



Health & Human
Performance 

2007 annual report



UNIVERSITY of HOUSTON
Health & Human
Performance

University of Houston
College of Education

COLLABORATION
FOR LEARNING & LEADING

2007 Annual Report



The Department of Health and Human Performance

College of Education, University of Houston

The 2006–2007 Academic Year was another great year for the Department of Health and Human Performance (HHP). Building upon the progress made in previous years, the department continued to make significant strides in the areas of research, academics, and service. This progress was reflected in **35** peer reviewed research articles; **76** scientific presentations; curriculum revisions; personnel increases, and continued improvement in the quality of graduate students. Additionally, during the past year, the department administered over \$4,000,000 in funding to support research and other projects. We received funding for **18** new projects and submitted an additional **18** funding requests.

Academics

The most exciting academic news to report is that our new undergraduate degree track in **wellness** was approved by UH's undergraduate council. We anticipate receiving the approval of the state coordinating board sometime this coming year. This new degree track is the first of its kind in Texas and, to our knowledge, the first of its kind in the entire nation! The degree integrates the unique blend of specialists on our faculty in the areas of sport administration, obesity studies, health promotion, nutrition, and traditional kinesiology fields to offer a course of study that addresses the needs of an ever expanding population that continues to adopt sedentary behaviors. This degree option is directly in-line with current societal needs and is consistent with state guidelines for wellness programs for the youth of Texas.

Our **exercise science** degree track was certified by the American College of Sport Medicine (ACSM). The ACSM University Connection Endorsement Program (UCEP) was developed to assure program quality and consistency for programs in health/fitness and clinical exercise physiology, and was designed to recognize institutions with educational programs that meet the knowledge, skills and abilities (KSAs) specified by the ACSM Committee on Certification and Registry Boards (CCRB). University programs certified by ACSM ensure that students receive a comprehensive, standardized curriculum that addresses the KSAs for both the ACSM Health/Fitness Instructor and the ACSM Exercise Specialist certification examinations.

The University of Houston is currently undergoing a review by the Southern Association of Colleges and Schools (SACS), the primary accrediting body of the university. This review will be completed during the 2007–2008 academic year. Our doctoral program in Kinesiology is also being reviewed by the National Research Council (NRC), which will ultimately rank our program relative to other kinesiology programs across the nation. This past spring our doctoral program was reviewed by Academic Analytics, a private company that reviews and ranks programs based upon a variety of measurable outcomes, including the quality of students and faculty scholarly activity. Consistent with last year's Top 15 ranking from the American Academy of Kinesiology and Physical Education (AAKPE), we were ranked in the top 20% of all doctoral programs. This ranking is actually more impressive than the AAKPE rankings because it included all Kinesiology doctoral programs in the country, and was based on a comprehensive data set obtained from independent, professional investigators. For those of you that remember the old Southwest Athletic Conference, we finished well ahead of our two big in-state rivals, the University of Texas at Austin Longhorns and Texas A&M University Aggies!

In May the Graduate Research Degrees committee administered our first doctoral student qualifying exam. Our students read several chapters from the book *Great Feuds in Science*, and then used these readings as the basis for answering broad philosophical questions that were formulated by faculty members from other universities. These same faculty members were also responsible for grading the students' answers. We believe this exam provides our professors another indicator of our students' critical thinking and writing skills. This process will now become a regular feature of our doctoral program as we train students to apply the knowledge they've gained, and generate new knowledge designed to address ongoing societal issues.

The HHP faculty voted in May to approve the development of two new Master's of Science degrees. One of these programs is **Sports Nutrition and Nutritional Sciences** and the other is **Human Space Exploration Sciences**.

Our online Master's of Education degree benefited from an active internet advertising campaign and we now have more students in the online program than traditional M.Ed. students. The first of our fully online students graduated in June.

In June, two groups of HHP faculty were awarded UH sponsored Faculty Development Initiative Program (FDIP) grants totaling \$56,000 to further integrate the use of educational technology into a variety of our courses

Research

We continued to have success in obtaining funding to support our varied research projects. Our department now has three grants from the National Institutes of Health (NIH). Our projects continue to be funded by the Texas Department of State Health Services; Wyle Life Sciences (a NASA Life Sciences contractor); Episcopal Health Charities; POM Wonderful LLC (pomegranate fruit); Stampede Brewing Company, and the University of Houston.



TIGER study participants

Training Interventions & Genetics Exercise Response (TIGER) study, focusing on the relationship between obesity, genetics and exercise, is in its fourth year of operation, <http://www.uh.edu/tigerstudy>.

Understanding Neighborhood Determinants of Obesity (UNDO), designed to investigate the influence of environment on obesity among minority women, was in full swing this year with several interrelated projects being conducted in both Houston and Austin, <http://hhp.uh.edu/undo>.



Health is Power (HIP) study, one of the UNDO projects



BOUNCE-Lite participants

Behavior Opportunities Uniting Nutrition, Counseling, and Exercise (BOUNCE) program completed its third year with record attendance. The 12-week after school program had 96 participants, and the 3-week summer program, BOUNCE-Lite, had 40. The program uses a variety of physical activities, counseling, and nutrition education, and works with minority middle school girls and their mothers to determine if there are cultural factors that contribute to obesity, <http://bounce.uh.edu>.

The BAND study, a collaboration between our department and the UH Spirit of Houston Marching Band, is designed to assess the risk factors for cardiovascular disease and obesity-related conditions of band and cheer squad members. It also introduces them to a regular exercise program that can be incorporated into their practice routine. The study enters its 3rd year this fall.

Health Network for Evaluation and Training Systems (HNETS), providing research, evaluation, training and technical assistance to schools, communities and health care settings to meet their health goals, continues to be very active and received much positive publicity this summer, <http://www.uh.edu/hnets/index.html>.



Spirit of Houston Marching Band

The UH Research Council approved the creation of an **Obesity Research Center** housed in the department of Health and Human Performance. Dr. Rebecca Lee was named the center's first director. The goals of this research center include conducting basic and applied research in obesity prevention and control, as well as pursuing and advocating related programs and events. The broad purpose of the center also includes the education of students in an interdisciplinary approach to topics related, but not exclusive, to obesity-related health behaviors and related health compromising conditions. We look forward to continued growth of the center in the years to come.



Inside the Vomit Comet

We have many ongoing research projects, including one which involved two graduate students who had the opportunity to fly on NASA's experimental research aircraft (i.e. the **Vomit Comet**). http://hhp.uh.edu/Currentevents/07_vomit_comet.cfm.

Many of our research projects can be explored at <http://hhp.uh.edu/research/research.cfm>.



Graduate Student Research Day

Our second annual **Graduate Student Research Day** was held in October and was attended by over 300 undergraduate students. We continue to be very proud of our graduate students' involvement in research-related work. In fact, many of the presentations that day were subsequently presented by our graduate students at national and state research conferences.



Amir Pourmoghaddam

Special Events

On October 24th we hosted a PEB on the Plaza to introduce the campus to the wide variety of physical activity courses that they can take. Soccer, martial arts, ultimate Frisbee, combative sports, golf, tai chi, yoga and spinning were demonstrated throughout the day.



PEB on the Plaza



Dr. Foss and Dr. Birx in the LIP

On December 5th University of Houston Provost, Dr. Don Foss and Vice President for Research Dr. Don Birx visited the Department of Health and Human Performance. Following a building tour featuring DEXA scans and the **UNDO** project space, our guests visited the **Laboratory of Integrated Physiology (LIP)** where they observed end of semester **TIGER** student testing; experienced virtual reality; instrumented bicycling; gravitational unloading; muscle strength testing, and whole body vibration. They also learned of the HHP faculty's involvement in a wide range of research projects.

This past year we developed a few pod casts to keep our alumni informed of some of the activities occurring in our department. These pod casts can be viewed at <http://hhp.uh.edu/podcasts.cfm>.



Dr. Deborah J. Rhea

In May the **College of Education** hosted its annual fund-raising Service, Teaching, Assistance, Research, and Scholarship (STARS) banquet with rousing success.

Dr. Debbie Rhea received the HHP Distinguished Alumni Award in front of a packed house. Dr. Rhea is currently a professor of kinesiology at Texas Christian University (TCU), http://www.kinesiology.tcu.edu/faculty_rhea.htm, and specializes in studying eating disorders in the K-12 setting focusing on ethnic differences and effective pedagogical strategies for use in urban and large group physical education settings.



Dr. Andrew Jackson and Dr. Jan Wendt

Attendees of the STARS banquet also saw long time professor, **Dr. Andrew Jackson** win the College of Education's Distinguished Service Award for his years of valuable contributions to the college.



