



UNIVERSITY of **HOUSTON**

Health and Human Performance

annual report 2010

## *HHP continues to be at the forefront of:*

### ***Nationally Competitive Research***

Committed to providing outstanding educational experiences and premier research opportunities designed to develop tomorrow's leaders in the exercise, health and fitness sport administration and nutrition industries.

### ***Student Success***

Dedicated to having a student profile consistent with a nationally competitive public research university by creating an environment in which student success can be ensured.

### ***Community Advancement***

Connected to the community by striving to fulfill regional and state workforce needs while becoming a primary engine of social, economic and intellectual development.

### ***Local and National Recognition***

Recognized by local and national media for innovation, productivity and accomplishments.

### ***Outstanding Alumni***

Proud of our successful alumni who continue to make important contributions to the world at large.

## Health and Human Performance

Welcome to the 2010 Health and Human Performance annual report. We hope you take advantage of the calendar format during the year to keep informed about the groundbreaking research, outstanding academics and exciting activities of one of the University of Houston's top-ranked programs.

Most annual reports are a time of reflection on the previous year, but this year's calendar format will also notify you of some of the upcoming events that our faculty and students participate in during the academic year. As you will see, this year's report continues to emphasize our commitment to the initiatives that UH president, Dr. Renu Khator, and the Board of Regents have set forth in UH's goal of becoming a Tier-One university.

The past year had its challenges, but I am pleased to report that our department met with many successes as we moved forward on numerous initiatives. The outstanding and diverse faculty, state-of-the-art facilities, and collaborative professional and community relationships further established the recognition and uniqueness of our research and academic programs.

Interdisciplinary collaborations and projects continued to advance our research efforts and to make great strides in training the next generation of professionals in health and human performance.

Student Success is paramount with our faculty and staff, and we are proud to showcase their accomplishments and awards as a result of their educational experiences and opportunities in HHP.

Our top-tier faculty continued to receive local, national and international recognition for their many accomplishments in research, academics and service.

Community advancement played a vital role allowing faculty and students to be of service to others and experience learning opportunities in real-world situations with mutual benefits.

HHP alumni continue to make important contributions to the world at large. We are very proud of our alumni and always welcome their input regarding how we can continue to improve our department. Their contributions underline the importance of supporting the programs that prepare students to impact the world.

Beginning this fall, some elements of the HHP department will move to the College of Liberal Arts and Social Sciences (CLASS). As HHP research and curriculum has evolved concerning health issues in relation to quality of life and social factors, it is anticipated that opportunities of common interest will emerge with our new colleagues in CLASS. These interdisciplinary opportunities of collaboration will only strengthen the educational foundation of our students.



photo by Joy Wilson

*Dr. Charles Layne*

Your gifts make it possible for us to stay focused on our students' success and provide them with the educational and research skills and opportunities that will give them a competitive advantage in the workplace. Thanks for all of your support.

We would love for you to visit us on campus as well as our Web site at <http://hhp.uh.edu>.

***Go Coogs!***

## Nationally Competitive Research

HHP continued to advance its research efforts in 2010 and made great strides in training the next generation of professionals in health and human performance.

The diverse and renowned faculty is internationally recognized for their accomplishments and student-oriented approaches. HHP offers sophisticated, state-of-the-art facilities and equipment for interdisciplinary research, instruction and outreach programs.

### *The Center for Neuromotor and Biomechanics Research (CNBR)*

- Wheelchair-bound patients are enabled to pedal a bicycle-like apparatus using electrodes that stimulate major muscle groups with two healthy results: 1) the exercise can mitigate conditions such as obesity and high cholesterol that often challenges these individuals; and 2) the pedaling motion helps strengthen the affected muscle groups, helping to rehabilitate some patients.
- Researchers used a functional near-infrared spectroscopy optical topography brain image system (fNIRS) on loan from Hitachi to explore how balance is regulated, how various parts of the brain coordinate bipedal stability and how brain function changes when people suffer brain injuries due to stroke or concussion.
- A first-of-its-kind study is being conducted to determine if Virtual Reality (VR) systems can be effective in treating movement disorders for people with sensory deafferentation syndrome.
- A project funded by the Health Resources and Services Administration (HSRA), U.S. Dept. of Health and Human Services developed a database that will help define upper extremity motions, and will be useful in the design and development of new upper extremity prosthetics and orthotic systems.

