

**After Action Report
OSP Meeting 3 June 2005
Tulsa Community College Southeast Campus**

Highlights:

- Dr. Warren Finn – Presentation on Walter Cannon
- Dr. Kennon Garrett and Dr. Bob Blair – Team Based Learning presentation and workshop
- Chao Qin – graduate student presentation
- Demo by Biopac on EEG recordings
- Luncheon
- Posters
- McGraw-Hill Exhibit

The 24th annual meeting of the Oklahoma Society of Physiologists was held on Friday, 3 June 2005 at Tulsa Community College (TCC) Southeast campus in Tulsa, Oklahoma. This year's meeting was named "**Year of Neurophysiology**". **Dr. Connie Hebert**, from TCC and the OSP President, worked extremely hard along with **Ashley O'Banion** to ensure a very successful meeting. TCC has a great campus with state-of-the-art facilities that serve the community well. A new biotechnology center is being built on the TCC campus and this will serve to train technicians, students, and other personnel in DNA technology.

Dr. Hebert opened the meeting at 9:30 am, introduced guests, and provided an overview of the meeting and history of OSP. She reviewed the activities of last year's meeting which was also held at TCC. She then introduced Dr. Finn for the first presentation.

Dr. Warren Finn from OSU-Center for Health Sciences presented an excellent presentation on the past history of neurophysiology by reviewing Dr. Walter Cannon's work. Dr. Finn has the actual laboratory notebook of Dr. Cannon. This presentation was well-received by everyone. Senior faculty reminisced on how many research techniques used to be conducted in the laboratory. **Dr. Suzanne Vincent** from Oral Roberts University reminded everyone that Dr. Cannon was the first president of APS.

Dr. Kennon Garrett and Dr. Bob Blair from OU-Health Sciences Center planned and presented a symposium with a workshop on Team Based Learning. Their presentation stimulated much discussion among the graduate students and faculty on this effective teaching method. Drs. Garrett and Blair organized members into groups and assigned cases related to neurophysiology of the autonomic nervous system. Groups then spent time working through the cases. When finished with group activity, test questions were posed to the groups and representatives from each group explained their answers. Members had a very interesting discussion with Drs. Garrett and Blair on the TBL method. Members agreed to have more presentations on teaching techniques at future annual meetings.

A representative from **Biopac**TM showed members their latest physiological instrumentation for measuring EEG. He gave a presentation to the members on how to measure and record brain waves in a person and observe the changes upon different brain activity, e.g., doing math in the head vs relaxing. Ashley O'Banion volunteered to be the subject for this presentation.

Members enjoyed lunch catered by Subway.

A representative from McGraw Hill set up a booth for members to view the latest materials.

The final presentation was by **Chao Qin**, graduate student from OU-Health Sciences Center, who gave an interesting talk on his graduate work on pathways of spinal neurons.

Posters:

Cognitive recognition of an action verb in the semantic memory recall of humans

R. Sobkoviak, J. Hart, S. Vincent. Oral Roberts University

Hyperexcitability of lumbosacral spinal neurons receiving input from urinary bladder in rats with inflamed colon

C. Qin, A. Malykhina, H. Akbarali, R. Foreman. OU Health Sciences Center

Afferent pathway and responses of thoracic spinal neurons to irritation of lower airways in rats

J. Farber, C. Qin, R. Foreman. OU Health Sciences Center

Do pulmonary C-fibers influence responses of slowly adapting airway receptors (SARS) to inhaled ammonia?

M. Wu, C. Qin, R. Foreman, J. Farber. OU Health Sciences Center

Effects of dietary protein on mouse glomeruli

F. Anyomi and A. Rouch. OSU-Center for Health Sciences

Glutaminase inhibitors as potential therapeutic agents for pain relief

K. Miller. OSU-Center for Health Sciences

Insulin and phosphorylated insulin receptor, GSK-3beta and ERK are present within the rat brain mitochondria

R. Schechter, T. Lam. D. Beju, K. Miller. OSU-Center for Health Sciences

Compound action potential recording from optic nerves: a tool for interpreting retinal encoding

W. Finn, P. LoPresti. OSU Center for Health Sciences and Tulsa University

The business meeting was held in the afternoon.

Members look forward to next year's meeting on June 2, 2006.

Submitted by,

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