Dr. Chuck Layne & Ms. Lisa Snider

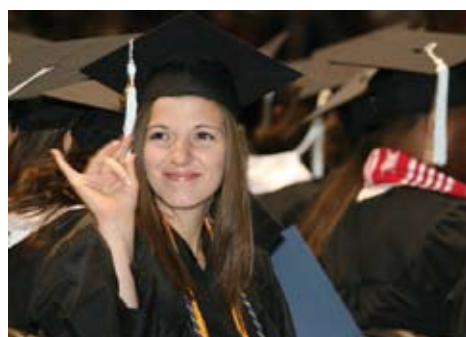
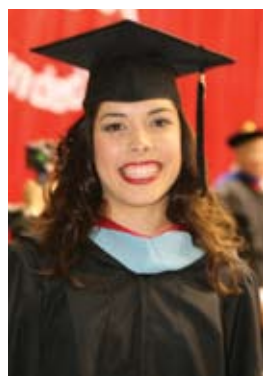


Dr. & Mrs. Demetrius Pearson



Randi Weintraub, Dr. & Mrs. Adam Thrasher and Dr. Lisa Alastuey

The University of Houston now holds graduation events in both December and May. In the past year we graduated **244 undergraduates** and **38 graduate** students. These former students now join the ranks as Health and Human Performance alumni! Once again graduation was a well attended and happy affair for the graduates, their families, friends and faculty. This year was no exception.



Families & Futures



Degrees Conferred

Graduate students 38

Undergraduate:

Health 54

Nutrition 46

Kinesiology/Exercise Science 72

Kinesiology/Movement Studies 24

Kinesiology/Sport Administration 48

Personnel



Dr. Rey Treviño

In July **Dr. Rey Treviño** accepted a clinical assistant faculty position to bolster our Sport and Fitness Administration program. A large portion of Dr. Treviño's time will be spent increasing and formalizing the internship opportunities in Sport and Fitness Administration. Raised in Corpus Christi and a graduate of Texas A&M University, Dr. Treviño returns home to Texas after working at Western Carolina University.

Dr. Dan O'Connor joined our faculty in Fall 2007 as an assistant professor specializing in measurement and experimental design of health-related projects. Dr. O'Connor earned his Ph.D. from our department under the direction of Dr. Andrew Jackson.



Dr. Dan O'Connor

At the UH Outstanding Faculty Awards ceremony in May it was announced that **Dr. Jill Bush** and **Dr. Rebecca Lee** were promoted to Associate Professor with tenure. This is a great accomplishment and we congratulate them both on this outstanding achievement.

In the same awards ceremony, **Dr. Brian McFarlin** was named the 2006-2007 winner of The University of Houston Provost Core Award for Teaching Excellence! He is the first winner of this prestigious award in our department's history.

In May **Dr. Brian McFarlin** was awarded the 2007 Faculty Research Excellence Award, College of Education.

Dr. Shreela Sharma, nutrition specialist and epidemiologist, left the faculty to take another academic position.

Clinical Assistant Professor, **Dr. Faith Foreman** left our faculty after many years of distinguished service, including directing the Discover U program in the Texas Medical Center.



Dr. Jill A. Bush



Dr. Rebecca Lee



Dr. Brian McFarlin



Dr. Shreela Sharma



Dr. Faith Foreman

Publicity and Outreach



On January 14th our department was featured in the Sunday edition of the Houston Chronicle in a story titled “Kinesiology Majors Have the Moves”. This story explained how the field of kinesiology was rapidly expanding and explained the many job opportunities that were available to kinesiology majors. http://hhp.uh.edu/Currentevents/07_chronicle.cfm.

In April we hosted a **Duke Talent Identification Program (TIP) Scholar Weekend**. These weekends provide opportunities for academically talented students in grades 8–11 to take short courses during weekend-long programs at University of Houston. Seventeen outstanding students from across Southeast Texas attended this inaugural event. These students were treated to a personal

visit from astronaut Dr. Richard Linnehan, and a live video feed from the Johnson Space Center. http://hhp.uh.edu/Currentevents/07_duketip1.cfm.



In May the department hosted the **Cystic Fibrosis Walk-A-Thon, Great Strides: Taking Steps to Cure Cystic Fibrosis**, at Lynn Eusan Park at the University of Houston. This event raised \$586,000 to support research in hopes of finding a cure for this disease. http://hhp.uh.edu/Currentevents/07_cystic_fibrosis.cfm.

In April HHP students, faculty and staff participated in the **BP MS 150 2007** bike ride from Houston to Austin. The BP MS 150 is a fundraising event for

the National MS Society, Lone Star Chapter and the largest event of its kind in the United States. It is a 2-day cycling adventure from Houston to Austin that raises funds to help people living with Multiple Sclerosis (MS). http://hhp.uh.edu/Currentevents/07_MS150.cfm.



The department was featured six different times on local television this past year. Additionally, our faculty and students were the subjects of many local newspaper articles in both the Spanish and English language press.

Gingiss, P.M. “Database Indicates Texas is Becoming Smoke-free,” September 9th, 2006. <http://www.newsrx.com/health-articles/353810.html>.

Gingiss, P.M. Tobacco Control Network (TCN) – “Texas Smoke-free Ordinance Database Created”. http://www.ttac.org/TCN/tfp/jul-aug-2006/legislative_watch.html. – Fall, 2006.

Gingiss, P.M. “Smoking Ordinances on Internet Database” – San Antonio Express News, San Antonio, Texas – September 1, 2006. <http://www.mysanantonio.com/news/metro/stories/MYSA090206.2B.smokingordinance.5af69972.html>.

Gingiss, P.M. “Smoking-ban Juggernaut gains Steam in U.S. The City Council May Decide Today on Local Ordinance.” Article in the Houston Chronicle, October 18, 2006.

Lee, R.E. “Social Cohesion Approach to Weight Loss Research” was featured in the University of Houston 2006 President’s Report.

Lee, R.E. “NIH Taps UH Prof for Board: Institute Selects Faculty Member to Review Grants”. *The Daily Cougar* 2 Oct. 2006: 1–3.

Olvera, N. BOUNCE-LITE was featured in Muse News, the news letter of The Health Museum in Houston. <http://www.thehealthmuseum.org>.

Kurz, M. “Penguin Research” was featured in the University of Houston 2006 President’s Report.

Alastuey, L. Featured in a KHOU Channel 11 news story, “Students Put Possible School Foods to the Test.” Houston, Texas, Wednesday, October 25, 2006.

Pearson, D. KERA-TV (PBS Channel 13) Interview for documentary “NOWHERE BUT TEXAS” featuring Cowboys of Color and Black Rodeo. Dallas & Fort Worth, TX, November 16, 2006.

Melissa Scott-Pandorf, University of Houston Press Release, “Walking Tall: UH Student Working on Space Suit Redesign for NASA Graduate Student Focuses on Stability and Locomotion”. http://hhp.uh.edu/Currentevents/07_melissa.cfm

Featured on: Space Ref.com, Huliq; Breaking News, Press Zoom, Mars Today.com, KTV-TV CH 11 (CBS) Dallas/Fort Worth, KTXA-TV CH 21 (IND) Dallas/Fort Worth, Eye Witness News KENS-TV CH5 (CBS) San Antonio, WREG-TV CH3 (CBS) Memphis, KSFY-TV CH 27 (FOX) Springfield, Missouri; WMBD-TV CH 31 (CBS) Peoria/Bloomington, Indiana; KVAL-TV CH 13 (CBS) Eugene, Oregon; KZTV-TV CH 10, Corpus Christi, Texas; KTMD-TV CH 47 (TEL), Houston, Texas. Also featured on many online science portals.

Lee, R.E. Featured on KHOU Channel 11 News. “Get HIP to Health : UH Study Recruiting African American Women,” March 26, 2007.

Lee, R.E. Press Release. January 8, 2007, – “Get HIP to Health: UH Study Recruiting African American Women.”

Thrasher, TA. Press Release. June 14, 2007 – “Engineer Turned UH Researcher Focuses on Spinal Cord Injuries’ Oldest Problem.”

Thrasher, TA. Featured on KHOU Channel 11 News. “Local Research May Help to Prevent Bedsores” – July 2, 2007. http://www.khou.com/news/health/stories/khou070702_ac_bedsoretech.37205706.html.

Thrasher, TA. The Daily Cougar. “Professor Provides Some Shocking Relief” – July 10, 2007.

Thrasher, TA. Texas Medical Center News. “Research Seeks to Eliminate Pressure Ulcers” – July 15, 2007.

Pearson, D.W. In-studio consultant for Houston PBS/KUHT (Channel 8) on documentary titled “Nowhere But Texas.” Segment discussed was “Cowboys of Color Buck Stereotypes.” June 6, 2007.