Learn more:

CNBR <http://hnp.uh.edu/cnbr>



photo by Joy Wilson

*A patient tries out the FES Cycle*

# August 2010

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
	<i>1<sup>st</sup> day of class fall 2010</i>	31				<i>last day to add a class</i>
29	30					

## *Texas Obesity Research Center (TORC)*

- Housed in HHP, TORC promotes research to prevent, control and treat obesity and related health compromising conditions integrated within a multi-disciplinary, translational and lifespan perspective.
- In the Science & Community project (NIH-funded), HHP researchers are developing community infrastructure to participate in scientific studies aimed at increasing awareness, improving health habits and changing environmental and social structures to prevent and treat obesity.
- M. D. Anderson Cancer Center and HHP researchers are collaborating in the NIH-funded iMOVE! Project. In one of the first studies of its kind, the project will use ecologic momentary assessment and geographic positioning technology to measure and track people's physical activities in real time.
- In another NIH funded partnership with researchers from the Children's Nutrition Research Center, HHP investigators are using geographic information systems technology to measure and track the physical activities and dietary habits of Hispanic children in Houston.
- The BOUNCE Healthy Lifestyle Summer Program received \$5,000 from Warfab, Inc. and honorable mention from The Texas Council on Cardiovascular Disease and Stroke Prevention.
- Investigators developed several strategies to reduce the misclassification of African Americans and Asian Americans as overweight or obese using body mass index categories.
- Research has begun to investigate the relationship between excessive body fat, postural stability and risk of falling, risks associated with exercising in very hot environments and misperceptions of child weight in parental reports.
- The Training and GeneEcs of the Exercise Response (TIGER) Study received additional NIH funding for more than \$3.5 million over five years. The study will examine the interaction between obesity, exercise and genetics. Drs. Brian McFarlin, Daniel O'Connor and Tony Jackson will collaborate with Dr. Molly Bray (PI) from the University of Alabama at Birmingham.

### Learn more:

TORC <http://hhp.uh.edu/obesity>

BOUNCE <http://bounce.uh.edu>

TIGER Study <http://www.uh.edu/tigerstudy>

***Nationally Competitive Research***



*Health Is Power participants*

# September 2010

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3	4
5	6 <i>Labor Day holiday</i>	7	8 <i>official reporting day &amp; last day to drop a course or withdraw without receiving a grade</i>	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

## Nationally Competitive Research

### *Laboratory of Integrated Physiology (LIP)*

- Research has resulted in a process that grows real human bone in tissue culture, which can be used to investigate how bones form and grow. The technology has now been licensed to a start-up company, OsteoSphere Inc., which will examine ways the research can be used in a clinical setting for applications such as spinal fusions, facial reconstructions following bomb blasts or the re-growing of an individual bone outside of the patient.
- Scientists conducted research in HHP's environmental chamber studying how exercising in extreme climates may suppress the body's immune system and place individuals at an increase risk for illness. Developing the potential risk factors to identify who is going to be more susceptible will allow special precautions and strategies to be taken by medical staff.
- NASA provided a grant for the development of a submaximal cycling protocol to identify the ventilatory threshold in astronauts in order to monitor changes in aerobic fitness following long-duration spaceflight missions.
- UH hosted the annual conference of the 2010 Texas American College of Sports Medicine (TACSM) on campus with more than 250 scientists attending.
- Biothera awarded a grant to investigate what immune pathway Wellmune WGP supplementation will protect the body from the stress of exercise in a hot, humid environment.

#### **Learn more:**

LIP <http://grants.hhp.coe.uh.edu/lip>

Environmental Chamber <http://tiny.cc/EnvironChamber>

*Graduate student Katie Carpenter working in the lab*

# October 2010

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1 <i>regular application for graduation deadline</i>	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29 <i>late application for graduation deadline</i>	30
31						

## *Health Education*

- An assessment of the effects of funding cuts in schools across Texas by the Health Network for Evaluation and Training Systems (HNETS) was published in the “Journal of School Health,” titled “Influence of Funding Cuts on Texas School Tobacco Programs.”
- The UH Faculty Development Initiative Program awarded HHP professors a grant for expanding and improving existing online health-related undergraduate and graduate courses in the department.
- The Journey of the Asian American Diversified Education (JAADE) research project received a grant from the Cancer Prevention and Research Institute of Texas (CPRIT) to develop, implement and assess the effectiveness of a culturally tailored cervical cancer educational program for Vietnamese American women with limited health literacy and English proficiency.
- The Texas Youth Tobacco Awareness Program (TYTAP) aims to reduce the risk of tobacco-related cancers in Texas by developing and implementing tobacco cessation services for adolescents. The Department of State Health Services funds TYTAP and it is the only state approved program for meeting the mandates of Texas law.
- Dr. Demetrius Pearson presented “Sport Management and the Burgeoning Faith-Based Physical Activity Industry,” which addresses the rapidly growing sport, fitness and health-related screening that is part of a more holistic approach to ministerial activities designed to impact the health and well being of parishioners.

