The sciences are of a sociable disposition and flourish best in the neighborhood of each other. ~Sir William Blackstone

2009 A.T. Still University Research Symposia

For the first time, A.T. Still University hosted two research symposia this year. On September 26, 2009, the Interdisciplinary Biomedical Research Symposium was held on the Kirksville campus. On November 6, 2009, the Inaugural Arizona School of Health Sciences Research Symposium was held on the Mesa campus. Both symposia included several oral presentations and a poster session. A listing of the posters presented at the symposia by A.T. Still University faculty and students is presented below.

The Interdisciplinary Biomedical Research Symposium was a joint undertaking between A.T. Still University and Truman State University. The primary purpose of this symposium was to promote and expand interdisciplinary, collaborative biomedical research between the two campuses. Research faculty and students from both campuses participated in the symposium, highlighting the interdisciplinary nature of the event. One hundred twenty-two people attended the symposium and included 31 faculty members and 26 students from A.T. Still University and 26 faculty members and 27 students from Truman State University. In addition to oral presentations and the poster session, the program schedule included three panel discussions on human research, animal models, and student research opportunities. Each panel was comprised of faculty from both campuses.

The Inaugural Arizona School of Health Sciences Research Symposium was conducted to promote an interdisciplinary research culture between the faculty and students at A.T. Still University’s Arizona School of Health Sciences. The symposium was also intended as a forum for recognizing the scholarly efforts of all researchers at this school. One hundred twenty-five people attended the symposium and included 25 faculty members, 70 students, and 8 alumni. Five oral presentations were given by students from the departments of Audiology, Athletic Training, Human Movement, Occupational Therapy, and Physical Therapy.
Adatia NA*, Singh VK, Sargentini NJ. Is the nadR gene co-regulated with serB and radA in *Escherichia coli*?


Bosch PR*, Lysnkey JV, Wing MK. Feasibility and effectiveness of whole-body intensive rehabilitation in chronic stroke survivors.

Bubel J*, Hovorka M, Middlemas D. Expression of TrkB in neuronal maturation in newborn cells and more mature neurons.


Castille DL*, Sargentini NJ. Gene expression in x-irradiated *Escherichia coli*.

Cox JL*. Cystatin C over-expression helps protect B16 melanoma cells from cell death.

Davenport K*, Snider E, Fossum C, Degenhardt BF, Johnson JC, Singh VK, Sargentini NJ. Relief of nociceptive pain in the rat by manual therapy.

Dood KP, Geisbuhler TP*. The effect of hawthorn extract on coronary flow.


Gaffney J*, Theobald RJ, Chang Y. Calcium flux in urinary bladder smooth muscle cells.

Hayes DM, Forrester BM*, Miller JE, Baer RW. Quantitative network descriptors of endothelial tubulogenesis on matrigel.


Houser JJ*. Enhanced cutaneous sensation mitigates vibration induced postural sway.

Hovorka MS*, Ewing DE, Middlemas DS. Confocal laser scanning microscopy at KCOM.

Hovorka MS, Uray NJ*. Evidence of microscopic clusters of neuronal cell bodies along the spinal accessory nerve.


Hudman DA*, Sargentini NJ. Role and mechanisms of DNA repair in *Escherichia coli* sensitivity to antibiotics.

Kuhn K*, Smith E, Cottey A, Cottey E, Carlson CG. The effect of in vivo administration of gossypol on p65 expression in dystrophic (mdx) muscle.


Rhodes JA*. Quantitative analysis of Feulgen-stained tissue.

Richardson NC*, Sargentini NJ, Stuart MK. Production of monoclonal antibodies to the *Escherichia coli* DNA repair protein, RadA.


Shapiro JA, Nguyen V, Chamberlain NR*. Survival of planktonic and sessile *Staphylococcus epidermidis* cultures treated with levofloxacin.

Smith TJ*, Quinn N, Losee JT, Sexton WL. Impact of diabetes on microvascular PO$_2$ and blood flow during contractions in rat skeletal muscle.


Teal KM*, Baer RW. Melanoma migratory behavior is modulated by ET-1 and the Rho family small GTPases.


Valeja N*, Wessner M, Sexton PS, Sexton WL. VEGF expression in skeletal muscles of the rat hindlimb after voluntary running.

Valovich McLeod TC, Bay RC, Snyder AR*. Adolescent athletes with a self-report history of sport-related concussion demonstrate lower health-related quality of life.

Webb Z*, Martin JR. Involvement of the cholinergic system of the posterior hypothalamic nucleus (PHN) during the reflex compensatory response to hemorrhage.


Worthington BD*, Peterson DF. A cool down period after a bout of dynamic exercise does not attenuate PEH in treadmill trained rats.
Inaugural Arizona School of Health Sciences Research Symposium

Posters

* indicates presenter

Bosch PR*, Lynskey JV*, Wing MK. Feasibility and effectiveness of whole-body intensive rehabilitation in chronic stroke survivors.


Ellery TE, Sauers EL, Snyder AR*, Bay RC. The design and development of the Functional Arm Scale for Throwers® (FAST®).

Ewing H*. Perceived stress and general health of student and practicing nurses internationally.

Gourley MG*, Bay RC, Valovich McLeod TC. Knowledge and recognition of concussion by youth athletes and their parents.

Hodges C*, Vander Veen L, Wood W, Maxwell B, Bay C. A systematic review examining the effectiveness of specific spinal stabilization exercises on various outcome measures in treatment of patients with chronic low back pain.


Roush J*. Characteristics of residents residing in assistive-living facilities and the relationship of ABC scores on falls.


Sartor-Glittenberg C*, Brickner L. A multidimensional physical therapy program, including use of a climbing wall, for individuals with cerebellar ataxia secondary to traumatic brain injury.

Sauers EL, Moran CL, Bay RC. Most professional athletic training education programs are NOT housed with peer healthcare professions.

Tanabe T, Valovich McLeod TC*, Bay RC, Snyder AR. A comparison of health-related quality of life between male and female adolescent athletes.

Wagoner MR*, Brooks DL, Fay DR*. Differences in motor performance in preschool children with motor delay when tested in an individual versus a group setting with typically developing peers.

Student oral presentation presenters of the Inaugural Arizona School of Health Sciences Research Symposium pictured with President Magruder

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