Scott-Pandorf, M. “Suited for Space”, *University of Houston Magazine*, Summer, 2007

Lee, R.E. Fox 26 – Health Is Power project featured on *HOLA Houston* – June 26, 2007

Lee, R.E. Univision (TV Channel 45) – Health Is Power project featured on *Nuestra Vida* – July 3, 2007

Lee, R.E. *The Houston Chronicle* – Health is Power – “They’re Walking the Road to Fitness” – July 7, 2007

The following is a list of last year’s productivity generated by the HHP faculty, students, and alumni. We are proud of our accomplishments in the past year!

Research Articles

1. **Hutchison, A.T.** and **Clarke, M.S.F.** (2006). An Isometric Strength Testing Device for Use with the Elderly: Validation Compared with Isokinetic Measures. *Physical and Occupational Therapy in Geriatrics*. 25(2):1–12.
2. Sotiriadou, S. Kyparos, A., Albani, M., Arsos, G., **Clarke, M.S.F.**, Sidoras, G., Angelopoulou, N. and Matziari, C. (2006) Soleus muscle force following downhill running in ovariectomized rats treated with estrogen. *Applied Physiology, Nutrition and Metabolism (formerly Canadian JAP)*. 31 (4): 449–59.
3. Flynn MG and **McFarlin BK.** (2006). Toll-like receptor 4: link to the anti-inflammatory effects of exercise? *Exerc Sport Sci Rev*. 34(4): 176–81 (PMID: 17031526).

4. **Olvera, N.**, Poston, W.S.C., & **Rodriguez, A.** (2006) Parental socialization of smoking in Latino youth. *Journal of Adolescent Health*, 39(5) 758–760.
5. Matalon, R., **Michals-Matalon, K.**, Burlina A., Burlina, A., Giovannini, M., Fiori, L., Grechanina, E., Novikov, P., Grady, J., Tyring, S., Guttler, F. Double blind placebo control trial in PKU with NeoPhe. *J. Inherit. Metab. Dis.* 29: S1, 13, 2006.
6. Matalon, R., Surendran, S., Campbell, G.A., **Michals-Matalon, K.**, Tyring, S.K., Grady, J., Cheng, S., Kaye, E. Hyaluronidase increases the biodistribution of acid α -1,4 glucosidase in the muscle of Pompe disease mice: An approach to enhance the efficacy of enzyme replacement therapy. *Biochemical and Biophysical Research Communications*, 350:783–787, 2006.
7. Matalon, R., **Michals-Matalon, K.** Treatment of phenylketonuria variants: US recommendations. In PKU and BH4: Advances in Phenylketonuria and Tetrahydrobiopterin. Ed. Blau, N. SPS Publications, Heilbronn, Germany. 2006; pp. 201–219.
8. **Michals-Matalon, K.** Dietary recommendations in the USA. In PKU and BH4: Advances in Phenylketonuria and Tetrahydrobiopterin. Ed. Blau, N. SPS Publications, Heilbronn, Germany. 2006; pp. 220–231.
9. **McFarlin BK**, Flynn MG, and Hampton T. Carbohydrate consumption during cycling increases in vitro NK cell responses to IL-2 and IFN-g. *Brain Behav Immun.* 2007 Feb; 21 (2):202–208.
10. **Alastuey L**, Justice M, Weeks S, and Hardy J. A critical incident inquiry: credentialed teachers who do not teach. *Teacher Education & Practice*, Winter, 2006; 19(1), 71–79.
11. Kraemer, William; Nindl, Bradley; Volek, Jeff; Marx, James; Gotshalk, Lincoln; **Bush Jill**; Welsch, Jill; Vingren, Jakob; Spiering, Barry; Fragala, Maren; Hatfield, Disa; Yu-Ho, Jen; Maresh, Carl; Mastro, Andrea; Hymer, Wesley C. Influence of Oral Contraceptive Use on Growth Hormone In Vivo Bioactivity Following Resistance Exercise: Responses of Molecular Mass Variants. *Amer J Appl Phys Endocrin Metab*, 291(6):E1177–1187, 2006.
12. Pohl JF, J O’Rear, H Rajab, M Watts, HS Kim, T Booth, D Kjar, D Wilson, J Anding, W Wong, N Butte, R Grimes, JW Varni, N Olvera, **JA Bush**, T Burwinkle, W Klish. Pediatric obesity in Texas: does the Texas public school nutrition policy affect child nutrition? *Texas Medicine* 102(10):47–58.
13. Orellana, RA, PMJ O’Connor, **JA Bush**, A Suryawan, MC Thivierge, HV Nguyen, ML Fiorotto, and TA Davis. Modulation of Muscle Protein Synthesis by Insulin Is Maintained During Neonatal Endotoxemia. *Amer. J. Physiol. Endocrinol. Metab.*, 291(1):E159–166, 2006.
14. Matalon, R., **Michals-Matalon, K.**, Bhatia, G. Grechanina, E., Novikov, P., McDonald, J.D., Grady, J., Tyring, S.K., Guttler, F. Large Neutral Amino Acids in the Treatment of Phenylketonuria (PKU). *J. Inherit. Metab. Dis.* 29: 13, 2006.
15. *Metab.* Matalon, R., **Michals-Matalon, K.**, Surendran, S., Tyring, S.K. Canavan Disease: Studies on the Knockout Mouse. *Adv. Exp. Med. Biol.* 576:77–93, and 361–3, 2006.
16. Matalon, R., **Michals-Matalon, K.**, Bhatia, G., Burlina, A.B., Burlina, A.P., Braga, C., Fiori, L., Giovannini, M, Grechanina, E., Novikov, P., Grady, J., Tyring, S. K., Guttler, F. Double blind placebo control trial of large neutral amino acids in treatment of PKU: Effect on blood phenylalanine. *JIMD* 30:153–158, 2007.
17. **Forth, K.E.**, and **Layne, C.S.** Background muscle activity enhances the neuromuscular response to mechanical foot stimulation. *American Journal of Physical Medicine & Rehabilitation*, 86, 50–56, 2006.
18. **Kurz M.J.** & N Stergiou (2007). Hip actuations can be used to control bifurcations and chaos in a passive dynamic walking model. *ASME Journal of Biomechanical Engineering*, 129(2):216–22.
19. **Kurz M.J.** & N Stergiou (2006). Correlated joint fluctuations can influence the selection of steady state gait patterns in the elderly. *Gait and Posture*, 24(4):435–40.
20. Provenzano, P.P., A.L. Alejandro-Osorio, K.W. Gorud, **D.A. Martinez**, A.C. Vailas, R.E. Grindeland, and R. Vanderby Jr. Systemic administration of IGF-I enhances healing in collagenous extracellular matrices: evaluation of loaded and unloaded ligaments. *BMC-Physiology* 7:2 doi:10.1186/1472–6793–7–2, 2007.

21. Boerm, M., **Gingiss, P.M.**, Roberts-Gray, C. Association of the presence of state and district health education policies with school tobacco prevention program practices. *Journal of School Health*. 77(4):207–214. (2007).
22. **Pearson, D. W.** (2007, March). A legacy denied: Shadow riders of the American West. *Minority Executive Report*, 2(3), 2.
23. Ely AC, Greiner KA, Born W, Hall S, **Rhode PC**, James AS, Nollen N & Ahluwalia JS. (2006). Concordance of patient-physician obesity diagnosis and treatment beliefs in rural practice settings. *Journal of Rural Health*. 22(4): 364–6.
24. **Jackson, A.S.** Estimating Maximum Heart Rate From Age: Is It a Linear Relationship? *Medicine & Science in Sports & Exercise*, 39(5):821, May 2007.
25. **Edwards, L.**, and **Layne, C.S.** Effect of Dynamic Weight Bearing on Neuromuscular Activation after Spinal Cord Injury: A Case Series. *Journal of Physical Medicine & Rehabilitation*, 86(6)499–506.
26. Navalta JW, Sedlock DA, Park KS, **McFarlin BK**. Neither gender nor menstrual cycle phase influences exercise-induced lymphocyte apoptosis in untrained subjects. *Applied Physiology Nutrition Metabolism*. 2007 Jun;32(3):481–6.
27. Mahon AK, Flynn MG, Iglay HB, Stewart LK, Johnson CA, **McFarlin BK**, Campbell WW. Measurement of body composition changes with weight loss in postmenopausal women: comparison of methods. *Journal of Nutrition and Healthy Aging*. 2007 May–Jun;11(3):203–13.
28. **Martinez, D.A.**, A.C. Vailas, R. Vanderby, Jr., and R.E. Grindeland. Temporal extracellular matrix adaptations in ligament during wound healing and hindlimb unloading. *Am J Physiol Regul Integr Comp Physiol* (August 15, 2007). doi:10.1152/ajpregu.00423.2007.
29. Roberts-Gray, C., **Gingiss, P.M.**, and Boerm, M. (2007). Evaluating school capacity to implement new programs. *Journal of Evaluation and Research: Evaluation and Program Planning*. 30:247–257.
30. Márquez C, Popovic MR, **Thrasher TA**, Cameron T, Lozano A, Chen R. Identification of arm movements using correlation of electrocorticographic spectral components and kinematic recordings. *J Neural Eng* 2007; 4:146–158.
31. **Alastuey, L.** Children of Alcoholics (COAs): What you need to know and how to help. *The Texas School Health Association Brief*, July, 2007.
32. **Michals-Matalon, K.**, Bhatia, G., Guttler, F., Tying, S., Matalon, R. Response of Phenylketonuria to Tetrahydrobiopterin. *J. Nutrition* 137: 1564S–1567S, 2007.
33. Wang, L., Surendran, S., **Michals-Matalon, K.**, Bhatia, G., Tanskley, S., Koch, R., Grady, J., Tying, S.K., Stevens, R.C., Guttler, F., Matalon, R. Mutations in the Regulatory Domain of Phenylalanine Hydroxylase and Response to Tetrahydrobiopterin. *Genetic Testing* 11: 174–178, 2007.
34. **Olvera, N., Sharma, S., Rodriguez, A.**, Suminski, R., & Power, T. (). BMI Trends in Mexican American children in relation to Maternal BMI. *Ethnicity and Disease*, 17(4), 2007.
35. Buckworth J, **Lee RE**, Regan G, Schneider LK, DiClemente CC. Decomposing intrinsic and extrinsic motivation for exercise: Application to stages of motivational readiness. *Psychology of Sport and Exercise*, 2007; 8: 441–461.