### Learn more:

HNETS <http://schtoolkit.coe.uh.edu>

TYTAP <http://www.dshs.state.tx.uh/tytap.com>

***Nationally Competitive Research***



*Girls in the healthy lifestyle summer program, BOUNCE, learn water aerobics*

# November 2010

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3 <i>last day to drop a course or withdraw with a "W"</i>	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18 <i>TORC Obesity Symposium</i>	19 <i>TORC Obesity Symposium</i>	20
21	22	23	24	25 <i>Thanksgiving holiday</i>	26 <i>Thanksgiving holiday</i>	27
28	29	30				

## Student Success

Preparing students for success is the constant focus of the department's faculty and staff. From recruiting, advising and curriculum, to technology, internships and research opportunities, every effort is made to further our students' success and enhance their educational experience.

- The HHP 2010 outstanding student awards ceremony was held at Shasta's Cafe. Seventeen undergraduate and graduate students were honored for their achievements in their respective program areas.
- The Wii Performance class is a one-hour credit course designed to reach those students who might not take a weight-training class or a soccer class, but would expand their physical activity in other ways while learning about nutrition and health, and fitness as well.
- Nutrition undergraduate, Nada Sarraj, participated in the "Posters on the Hill" event at the U.S. Capitol in Washington and presented "Moderate Treadmill Exercise Prevents Oxidative Stress-induced Anxiety-like Behavior in Rats," detailing her research on the effects of exercise in alleviating stress.
- Graduate students, John Ward and Vladimir Ivkovic, won the first and third positions, respectively, at the annual National Center for Human Performance (NCHP) Scientific Poster Contest.
- A Free lecture series was offered to all students addressing "Disparities in Health in America: Working Towards Social Justice" presented by experts in the field of health care.

### Learn more:

Wii Performance class <http://tinyurl.com/HHPWii>

Nada Sarraj <http://tiny.cc/HHP-NadaSarraj>

Student awards <http://tiny.cc/2010HHPawards>

# December 2010

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3	4 <i>last day of classes</i>
5	6 <i>reading period or make up day</i>	7 <i>reading period or make up day</i>	8 <i>finals</i>	9 <i>finals</i>	10 <i>finals</i>	11
12	13 <i>finals</i>	14 <i>finals</i>	15 <i>finals</i>	16 <i>finals</i>	17 <i>official closing day and commencement</i>	18 <i>commencement</i>
19	20	21	22	23	24	25
26	27	28	29	30	31	

- Shasta's Culinary Workshop is operated by nutrition majors who are responsible for managerial roles and culinary tasks, and it is a popular lunch destination for the UH community.
- A second series of free lectures that were a component of the Space Life Sciences (SLS) curriculum was offered to all students featuring renowned scientists from NASA Johnson Space Center.
- UH's Undergraduate Student Research Day had 94 poster entries, nine of those were HHP students and six of those students were recognized for their outstanding research projects.
- There were 11 graduate students who presented their research at HHP's Graduate Student Research Day. The material presented was published in the "International Journal of Exercise Science."
- The first series of HHP brochures designed to inform and recruit potential students was completed with the addition of the Master in Exercise Science and the graduate degree in Kinesiology with three brochures featuring its three emphases in Exercise Physiology, Motor Behavior and Obesity studies, bringing the total to 10 brochures.
- Kelly Strohacker won the Student Research Development Award from the Texas ACSM for her project titled "Cytokine Production in Monocytes of High-Fat Fed Mice During a 4-week Weight Loss Intervention."
- Emily LaVoy received the 2010 TACSM Student Research Development award for her "Does Exercise in Sub-freezing Temperatures Effect Immune Function?" project.

