The 29th Annual Meeting of the Oklahoma Society of Physiologists (OSP) was held on Friday, June 18, 2010 at Oklahoma State University Center for Health Sciences in Tulsa, Oklahoma. The theme of this one day conference was Integration of Clinical and Biomedical Sciences in Medical Schools. It was organized by Alexander Rouch, Ph.D., President of OSP for 2009-2010.

There were three one hour presentations given by physiologists focusing on the theme: 1) Dr. Alexander Rouch spoke 9:30-10:45 a.m. on Curriculum Development for Medical Schools; 2) Dr. Warren Finn and his research assistant Cody Rice spoke 11 a.m. – Noon on Evidence-Based Medicine; and 3) Dr. Bruce Benjamin spoke 1-2 p.m. on Simulation-Based Teaching. Dr. Rouch recommended the book written by David Kern, M.D. and others entitled *Curriculum Development for Medical Education: A Six-Step Approach*. Curriculum should be linked to ongoing assessment of health care needs, e.g., treatment of chronic disease is a need that must be imminently addressed. Dr. Finn spoke about the importance of medical students learning about how to access best practices and current advances for doctors using databases through internet and Smart phones. Dr. Benjamin spoke on their experience at OSU College of Osteopathic Medicine with the use of computer simulations of mannequins with various diseases for learning diagnosis.

Other activities included posters, lunch, a business meeting and evening fun. A number of posters were shown during two ½ hr. breaks, one in the morning and one in the afternoon. Lunch was provided courtesy of OSP from Noon to 1 p.m. in the atrium of OSU College of Osteopathic Medicine. A business meeting was conducted from 2-3 p.m. New officers for 2010-2011 are: President Suzanne Vincent, Ph.D., Oral Roberts University; President-Elect Connie Hebert, Ph.D., Tulsa Community College; and Secretary-Treasurer Alexander Rouch, Ph.D., OSU-CHS. Dr. Rouch gave a budget report and a report from the State Chapters meeting that he attended during the April 2010 American Physiological Society conference. Brainstorming about next summer’s OSP meeting 2011 was also done. Some participants of OSP attended the Tulsa Drillers baseball game in the evening.
Registration – Betty Jo Westerfield handling the registration once again. Dr. Warren Finn signing in and Sallie Ruskoskie, graduate student, talking with Dr. Randy Wymore.

Dr. Craig Clifford from Northeastern University in Tahlequah signs in.

Dr. Kath Curtis getting some coffee.

Jim Elder from Tulsa Community College enjoying refreshments at the registration as Dr. Jyoti Abraham from Bacone College in Muskogee signs in.
Zijia Zhang, Dr. Kirby Jarolim, Dr. Ken Miller, and Yinka Ibitoken.

Dr. Bruce Benjamin and Dr. Dan Cogan.

Drs Benjamin, Curtis, Clifford, and Rouch.

Dr. Nedra Wilson, Criag Clifford and Sallie Ruskowskie.
Dr. Rouch talking about curriculum development in medical schools.

Dr. Rouch introducing Dr. Finn
Dr. Finn talks about Evidence Based Medicine in medical school curriculum and how physiology plays a significant role.

Dr. Benjamin talks about the powerful experience of using physiological simulations in a medical and graduate curricula.
Response of persons diagnosed with dementia to cognitive and water exercises
Matilda, EK, Suzanne Vincent, and Mary Nole

Response of substance P and glutaminase containing neurons in rat dorsal root ganglion during inflammation
Zhang, Z, E.M Hoffman, K.M Edwards, R. Schechter, and K.E. Miller

Response of rat dorsal root ganglion to peripheral inflammation
Wang, T., Z, Zhang, and K.E. Miller

Corneal afferents contain synaptic vesicle proteins:
Synaptophysin I and Synaptophysin II
Ibitokun, O. and K.E. Miller