Books

Baumgartner, T. A., **Jackson, A. S.**, Mahar, M.T., Rowe, D.A. (2006). *Measurement for Evaluation in Physical Education and Exercise Science*. (7th ed.). Dubuque: McGraw-Hill

Funding

1. **Layne, C.S.** Enhanced Development of the Office of Scientific Data Review and Dissemination, Task Order 9, Wyle Life Sciences, (funded–3 years, direct costs : \$31,845, IDC: \$15,604), July, 2006.
2. **McFarlin BK** (PI). The Effect of Pomegranate Conjugated Linolenic Acid during an Energy Restricted Diet on Fat Loss and Chronic Inflammation. Funded by POM Wonderful LLC on 10/5/06 (Direct: \$99,234, IDC: \$24,809–25%), November, 2006.
3. **D.A. Martinez.** “Laser Engineered Multilayer Bioactive Coatings with Hydroxyapatite Nano-Powders.” National Science Foundation, (\$50,000 direct costs, \$25,000 indirect costs), June, 2007.
4. **McFarlin BK** (100%), Bray MS, Jackson AS, and Clarke MSF. Monocyte / Macrophage TLR4 expression and signaling: A Link between Obesity and Chronic Inflammation? Funded by NIH via RO3 Mechanism (Priority Score: 140, Percentile: 2.1) (Funded–2 years, Direct: \$100,000 Indirect: \$49,000).
5. **Layne, C.S.** Enhanced Development of the Office of Scientific Data Review and Dissemination, Task Orders 10, 11, 12, Wyle Life Sciences, (funded–3 years, direct costs : \$ 943,372, IDC: \$ 436,310), February, 2007.
6. **Bush, J.A.** and **Olvera, N.** Faculty Research Grant Award. 8/2007–8/2008. Efficacy of a Healthy lifestyle program for treatment of comorbidities and obesity in minority girls. University of Houston, Houston, TX. (Awarded \$4,000), Olvera, PI, Bush, PI Role: PI.
7. **Gingiss, P.M.** Texas Department of State Health Services. Texas Tobacco Prevention and Control Research and Evaluation Project. FY 2007 (funding received in 1–07, \$274,586). Total grant: FY 2000–2007. \$2,533,763.
8. **Lee, R.E.** Community Partner Award from Walmart awarded to Health Is Power Project, \$1,000.
9. **Olvera N.** BOUNCE Lite Summer Program for Minority Girls. Oliver Foundation, Aramark, Pepsico (\$14,000 in-kind contribution).
10. **Olvera, N.** BOUNCE Lite Summer Program for Minority Girls St. Luke’s Episcopal Health Charities (funded \$16,881).
11. **Yi, J.K.** Improving quality of life for low literate Asian American breast cancer survivors. Susan G. Komen for the Cure, \$260,250 (Direct Cost: \$208,200: Indirect Cost: \$52,050), July 1, 2007 – June 30, 2009.
12. **Rhode, P.C., Lee, R.E., Olvera, N., and McFarlin, B.K.** Obesity Studies Doctoral Curriculum Development. University of Houston Faculty Development Initiative Program (awarded \$25,000), 2007–2008.
13. **McFarlin BK.** The Effect of Moderate Alcohol Consumption supplemented with B vitamins, Folic Acid, and Folate on Blood Cholesterol, C-reactive protein, Body Composition, Resting Metabolic Rate, and Fitness Capacity. Funded Stampede Brewing Company. (Direct: \$9,500; Indirect: \$2,375, 25%).
14. **Kurz, M.J.** Influence of center of gravity location on stability during extra vehicular activity. NASA (Funded – Direct: \$24,240, Indirect: \$ 11,877).
15. **Pearson, D.W.** Curriculum Development Award. Funds provided to support technology implementation in courses. Funding period: 9/1/07–8/31/08. (Award amount: \$2,000). Source: Educational Technology and University Outreach.
16. **Clarke, M.S.F.** Curriculum Development Award. Funds provided to support technology implementation in courses. Funding period: 9/1/07–8/31/08. (Award amount: \$6,000). Source: Educational Technology and University Outreach.
17. **Bush, J.A.** UH Marching Band Study, University of Houston, August, 2007 – August, 2008, (funding \$9,725).
18. **Kurz, M.J.** and **McFarlin, B.K.** Virtual Scientific Presentations for HHP Courses.
19. Faculty Development Initiative Program (Funded, Direct \$25,000, Indirect: \$0).

Submitted for Funding

1. **D.A. Martinez.** “The Role of TLR4 Expression and Signaling in Obesity, Weight Loss, and Chronic Inflammation.” National Science Foundation, \$399,700, October, 2006, (submitted).
2. **Olvera N.** Obesity and Predictors of Physical Activity in Immigrant Children. Foundation for Child Development \$149,617 (submitted, November, 2006).
3. **McFarlin, BK** (PI, 100%), **Jackson AS** (Co-I), **Clarke MSF** (Co-I), and Bray MS (Co-I). Does Obesity Status Influence Blood Monocytes and Adipose Tissue Macrophages in a similar manner? Submitted to National Institutes of Health (NIH) via R03 Mechanism, November, 2006, Direct cost: \$100,000, IDC: \$49,000 – 49%).
4. **McFarlin BK**, Bray MS, and Simpson R. Factors Predicting Chronic Inflammation, Obesity, and Exercise Response. Submitted to National Institutes of Health (NIH) via R01 mechanism on 2/1/07 (submitted 2 years, Direct: \$500,000, Indirect: \$245,000).
5. **McFarlin BK** (90%) and Jackson AS (10%). TIGER Study Renewal Consortium with Baylor College of Medicine (Dr. Molly Bray). Submitted on 3/1/07 (submitted, 5 years, Direct: \$705,349 Indirect: \$346,621).
6. **Bush, J.A.** Grants to Enhance and Advance Research. Submitted January 2007. The effect of resistance training on changes in bone and muscle metabolism in peri- and post-menopausal women. (Award Requested \$26,369.01).
7. **Kurz, M.J.** *Exploring Nonlinear Gait Dynamics with Computer Modeling and Robotics.* Agency: National Science Foundation, (Direct: \$247,557; Indirect: \$121,078) submitted.
8. **Kurz, M.J.** *Translating Outcomes from a Chronic Parkinson’s Disease Mouse Model to Humans.* Agency: National Parkinson Foundation, (Direct: \$40,000; Indirect: \$0) submitted.
9. **Kurz, M.J.** *New Analysis Techniques for the Assessment and Analysis of Cerebral Concussions.* Agency: NFL Charities (Direct: \$111,878; Indirect: \$11,188) submitted.
10. **Kurz, M.J., Layne, C.S.,** Lau, V. *Parkinson’s Disease Gait Dynamics.* Agency: University of Houston Gear Award (Direct: \$75,000; Indirect: \$0) submitted.
11. **Martinez, D.A.** The Expression of Extracellular Matrix & Growth Factor Genes In The Regulation Of Dense Fibrous Connective Tissues: “*The Impact of An Exercise Re-Loading Paradigm On Rat Tendon And Ligament During Hindlimb Unloading.*” National Space Biomedical Research Institute Synergy Grant (Two Years, \$50,000).
12. **Martinez, D.A.** and Co-I. **B.K. McFarlin.** “*The Impact of Low Level Laser Irradiation on Extracellular Matrix Regeneration and Immune Function in Ligament Fibroblasts During Wound Repair.*” University of Houston Grants to Enhance and Advance Research (\$74,134).
13. **Martinez, D.A.,** Co-I’s: Philip C. Noble, John M. Lawler. “*The Efficacy of Insulin-like Growth Factor-1 Delivery Via Adeno-Associated Virus (AAV) Mediated Transgene Delivery in the Rat Medial Collateral Ligament Wound Healing Model.*” Pre-Proposal: Request for Applications NSBRI-RFA-07-01 Human Health and Countermeasures (HHC) Disciplines “Bone Loss”, “Immunology and Infection”, “Skeletal Muscle Alterations” Bioastronautics Roadmap Risk Factors: 3b, 3d, 8b, 8c, 11p, 11q, 11r, 12k.
14. **Olvera N.** BOUNCE Lite Summer Program for Minority Girls, General Mills (\$10,000) submitted.
15. **Olvera N.** and Hall F. (Co-Principals). Efficacy of an obesity treatment for Hispanic families. UH Grants to Enhance and Advanced Research (\$50,000) submitted.
16. **McFarlin, B.K.,** Bray, M.S., **Clarke, M.S.F., Jackson, A.S.,** and **O’Connor. D.P.** Weight Gain, Exercise Training, and Low-Grade Inflammation: Role of TLR4. Submitted July 10th, 2007 as A1 submission to NIH. (Direct: \$266,082, Indirect: \$81,602, 49%).
17. **Lee, R.E.** *Physical Activity and Improving Health in Women of Color.* Submitted to the USDHHS Office on