Learn more:

SLS curriculum <http://tiny.cc/HHPSpaceLifeSciences>

Shasta's <http://grants.hhp.coe.uh.edu/shastas>

***Student Success***



*Shasta's Culinary Workshop students*

# January 2011

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17 <i>Martin Luther King, Jr. holiday</i>	18 <i>first day of class</i>	19	20	21	22
23	24 <i>last day to add a class</i>	25	26	27	28	29
30	31					

## Student Success

- HHP Honor's Society (HHPHS) is geared toward kinesiology, nutrition and health majors. HHPHS is committed to the professional development of HHP students as an information source for students to keep up-to-date on the expanding field of health and human performance by providing workshops, various forms of literature as well as hosting forums with guest speakers.
- The Student Nutrition Association (SNA) provides a framework for meaningful student involvement and fosters interest in the profession of dietetics. It strives to broaden the scope of the educational experience through nutrition-related activities and to provide sound nutritional information to the community.
- Guillaume Spielmann won the Texas ACSM Student Research award (Master's level).
- The following students were awarded scholarships at UH's Black Alumni Association's 21st Annual Scholarship and Awards Celebration:

**Quione Cooke** received the Alumni Association Scholarship, Kappa Alpha Psi Scholar.

**Joshua Medlock** won the AAIS Scholarship, Pilgrim Rest Baptist Church Scholar.

**Jessica Ogbonmwan** was the 2010 teachHouston scholarship recipient.

Read more about HHP's students' success and accomplishments in the back of the calendar under "Student Achievements."

Keep up with HHP happenings:

Follow us on Facebook <http://tiny.cc/HHPatUH>

See us on YouTube <http://tiny.cc/HHPvideos>

Visit us at <http://hhp.uh.edu>

**Learn more:**

HHPHS <http://uh.edu/hhphs>

SNA <http://www.hhp.uh.edu/sna>



# February 2011

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2 <i>official reporting day &amp; last day to drop a course or withdraw without a grade</i>	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

## Community Advancement

Faculty and students connect with local residents by participating in community activities and projects, resulting in service to others and learning opportunities in real-world situations with mutual benefits.

- HHP faculty, staff and graduate students participated in the 38<sup>th</sup> annual Chevron Houston Marathon, which took place January 17, 2010. More than 12,000 donations raised a record \$1.8 million to benefit 46 nonprofit organizations. The 2010 marathon had its largest field of runners with more than 26,000 participants registered.
- The 2009 Downtown YMCA Chevron Jingle Bell Run is a favorite community event for HHP faculty, graduate students and staff. The December tradition is family oriented with a 5-mile adult run and a 3-mile family walk, benefitting the Downtown YMCA Partners Campaign.
- HHP sponsored the American Cancer Society's 5K walk on the UH campus. There were 3,800 participants; and \$490,000 was raised for breast cancer research and to assist uninsured and underinsured women obtain mammograms.
- Dr. Joel Bloom participated in the TAHPERD Summer Conference in San Antonio, which featured the Tour de TAHPERD Mission Ride. Thirty-four cycling middle and secondary physical educators and history teachers inaugurated this first-time "rolling classroom" event.
- The HHP Honors Society (HHPHS) focused on informing members of internships and volunteer opportunities in HHP grant projects; participated as runners and volunteers in the American Diabetes Association's StepOut 5K event and raised funds for St. Jude's Children's Hospital through bake sales and taco sales on campus.

### Learn more:

HHP Current Events <http://tiny.url/HHP-CurrentEvents>

HHPHS <http://uh.edu/hhphs>



*Team HHP members*

# March 2011

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
	<i>Spring Break</i>					
20	21	22	23	24	25	26
27	28	29	30	31		



photo by Joy Wilson

*Great Strides Walk-a-thon participant*

- HHP sponsored the annual “Great Strides—Taking Steps to Cure Cystic Fibrosis” 3K walk through the UH campus to raise money for the Cystic Fibrosis Foundation. The event attracted 900 participants and raised \$830,000.
- Student Nutrition Association (SNA) members conducted bake sales for local charities, volunteered time at Cuney Homes, participated in AIDS Walk Houston, the American Heart Association’s Walk, the Mayor’s Wellness Counsel, the Houston Children’s Festival and other worthy causes.
- The Houston Ballet has partnered with HHP to develop a Movement Arts course for students pursuing a master’s degree in physical education that will provide students the opportunity to expand their understanding of human performance.
- Graduate and undergraduate internships allow HHP students to apply their education and to contribute to the community in real-life situations. In turn, experiential learning creates a strong practical background and competitive edge that students need after they graduate.
- Sean McLean’s internship was served in events management for the Harris County-Houston Sports Authority.
- Ruben Vasquez translated materials from English to Spanish and was a liaison between the Spanish-speaking community and HHP’s BOUNCE staff members.
- Trezley Tucker interned in recreational management at the Judson Robinson Jr. Community Center.

