomycetes; Classification of Micromonospora strains by rDNA and GyrB gene sequences; Classification of Streptomyces, Saccharothrix, and Frankia using PFGE; Bioinformatics: GCG, PAUP, and Phylip software; Microbial Ecology—direct detection and identification of Actinoplanetes in environmental samples; Fermentation and strain improvement; Isolation and cryopreservation of organisms.

Awards: IREX Scholarship Award, SPRI Award for Excellency.

Memberships: U.S. Federation of Culture Collections (Treasurer, 1999-2002), Member-at-large on the Board of Directors; Member of ASM and TSS; Society of Biomolecular Screening (SBS).

In addition, Dr. Beyazova is an author of peer review articles. She is the current Secretary of TSS and has served in this position for two years. She previously served as a TSS Local Councilor for three years.

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### **Secretary: (2-year term)**

#### **Diane Davis**

Diane Davis, following her B.S. in Foods and Nutrition (University of Delaware) earned a Ph.D. in biochemistry (Rutgers University, 1986). She studied the functional domains of a proteinaceous amylase inhibitor from wheat flour and its interaction with  $\alpha$ -amylase. After two years at home with small children, she returned both to the classroom, lecturing for the Department of Biochemistry and Microbiology and Continuing Professional Education at SEBS (School of Environmental and Biological Science), and to the research laboratory, investigating the biochemistry and molecular biology of green fluorescent protein - GFP. In 1995 Diane became the Instructional Laboratory Coordinator for General Microbiology and Applied Microbiology at SEBS, currently with over 350 students taught annually. Her research interests include the use of thermophilic enzymes for enhanced cellulose degradation. Through her grantsmanship and persistence, essential equipment has been updated and the SEBS microbiology teaching laboratory has been equipped with internet connected workstations, digital imaging capabilities, a fluorescence microscope, and enhanced capabilities for classroom demonstration and student presentations. Diane's passion for digital imaging and for microscopic images in particular, fueled the development of her web site as a learning resource for students. This website has generated international requests for teaching materials and images. Recently an image from the site was published in the latest addition of *Fungal Families of the World*, (CABI Press, UK 2007). As a member of the SEBS teaching faculty, her primary classroom and research interest is pedagogy. Diane presented an innovative exercise encouraging integrated learning in the college teaching laboratory, at the national ASMcue (Conference for Undergraduate Educators) in May. For the last year she has served as a local councilor for TSS.

**Alternate National Councilor : (2-year term as Alternate, 2-year term as Councilor)**

**Prakash Masurekar**

Prakash S. Masurekar received his Ph.D. (1973) and M.S. (1968) degrees in Biochemical Engineering from Massachusetts Institute of Technology. His doctoral thesis advisor was Prof. Arnold Demain. After completion of his studies, he worked at Eastman Kodak Company, W. R. Grace and Company and Merck and Company Inc. While at Eastman Kodak he developed processes to produce enzymes from microbial sources for use in the clinical diagnostic system manufactured by Kodak. He designed, built and operated a pilot plant for the production and isolation of enzymes. At W. R. Grace and Company, he was involved in the development of fermentation processes for the production of amino acids. He designed and initiated construction of a pilot plant before moving to Merck. He was a member of Merck Research Laboratory (MRL) for more than 24 years. His position at MRL when he retired was Director of Natural Products Microbiology. While at Merck he was involved in the development of processes for the production of antibiotics, antifungal agents, human therapeutic compounds and animal health drugs. His most notable contributions at MRL were the production processes for the anti-fungal cyclic lipopeptide, pneumocandin B<sub>0</sub>, the natural product precursor of Cancidas and for lovastatin, respectively. Cancidas is used for the empiric therapy of systemic fungal infections and is the most efficacious and safe anti-fungal drug available today. Lovastatin (Mevacor) was the first statin marketed for the treatment of hypercholesterolemia and is the natural product precursor to Zocor. In addition, he served on the editorial board of Applied and Environmental Microbiology from 1980 to 1986. He has also been a guest reviewer for Applied Microbiology and Biotechnology as well as for Biotechnology and Applied Biochemistry. He has written numerous publications in peer reviewed journals and book chapters. He is holder of 19 patents. Dr. Masurekar has served as the President-elect and the President of TSS. At the present time he is the Chair-elect of Division O of ASM and will begin his term on May 20, 2009. He is a member of SIM, and in August, 2008 was elected Fellow of the Society.

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**Local Councilors: (3-year term)**

**Lee Kerkhof**

Dr. Kerkhof is a Professor in the Department of Marine and Coastal Sciences, Cook College, Rutgers University.

**Howard Singer**

Dr. Singer received a Warner Lambert-American Chemical Society Scholarship at Oberlin College where he received his B.S. in Biology and Chemistry. He received an M.S. in Microbiology at the University of Minnesota as well as a Ph.D. in Molecular Biology and Microbiology. After graduation he took a job in the Biology Department at New Jersey University where he is currently a full professor. His research was on bacterial cell walls and lytic enzymes and he has a number of publications. He has also been active in the environmental movement. He has been an ASM member since his undergraduate days and is a long-time member of TSS. He has served as President, co-President, and National Councilor of TSS.

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**Theobald Smith Society 2009-2010 Ballot**

President-elect:	Martha Beyazova	For: _____	Against: _____
Secretary	Diane Davis	For: _____	Against: _____
Alternate National Councilor	Prakash Masurekar	For: _____	Against: _____
Local Councilors (vote for 2):	Lee Kerkhof	For: _____	Against: _____
	Howard Singer	For: _____	Against: _____

**Return ballot by June 15, 2009 to: Joyce Kohler                      joycekohler36@earthlink.net**  
**15 Yeger Drive**  
**Allentown, NJ 08501**