Women's Health (Direct: \$1,000,000: Indirect : \$500,000, 9/2007–8/2010) submitted.

18. **Olvera, N., Smith, D., Bush, J.,** Lee, C.(Co-Investigators). Urban Hispanic Perception of Environment and Activity among Kids (UH-PEAK). Robert Wood Johnson Foundation (\$150,000) submitted May 16, 2007.

Professional Presentations

1. **Lee RE,** Regan G, **Reese-Smith J,** Booth KM, Howard HH. Low SES Neighborhood Food Environments Expose Diners to Unhealthy Options *International Journal of Behavioral Medicine*, 2006; 13: S. (Paper presented at the meeting of the International Society of Behavioral Medicine, Nov 30, 2006, Bangkok, Thailand.)
2. Furia A, **Lee RE,** Stother ML, Huang T. Motivation to maintain healthy weight among college students. *Obesity Research* 2006; 14. (Poster presented at the meeting of the North American Society for the Study of Obesity, October 2006, Boston, MA, USA).
3. **Alastuey, L.** and Archer, K. "A sleep deficit equals a health deficit." TAHPERD convention, Fort Worth (Nov. 2006).
4. Tietjen-Smith, T. and **Alastuey, L.** "The rising prevalence of eating disorders: What is our role? TAHPERD convention, Fort Worth (November 2006).
5. **Thrasher, T.A.** Functional Electrical Stimulation-Assisted Walking Therapy, 2nd National Spinal Cord Injury Conference, Toronto, Oct 26 – 28, 2006.
6. **Gingiss, P.M.,** Boerm, M. Modifications in the Texas Smoke-free Ordinance Database. TX Department of State Health Services, Tobacco contractor' s quarterly meeting. American Lung Association, Houston, TX. October 20, 2006.
7. Koch, R., **Michals-Matalon, K,** Matalon, R. Variable response to tetrahydrobiopterin (BH4) of patients with phenylketonuria (PKU). *J. Inherit. Metab. Dis.* 29:S1;51, 10th International Congress of Inborn Errors of Metabolism (ICIM) Chiba, Japan, Sept. 12–16, 2006.
8. Matalon, R., **Michals-Matalon, K.,** Wang, L., Tanksley, S., Bhatia, G., Koch, R., Grady, J., Tying, S, Stevens, R., Guttler, F. Mutations in the regulatory domain of phenylalanine hydroxylase (PAH) and response to tetrahydrobiopterin (BH4). *J. Inher. Metab. Dis.* 29:S1, 67, 10th International Congress of Inborn Errors of Metabolism (ICIM) Chiba, Japan, Sept. 12–16, 2006.
9. Matalon, R., **Michals-Matalon, K.,** Burlina A., Burlina, A., Giovannini, M., Fiori, L., Grechanina, E., Novikov, P., Grady, J., Tying, S., Guttler, F. Double blind placebo control trial in PKU with NeoPhe. *J. Inherit. Metab. Dis.* 29: S1, 13, 10th International Congress of Inborn Errors of Metabolism (ICIM) Chiba, Japan, Sept. 12–16, 2006.
10. Matalon,R., **Michals-Matalon, K.** Bhatia, G. Response of phenylketonuria to tetrahydrobiopterin. Trans-disciplinary International Conference on Aromatic Amino Acids and Related Substances: Chemistry, Biology, Medicine and Applications. July 19–21, Vancouver, Canada.
11. **Gingiss, P.M.** Changes in school tobacco programs in Jefferson County in response to needs demonstrated in the aftermath of Hurricanes Rita and Katrina. TX Department of State Health Services, Mental Health and Substance Abuse Division, Austin, TX. November 20, 2006.
12. **Scott-Pandorf M,** Olsen D, Whittaker G & **Kurz MJ.** Penguin waddling results in reduced step width variability. Proceedings of the American Society of Biomechanics, Blacksburg, Virginia, (September, 2006).
13. Kyvelidou A, Ehlers J, **Kurz MJ** & Stergiou N. The Effects of Age and Partial Body Weight Support on Kinematic Variability During Treadmill Walking. Proceeding of the American Society of Biomechanics, Blacksburg, Virginia, and (September, 2006).
14. **Kurz MJ** & Stergiou N. Can hip joint actuations be used to control the structure of chaotic locomotion? Proceedings of the American Society of Biomechanics, Blacksburg, Virginia, (September, 2006).
15. **Pearson, D., *Hoffschneider, K., *Moreland, T., *Piacentini, R., & *Rosenhek, S.** A recreational revival and/

or the reemergence of muscular Christianity. North American Society for the Sociology of Sport, International Conference, Vancouver, British Columbia, Canada, November 1–4, 2006. (*Sport

16. **Olvera, N.** BOUNCE: A healthy lifestyle program for Hispanic mothers and daughters. Paper presented at the annual meeting of the Texas Association for Health, Physical Education, Recreation, and Dance, Ft. Worth, Texas. November, 2006.
17. **Rodriguez, A.**, and **Olvera, N.** Environmental correlates of physical activity and fitness. Paper presented at the annual meeting of the Texas Association for Health, Physical Education, Recreation, and Dance, Ft. Worth, Texas. November, 2006.
18. **Scherer, R., Lopez B., Knox, B., Maldonado, G., Bush, J., and Olvera, N.** (Nov 2006). Increasing recreational activity and healthy living in Hispanic mothers and daughters: Development of a community-based program. Poster presented at the annual meeting of the Cooper Institute, Dallas, Texas.
19. Jimenez, C., **Olvera, N.**, and Lopez, F. Predictors of depression among Mexican and Central American immigrants. Poster presented at the annual meeting of the Texas Psychological Association, Dallas, Texas. November, 2006.
20. **Olvera, N. Scherer, R., Knox, B., Lopez, B., and Bush J.** BOUNCE Lite: A healthy lifestyle program for minority girls: A pilot study. Poster presented at the annual meeting of the North American Association for the Study of Obesity, Boston, MA. October, 2006.
21. **Markesino, J., Olvera, N.**, and Pavlik, V. Prevalence of metabolic syndrome risk factors in overweight youth. Poster presented at the annual meeting of the North American Association for the Study of Obesity, Boston, MA. October, 2006.
22. Rust, D. and **Alastuey, L.** Providing support for a walkable/bikeable community. AAHPERD convention, Baltimore, Maryland, March 16, 2007.
23. **Alastuey, L.** and Rust, D. Environmental health issues in the modern home. Southern District AAHPERD Conference, Chattanooga, Tennessee, February 16, 2007.
24. **James E.G., Kurz M. J., Layne, C.S.** Frequency and Relative Phase Information and Stability of Coordination Dynamics. Coordination Dynamics 2007, Boca Raton, February, 2007.
25. **Kurz MJ, Garza J, Arellano C, Scott-Pandorf M.** Does weight influence the local dynamic stability of gait? Houston Society for Engineering in Medicine and Biology, Houston, Texas (February 8, 2007).
26. Wierenga, A., Velazquez, D., Bhatia, G., **Matalon, K.**, Matalon, R., Elsas, L. The effect of phenylalanine and tyrosine intake on tetrahydrobiopterin (BH4) response in phenylketonuria (PKU). *Molecular Genetics and Metabolism*, 90: 243, 2007.
27. **Banda, JA, Layne, CS,** and **Lee, RE** An accelerometer cut point for measuring the time spent in moderate or greater intensity physical activity. Annual Meeting of the Texas Chapter of the American College of Sports Medicine, Fort Worth, TX, March, 2007.
28. Sidney E, Dowd D, Rusk, S and **Rhode P.** Following the guidelines or not: Factors influencing physicians' decisions to order CTs for acute head injury. Poster presented at the Pediatric Academic Societies Annual Meeting, Toronto, Canada, May 5–8, 2007.
29. **Pearson, D. W.**, Pittman, A. T., and Zapalac, R., K. Applied sport management: Why we do what we do. Presentation at the Texas Association for Health, Physical Education, Recreation, and Dance, Annual Convention, Fort Worth, TX. November, 2006.
30. Hurst, J. J., and **Pearson, D. W.** (2006, November). Active aerobics for the development of lifelong fitness. Presentation at the Texas Association for Health, Physical Education, Recreation, and Dance, Annual Convention, Fort Worth, TX.

