

2007 Frontiers in Physiology Research Teachers and Hosts Honored at EB 2008

Fifteen Research Teacher (RT) Fellows and their APS member Research Hosts in the year-long 2007 Frontiers in Physiology Professional Development Fellowship were honored at a luncheon at EB 2008. Also honored were the Physiologists-in-Residence: Joey Benoit (University of North Dakota), and Clintoria Richards-Williams and Jessica Clark (2007 K-12 Minority Outreach Fellows); and the Mentor/Instructors who were past RTs: Charles Geach (Texas), Margaret Shain (Indiana), and Tonya Smith (South Carolina).

The RTs concluded their fellowship year by experiencing this scientific meeting, participating in the Physiology for Life Science Teachers and Students Workshop, and attending the Physiology Understanding Week Training Session (see related stories in this issue). Two RTs, Erin Ody (Indiana, with C. Subah Packer, Indiana Univ. School of Medicine) and Lorraine O'Shea (North Dakota, with Van Doze, Univ. of North Dakota School of Medicine), presented their summer research project during poster sessions.

In addition to the RTs' 7-8 week research experience with their Research Host last summer to learn first-hand how the research process works, they attended the "APS Science Teaching Forum," an intensive workshop week focused on student-centered teaching methods at the Airlie Center in Warrenton, VA. The Mentor/Instructors and the PIRs facilitated sessions using



The 2007 Mentor/Instructors for the Frontiers program enjoy their role in leading the professional development program for the RT Fellows throughout the year. From left to right: Tonya Smith, Margaret Shain, and Charles Geach.

APS curriculum units and explored inquiry- and equity-based teaching strategies, while integrating technology into their classroom, and addressing equity and diversity in science education. Last fall, the RTs developed and enhanced their own inquiry-based lab activity for the science classroom, as well as completed online assignments for this fellowship.

The Frontiers in Physiology program is designed to create ongoing working relationships between research scientists and middle/high school teachers via research and inservice experiences. Additionally, the program promotes the adoption of national standards for K-12 content and pedagogical techniques

among middle and high school science teachers through ongoing inservice activities developed collaboratively by teachers and physiology researchers.

Frontiers in Physiology is a program of APS, and is sponsored by the APS, the National Center for Research Resources and the National Institute of Diabetes and Digestive and Kidney Diseases at the National Institutes of Health. A newly launched website for the Frontiers in Physiology program is available at <http://www.frontiersinphys.org>. For additional program information, or if you are interested in hosting a teacher next summer, email Mel Limson in the APS Education Office (mlimson@the-aps.org). ❖



The 2007 RT Fellows celebrate the culmination of their year-long fellowship program with the APS at an awards luncheon honoring them and their APS member Research Hosts.