

## Carver Award Recipient: Sharon L. Haynie, Ph.D.

Dr. Sharon L. Haynie was born and raised in Baltimore, Maryland and educated in the Baltimore City Public Schools. She had her first chemistry course in 8th grade because her science class was selected to participate in a national pilot study on the effectiveness of teaching chemistry in junior high school.

At the University of Pennsylvania (1973 - 1976, B.A., Biochemistry) she enjoyed research experiences ranging from organic synthesis, biophysics and biochemistry to biochemical engineering.

This broad exposure to and enjoyment of the chemical sciences led her to the Massachusetts Institute of Technology (1977 - 1981, Ph.D., Chemistry) where she studied in an atmosphere of broad, diverse science with Professor George Whitesides.

Dr. Haynie enjoyed a 3-year stint at the former AT&T Bell Laboratories before she joined the research community of the DuPont Company at the Experimental Station Laboratories (Wilmington, Delaware). For most of her 28-year tenure at DuPont, she has been in the Central Research & Development Department.

Her research activities have ranged from new materials for therapeutic use (e.g. vascular graft; antimicrobial materials, medical adhesives) to biocatalysis for green chemistry applications.



Dr. Haynie has also served brief appointments as an adjunct professor of chemistry at Delaware State University and the University of Delaware.

For ten years, Dr. Haynie served as a summer research mentor for 12 high school interns through ACS Project SEED. Several of those students have gone on to great careers in the science and technology sector.

Dr. Haynie was a member of a large DuPont/Genencor team that received the 2003 EPA Presi-

dential Green Chemistry Award for New Innovation in developing a commercial bio-process to 1,3-propanediol.

In 2007, she was awarded the Middle Atlantic Regional Award for Volunteer Service. In 2008, Dr. Haynie was recognized by NOB-CHE for her service and research with the awarding of the Percy L. Julian Award. In 2011, Dr. Haynie was privileged to be selected as a participant in the joint Franklin Institute and History Makers Program: The Color of Science.

Throughout her career, Dr. Haynie has been active in various professional service communities. She is a past co-chair of the Chemical Sciences Roundtable (National Academy of Sciences) and a past-chair of the American Chemical Society (ACS) ACS Philadelphia Sec-

tion. She is currently on the board of the Chemical Heritage Foundation and a member of the ACS Budget & Finance and Audit Committees.

Beyond science service, Dr. Haynie enjoys volunteer work that strengthens individuals and improves the urban community where she lives. Over four decades, these activities have been diverse and have ranged from serving as a Girl Scout leader, Big Sister mentor, neighborhood representative on community police advisory board, a tree tender, science textbook reader for the Blind & Dyslexic, tutoring adults with basic literacy needs.

She has a passion for reading, history, basketball, jazz, visual and vocal arts, textile arts, walking and traveling.



## Science Festival

The Philadelphia Science Festival is an opportunity for Philadelphia's schools, universities, cultural institutions and research centers to come together as a single, united voice to put science in the spotlight.



The 2013 Festival will be April 18-28 on the Ben Franklin Parkway with an outdoor Carnival showcasing fun and interactive science on April 20. To obtain more information on how to get involved, go to: [http://www.philasciencefestival.org/get\\_involved](http://www.philasciencefestival.org/get_involved).



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