31. **Pearson, D. W.** (2007, March). Black in the saddle: The best bull rider you never saw. Presentation at the American Alliance for Health, Physical Education, Recreation, and Dance National Convention, Baltimore, MD.
32. Curtis, R. L., & **Pearson, D. W.** (2007, March). Racism in the media: A study of black males in sport Films, 1930–2005. Presentation at the Southwestern Sociological Association Annual Meeting, Albuquerque, NM.
33. **Kueht, ML, McFarlin, BK, Baxter, ME, Banda, JA, and Lee, RE.** (2007). The relationship between body weight, body mass index, and LPS-stimulated IL-6 and TNF- α production in African-American females. Annual Meeting of the Texas Chapter of the American College of Sports Medicine, Fort Worth, TX.
34. **Lee, RE,** Parmenter, B, Cubbin, C, and McMillan, T. (2007). Recruitment of people vs. places: How to optimize individual and geographic variability? Presented at the 28th Annual Meeting of Society of Behavioral Medicine, Washington, DC. Abstract published in the Annals of Behavioral Medicine, V. 33, Supplement.
35. **Olvera, N.,** Scherer, R., and Knox B. (Jan. 2007). Hispanic daughters and mothers learning together about nutrition, exercise, and self-esteem. Presentation at the annual meeting of the Texas School Health Association, Austin Texas.
36. **Reese-Smith, JY, Mama, SK, Moore, J, and Lee, RE.** (2007). Direct vs. indirect strategies for recruiting and retaining women of color. Presented at the 28th Annual Meeting of Society of Behavioral Medicine, Washington, DC. Abstract published in the Annals of Behavioral Medicine, V. 33, Supplement.
37. **Rhode PC,** Froehlich-Grobe K, Hockemeyer JR & Carlson J. (2007). Development of the Disability-Related Stress Scale (DRSS). Annals of Behavioral Medicine. 33(suppl): S150.
38. **O'Connor D.P.,** Mahar M., Laughlin, M.S., Weir L.T. and **Jackson, A.S.** Misuse of the Bland-Altman Method with Cross-Validation Research. Medicine and Science in Sports and Exercise, 2007; 39: S34 (Presented at the Annual Meeting of the American College of Sports Medicine, May 31, 2007, New Orleans, LA, USA).
39. Bray, M.S., **McFarlin, B.K.,** Turpin, I, Sailors, M.H., Ellis, K.J., Hoelscher, D.M., Foreyt, J.P. and Jackson, A.S. The Training Interventions and Genetics of Exercise Response (TIGER) Study: Exercise Intervention in Young Adults. Medicine & Science in Sports & Exercise. 39(5) Supplement:S198, May 2007. Presented at the Annual Meeting of the American College of Sports Medicine.
40. **Miller, F.,** Dishman, R.K., Bray, M.S., **McFarlin, B.K.,** and **Jackson, A.S.** Reliability and Norms for the 10-Item Self-Motivation Inventory: The Tiger Study. Medicine & Science in Sports & Exercise. 39(5) Supplement:S340, May 2007. Presented at the Annual Meeting of the American College of Sports Medicine.
41. Sailors, M.H., **Jackson, A.S.,** and Bray, M.S. The Association of Circadian Clock Candidate Genes to Increased Adiposity in the TIGER Study. Medicine & Science in Sports & Exercise. 39(5) Supplement:S278, May 2007. Presented at the Annual Meeting of the American College of Sports Medicine.
42. **Jackson, A.S., McFarlin, B.K.,** Ellis, K., and Bray, M.S. Accuracy of Generalized Body Composition Equations With Diverse Men and Women. Medicine & Science in Sports & Exercise. 39(5) Supplement:S35, May 2007. Presented at the Annual Meeting of the American College of Sports Medicine.
43. **McFarlin, B.K.,** Johnson, C.A., Tyler, C., **Hutchison. AT., Kueht, M.L.,** Reeves, R., and Foreyt, J.P. Plasma Biomarkers of Chronic Inflammation are Elevated in Overweight Mexican American Children. Presented at the Annual Meeting of the American College of Sports Medicine, May 2007.
44. **Kueht, M.L., McFarlin, B.K.,** Baxter, M.E., **Banda, J.M.,** Medina, A.V., and **Lee, R.E.** The Relationship between BMI and LPS-stimulated TNF-a and IL-6 Production in African-American Women. Presented at the Annual Meeting of the American College of Sports Medicine, May 2007.
45. Turpin, I. Bray, M.S. **McFarlin, B.K.,** and **Jackson, A.S.** Percent Body Fat Equations For A Diverse Population, Aged 17 to 30: The TIGER Study. Medicine & Science in Sports & Exercise. 39(5) Supplement:S34–S35, Presented at the Annual Meeting of the American College of Sports Medicine, May 2007.
46. Márquez C, Popovic MR, **Thrasher TA,** Cameron T, Lozano A, and Chen R. Identifying movements from

electrocorticography. FICCDAT – 30th Canadian Medical and Biological Engineering Conference, Toronto, Canada (June 16–19, 2007).

47. **Kurz, M.J.**, Judkins, T., **Arellano, A.**, and **Scott-Pandorf, M.** Can passive dynamic walking robots provide insights on nonlinear gait dynamics? North American Society for Psychology of Sports and Physical Activity, San Diego, California (June 7, 2007).
48. **Kurz, M.J.**, **Arellano, A.**, and **Scott-Pandorf, M.** Influence of weight on the nonlinear structure of gait. North American Society for Psychology of Sports and Physical Activity, San Diego, California (June 7, 2007).
49. Haran, F.J and **Layne, C.S.** The Length of a Vibration Posturography Training Session Influences Postural Control in a Linear Manner. Northeast American Society of Biomechanics Conference, College Park, Maryland (March 2007).
50. **Layne, C.S.**, Nguyen, K., Forth, K.E. Muscle contractions in response to foot stimulation as an in-flight countermeasure. International Academy of Astronautics 16th Humans in Space Symposium, Beijing, China (May 2007).
51. **Gingiss, P.M.** and **Alastuey, L.** After the Storms: Youth reports of their interpersonal exposure and mental health status in the aftermath of Hurricanes Rita and Katrina. American School Health Association's 81st Annual School Health Conference in Honolulu, Hawaii (July, 2007).
52. Dang, Q. and **Alastuey, L.** "You want me to eat that?" TAHPERD summer conference, Austin, Texas (July, 2007).
53. **Lee RE.** Association of neighborhood with walking and obesity in ethnic minority American women. International Journal of Behavioral Nutrition and Physical Activity. 2007.16: 159, Oslo, Norway (June 2007).
54. **Lee RE**, Heinrich KM, Reese-Smith JY, Regan G. Association of neighborhood goods and services with physical activity and BMI. *Medicine & Science in Sports & Exercise*, 2007. 13 (5): S32. Presented at the Annual Meeting of the American College of Sports Medicine (May 2007).
55. **Banda, J.M.**, **Lee, R.E.**, **McFarlin, B.M.**, and Foreyt, J.P. A school-based program to improve BMI percentile, percent body fat, and fitness in Hispanic children. *Medicine & Science in Sports & Exercise*, 2007. 13 (5): S191. Presented at the Annual Meeting of the American College of Sports Medicine (May 2007)
56. **Matalon, Kimberlee.** "Cerebrotendinous Xanthomatosis (CTX) and Dietary Treatment". The United Leukodystrophy Foundation, The Expanding Spectrum of White Matter Diseases: Approaches for Diagnosis and Treatment, DeKalb, IL. (July 19–22, 2007).
57. **Olvera, N.** and **Alastuey, L.** BOUNCE Program: Promoting Healthy Lifestyle in Low-Income Hispanic Mothers and Daughters. American School Health Association 81st Annual School Health Conference. Honolulu, Hawaii (July, 2007).
58. **Smith, D.**, Lee, J. and **Alastuey, L.** A Local Replication of the National School Health Education Leadership Institute: First Year Results of the SALI. American School Health Association 81st Annual School Health Conference. Honolulu, Hawaii (July 2007).
59. **Clarke, M.S.F.**, Kyparos, A., **Layne, C.S.**, **Martinez, D.**, and Feeback, D.L. Dynamic Foot Pressure (DFS) As an Unloading-Induced Muscle Atrophy Countermeasure. 16th IAA *Humans in Space Symposium*, Beijing, China (May 2007).
60. Ang, B.S., Feeback, D.L., Leonard, C.T., Sykes, J., Kruger, E. and **Clarke, M.S.F.** "Myotonometry as a Surrogate Measure Of Muscle Strength." *28th Annual International Gravitational Physiology Meeting*, San Antonio, TX, (April 2007).
61. Jackson, F.H., **Olvera, N.**, & Knox, B. Developing healthy food and menu choice habits in minority girls: An exploratory study. Poster presented at the annual meeting of the Council of Hotel, Restaurant, and Institutional Education, Dallas, TX. (July 2007).

Invited Professional Presentations

1. **Kurz, M.J.** Controlling Chaotic Biorhythms: Applications for Clinical Assessment and Rehabilitation. University of Texas Medical Branch, Galveston, Texas (October 2006).
2. **Gingiss, P.M.** Changes in school tobacco programs in Jefferson County in response to needs demonstrated in the aftermath of Hurricanes Rita and Katrina. TX Department of State Health Services, Mental Health and Substance Abuse Division, Austin, TX. (November 20, 2006).
3. **Gingiss, P.M.,** Boerm, M. Modifications in the Texas Smoke-free Ordinance Database. TX Department of State Health Services, Tobacco contractor' s quarterly meeting. American Lung Association, Houston, TX. (October 20, 2006).
4. **Martinez D.A.** "Extracellular Matrix Regulation: the Impact of Load, Growth Factors, and Disease on Collagen Remodeling *in Vivo*". Texas A&M Department of Health and Kinesiology, October 27, 2006.
5. **McFarlin BK.** Anti-Inflammatory Properties of POMo during Weight Loss in Obese Mice. POM Wonderful Research Summit (February 7, 2007).
6. **McFarlin BK.** The role of TLR4 in obesity-associated inflammatory pathways. BCM-CNRC Genetics Study Group (March 23, 2007).
7. **Gingiss, P.M.** (February, 2007). Tobacco ordinance data update, summary of level of protection of Texans living in cities and patterns of change from 2000 to present. Department of State Health Services, Mental Health and Substance Abuse Division, Austin, TX.
8. **Gingiss, P.M.,** Boerm, Melynda, M.Ed. (March 9, 2007). TX Smoke-free Ordinance Website. Presentation to CDC project officers: TDSHS. Austin, TX.
9. **Kurz, M.J.** (2007). Nonlinear Dynamics in Human Movement. Colorado State University, Fort Collins Colorado (February 23).
10. **Kurz, M.J.** (2007). Nonlinear Dynamics in Human Movement. University of Colorado, Boulder Colorado (March 16).
11. **Kurz, M.J.** (2007). Computer Models and Walking Robots for Exploration of Nonlinear Gait Dynamics, University of Houston, Department of Mathematics (April 2).
12. **Gingiss, P.M.,** Mosier, V., Coombs, S., Shahzad, K. (June 2007). Texas Health Insurance Coverage for Prevention and Screening of Cancer, Cardiovascular Disease, and Diabetes. Department of State Health Services, Mental Health and Substance Abuse Division, Austin, TX.
13. **Kurz, M.J.** Neuromechanics of Locomotion. Methodist Hospital Research Institute, Houston, Texas (May 21, 2007).
14. Mesko, M., **Arellano, C,** and **Scott-Pandorf, M,** Body weight support during the stance phase influences the nervous system's certainty in selecting a motor command for gait, Rice-Houston Alliance for Graduate Education and Professoriate (AGEP) Summer 2007 Research Program (August 9, 2007).
15. **Arellano, C., Hickerson, A., Kurz, M.J.,** Effect of L-dopa on the dynamic stability of locomotion in individuals with Parkinson's disease, Rice-Houston Alliance for Graduate Education and Professoriate (AGEP) Summer 2007 Research Program (August 9, 2007).

Published Reports

- Layne, C.S.** "Voluntary Muscle Contractions in Advance of Mechanical Foot Stimulation Enhances Neuromuscular Reflex Responses." Institution for Space Systems Operations Annual Report, 2006.
- Gingiss, P.M.,** Boerm, M. "Changes in TX Ordinances in 2006 and Comparisons of Coverage of the Texas Municipal

Population by Smoke-free Ordinances (2000–2006).” Submitted to Texas Tobacco Prevention Initiative, Texas Department of State Health Services February 12, 2007.

Gingiss, P.M., Mosier, V., Coombs, S., Shahzad, Khurram. “Texas Health Insurance Coverage for Tobacco Dependence: 2007.” Submitted to Texas Tobacco Prevention Initiative, Texas Department of State Health Services. April 30, 2007.

Achievements and Milestones

Bush JA. Elected to the Research Committee, National Strength and Conditioning Association, 2007–2010.

Lee, R.E. Community Level Health Promotion (CLHP) Study Section for the NIH Center for Scientific Review, October 12–13, 2006.

Kurz, M.J. Grant Reviewer for the Behavioral & Cognitive Sciences section for National Science Foundation, November, 2006.

Bode, S. Lead reviewer of the accreditation site visit for U. of Pittsburg, Commission on Accreditation of Dietetic Education, American Dietetics Association, November 11–14, 2006.

Bloom, J. Selected as editor for the Physical Education Division of the TAPPERD Journal, effective December 1, 2006.

Rhode, P. Awarded a competitive position to attend the “Design, Analysis, & Interpretation of Randomized Clinical Trials In Obesity,” sponsored by the University of Alabama Birmingham, Clinical Nutrition Research Center, Hilton Newark Airport, Newark, NJ, November, 2006.

Bloom J. Selected to Chair the Senior Wellness Committee for the Mayor of Houston’s Wellness Council.

Bloom J. Re-elected as Chair of the University of Houston Undergraduate Council.

Bloom J. Nominated for the David K. Brace Award of Excellence–TAPPERD.

Bloom J. Conducted a Texas SuperCyclist Bike Safety Road-E-O for ages 6–12, Spring Branch ISD, March 2007.

McFarlin, BK. UH Provost’s Core Award for Teaching Excellence (2006–2007)

<http://www.uh.edu/uhtoday/2007/facultyawards/050107mcfarlin.html>.

McFarlin, BK. 2007 Faculty Research Excellence Award, College of Education.

Rhode, P.C. Scientific Track Chair, 28th Annual Meeting and Scientific Sessions, Society of Behavioral Medicine, March 21–24, 2007.

Rhode, P.C. Paper Session Chair, 28th Annual Meeting and Scientific Sessions, Society of Behavioral Medicine, March 21–24, 2007.

Bush, JA. 2007 NSCA JSCR Editorial Excellence Award.

Bush JA and W Campbell. Scientific Symposia Chair, Energy macronutrient and metabolism. Mini-symposium Chairs for EB 2007 of American Society for Nutrition, Inc. For EB 2007, Washington DC, April–May 2007.

Volek JS and **JA Bush.** Energy balance, macronutrient composition and weight management. Mini-symposium Chairs for EB 2007 of American Society for Nutrition, Inc. for EB 2007, Washington DC, April–May 2007.

Bush JA. Research Interest Chair, Energy and Macronutrient Metabolism Research Interest Section, American Society for Nutrition, 2007.

Bush, JA, Secretary and Treasurer, Endocrine and Metabolism Section, American Physiological Society, 2007.

Martinez, D.A. NIH Study Section Member: Special Emphasis Panel/Scientific Review Group, Physiology and

Pathophysiology of Organ Systems, 2007/01 Council ZRG1 F10-H 20, Washington, D.C. 3/26–27/2007.

Kurz, M. Session Co-moderator and organizer, Houston Society for Engineering in Medicine and Biology, Orthopaedics & Rehabilitations IV: Gait.

Kurz, M. Biomechanics Section Editor, Journal of Sports Science and Medicine.

Layne, C.S. Reappointed UH's representative to the National Center for Human Performance.

Layne, C.S. Appointed to serve on the proposal development team for the Houston Center for Clinical and Translational Science (HCCTS) in response to NIH's call for Institutional Clinical and Translational Science Award (U54) RFA.

Layne, C.S. Session Co-moderator and organizer, Houston Society for Engineering in Medicine and Biology, Orthopaedics & Rehabilitations IV: Gait.

Layne, C.S., Clarke, M.S.F., McFarlin, B.K, Kurz, M., Scott-Pandorf, M. and **Arellano, C.** hosted Duke Talent Identification Program Scholar Weekend, Fly me to the Moon: The Effects of Space Flight on the Human, April 21–22, 2007.

Gingiss, P.M. Review Panel Member: National Institutes of Health: Small Business Innovation Research Grant Program. Risk Prevention and Health Behavior Study Section. Washington, D.C., March 2, 2007.

Olvera, N. awarded Phi Delta Kappa Advocate for Education 2007 Bridge to the Future Award, sponsored by Phi Delta Kappa Chapter of the Houston Area.

Olvera, N. coordinated physical activity component at Children's Nutrition Expo at the Children's Museum, Houston, TX (spring 2007).

Gingiss, P.M. TDSHS Strategic Planning Committee. Development of the Texas 5-Year Strategic Plan for Tobacco Prevention and Control. Austin, TX. April 3–4, 2007.

Gingiss, P.M. Journal Reviewer: Journal of Health Education, Preventive Medicine-An International Journal, American Journal of School Health.

Lee, R.E. Appointed UH Obesity Research Center Director (April, 2007).

Bloom, J.A. Re-elected as Chair of the UH Undergraduate Council.

Bush, J.A. Appointed Vice Chair of UH Committee for the Protection of Human Subjects.

Bloom, J.A. Created, conducted and implemented the first Senior Water Fitness Festival for the City of Houston. This was part of the Senior Initiative for Texercise-Houston and the Mayor's Wellness Council sponsored The Texas Department of Aging & Disability Services.

McFarlin, B.K. Named Fellow of the Obesity Society (Formally presented at the NAASO meeting in October 2007).

Alastuey, L. Texas representative for the 2008 AAHE/AAHPERD Convention Planning Meeting, Kennebunkport, Maine, July 25–27, 2007.

Pearson, D.W. Review Panel Member (7/23/07): American Alliance for Health, Physical Education, Recreation and Dance (AAHPERD). Reviewer of abstracts and symposia submitted to the Research Consortium for the 2008 AAHPERD National Convention and Exposition. Ft. Worth, TX.

Martinez, D.A. NIH Study Section Member: Special Emphasis Panel/Scientific Review Group, Physiology and Pathophysiology of Organ Systems, 2007/01 Council ZRG1 F10-H 20, Washington, D.C. 6/11–12/2007.

Kurz, M.J. Selected as a research faculty for the Center for Neuroengineering and Cognitive Science.

Bush, J.A. National Strength and Conditioning Association JSCR Editorial Excellence Award (July 2007).

Olvera, N. Phi Delta Kappa Advocate for Education Bridge to the Future Award, sponsored by Phi Delta Kappa Chapter of the Houston Area, 2007.

Dr. Dale Pease, retired professor and former department chair, will be the recipient of a TAHPERD Honor Award at the Annual Convention in Dec. 2007, Moody Gardens, Galveston TX.

Student Achievements

Chris Arellano was featured in the Houston Chronicle 10/12/2006 (**Max Kurz**, advisor).

Lorino AJ and **JA Bush**. Dose-dependent effect of pseudo ephedrine on maximal time to exhaustion and muscle fatigue. NSCA Grant, Amount Requested: \$3,557.97.

Knoblauch M and **JA Bush**. Effect of acute eccentric resistance exercise on muscle damage in hypercholesterolemic individuals. NSCA Grant, Amount Requested: \$4,174.38.

Knoblauch M and **JA Bush**. Comparison of eccentric exercise-induced muscle damage markers from static and PNF stretching protocols. NSCA Grant, Amount Requested: \$1,419.88.

Japan Bhalja awarded Provost's Undergraduate Research Scholarship (PURS) fall 2007 Program (**Thrasher T.A.**, supervisor).

Melissa Castillo, Nutrition major, was hired as the Coca-Cola intern for Fall 2007.

Chris Arellano, Rice-Houston Alliance for Graduate Education and the Professoriate (AGEP) Summer 2007 Research Program Fellowship (**M. Kurz**, advisor).

Melissa Scott-Pandorf, NASA/Texas Space Grant Consortium Fellow 2007–2008 (**M. Kurz**, advisor).

Chris Arellano, NASA/Texas Space Grant Consortium Fellow 2007–2008 (**M. Kurz**, advisor).

Ashley Hickerson, 2007 Honors College Summer Undergraduate Research Fellowship (SURF) (**M. Kurz**, advisor).

Eugene Chaung, 2007 Honors College Summer Undergraduate Research Fellowship (SURF) (**M. Kurz**, advisor).

Mamta Roopani Awarded 2007 TAHPERD Health Division Student Scholarship.

Georgia Aljawadi (Cruz) 2002 Health BS, and 2003 Health Ed, MED, is now a Doctor of Osteopathy at the University of North Texas Health Science Center–Texas College of Osteopathic Medicine, and first-year Medical Resident at San Jacinto Family Medicine Center at San Jacinto Methodist Hospital in Baytown, TX.

Nader Zamani, Alliance for the Graduate Education and the Professoriate (AGEP) Summer 2007 Research Program (Advisor: **Thrasher T.A.**).

Syed Javed, Summer Undergraduate Research Fellowship (SURF) Summer 2007 (Advisor: **Thrasher T.A.**).

Stephanie Pucek was accepted into University of Texas Medical Branch, Fall 2007.

Michelle Aguilos, B.S. Double Major Candidate in Nutrition and Biology, Departments of Health and Human Performance, Biology and Biochemistry. Recipient of the Fall 2007 Provost's Undergraduate Research Scholarship (PURS) Program. Title of the Research Project: "IGF-1 Gene Therapy in Orthopaedics." \$1,000 scholarship (**Martinez, D.A., (PI)** Mentor/Advisor).

Micah Mesko, Rice-Houston Alliance for Graduate Education and Professoriate (AGEP) Summer 2007 Research Program Fellowship – (**M. Kurz**, advisor).

Outstanding HHP Students – May, 2007

- ▲ Movement & Sports: **Jennifer Everett**
- ▲ Sport Administration: **Jeremy Matthew McDonald**
- ▲ TAHPERD Student of the Year: **Steven Zbranek**
- ▲ Health: **Khurram Shahzad**
- ▲ Exercise Science: **Jennifer Dry**
- ▲ Nutrition: **Safia Hussain**
- ▲ M.Ed.: **Diana Abuamer**
- ▲ Ph.D.: **Melissa Scott-Pandorf**
- ▲ GLO CPAs, LLP Scholarship awardees:
Ashley Hickerson (M. Kurz, advisor)
Daniel Wingard (B. McFarlin, advisor)



Graduate Student Research Award winners

- ▲ **Chris Arellano**
- ▲ **Gabe Blog**
- ▲ **Alexander Hutchinson**
- ▲ **Melissa Scott-Pandorf**
- ▲ **Monique Mills**
- ▲ **Mark Knoblauch**
- ▲ **Kristen McAlexander, K.**
- ▲ **Lindsay Edwards**



Alumni Achievements

Akilah Carter (2000) is currently a doctoral student at the University of Georgia. She presented a paper at the North American Society for the Sociology of Sport, International Conference, Vancouver, British Columbia, Canada, November 1–4, 2006.

Michelle McNerney received an internship at NIH. Ms. McNerney is a former SURF student of **Max Kurz**.

Matthew T. Mahar, Professor of exercise and sport science at East Carolina University, received the UNC Board of Governors Teaching Award in May 2007, (**Andrew Jackson**, advisor).

Daniel P. O'Connor was hired as assistant professor in the Department of Health and Human Performance, University of Houston.

Shawn Mosley, B.S. (2000) was recently accepted to the Executive MBA program at University of Texas at Dallas. Mosley (formerly Mayberry) was a Sport Administration Program student.

Steve Zbranek TAHPERD Student of the Year

Judy Salazar and **Steven Willman** (2007) are Health/Fitness Program employees, Spring Branch ISD, Houston, TX.

Linda Luna (2007) Wellness/Fitness Coordinator and varsity track and field coach, Bellville, TX.