**Learn more:**

SNA <http://www.coe.uh.edu/orgs/sna>

HHP and Houston Ballet <http://tinyurl.com/HHP-HouBallet>

***Community Advancement***

# April 2011

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5 <i>last day to drop a course or withdraw with a "W"</i>	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

## Local and National Recognition

As part of UH's nationally recognized programs, the faculty of HHP continues to garner local, national and international recognition for their accomplishments in research and academics.

- Researcher's work with the environmental chamber that examines how working out in extreme temperatures may suppress the body's immune system was the subject of national and international media coverage.
- Dr. Joel Bloom, whose career at UH spans more than 40 years, was selected as the 2009-2010 UH Teaching Excellence Career Award recipient. The award is given to tenured faculty who has demonstrated excellence in teaching over the course of their careers at UH.
- Dr. Charles Layne was named Most Cited Author for the article "Spatial Factors and Muscle Spindle Input Influence the Generation of Neuromuscular Responses to Stimulation of the Foot" by *Acta Astronautica*.
- HHP emeritus faculty member Dr. Andrew Jackson's study on the role of "Lifestyle and Aging on Cardio-respiratory Fitness" was published in "The Archives of Internal Medicine." The report received wide national coverage in the media.
- Dr. Lisa Alastuey was selected as the 2009-2010 Southern District College/University Health Educator by the Southern District of the American Alliance for Health, Physical Education, Recreation and Dance (AAHPERD). She was also named Item Writer for the Texas Teacher Licensure (TExES) Exam, Health Education K-12.

Learn more:

HHP faculty <http://hhp.uh.edu/people.cfm>



Channel 11 News interviewed Dr. McFarlin about the Environmental Chamber

# May 2011

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2 <i>last day of classes</i>	3 <i>reading period or make up day</i>	4 <i>finals</i>	5 <i>finals</i>	6 <i>finals</i>	7
8 <i>finals</i>	9 <i>finals</i>	10 <i>finals</i>	11 <i>finals</i>	12 <i>finals</i>	13 <i>official closing day and commencement</i>	14 <i>commencement</i>
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30 <i>Memorial holiday</i>	31 <i>first day of classes, summer 12-week—regular</i>				



photo by Joy Wilson

Wii Fitness class

- The Wii Performance class was initiated as part of HHP's Activity Program. The one-hour credit course is not only popular with students, but the story has been featured in media around the world. Dr. Layne, HHP chair, was interviewed on Houston's FOX 26 morning news, in a segment featuring the Wii studio.
- News of Dr. Clarke's process that grows real human bone in tissue culture garnered national and international interest. The NASA-funded research has applications to long-term space flight, as well as in clinical settings, including culturing an individual's own bone for subsequent transplantation.
- Dr. William Paloski was invited to be a member of the THESEUS project (Towards Human Exploration of Space: a European Strategy), which is coordinated by the European Science Foundation (ESF). The objective of THESEUS is to develop an integrated life sciences research road map enabling European human space exploration in synergy with the European Space Agency (ESA) strategy.
- Dr. Brian McFarlin was named interim Editor-in-Chief of the "International Journal of Exercise Science." He was also a keynote speaker in the 10th International Society of Exercise and Immunology (ISEI) Symposium held at St. Catherine's College, Oxford, United Kingdom. McFarlin was inducted as a Fellow of the American College of Sports Medicine (FACSM) at the 2010 ACSM Annual Meeting.

**Learn more:**

Wii Performance class <http://tinyurl.com/HHPWii>

***Local and National Recognition***

# June 2011

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 <i>last day to add a class summer, 12-week, regular</i>	2	3 <i>official reporting day &amp; last day to drop a course or with- draw w/out a grade summer 12-week—regular</i>	4
5	6 <i>first day of classes summer 6-week—1st summer 9-week—1st</i>	7 <i>last day to add a class summer 6-week—1st summer 9-week—1st</i>	8	9 <i>official reporting day &amp; last day to drop a course or with- draw w/out a grade summer 6-week—1st summer 9-week—1st</i>	10	11
12	13	14	15	16	17	18
19	20	21	22 <i>last day to drop a course or withdraw with a “W” 6-week—1st</i>	23 <i>last day to drop a course or withdraw with a “W” 9-week—1st</i>	24	25
26	27	28	29	30 <i>last day of class, 6-week—1st</i>		

## *Local and National Recognition*

- The BOUNCE program was featured on Houston's KHOU Channel 11 News segment, highlighting their efforts on reducing obesity in minority girls and teaching them about nutrition, exercise, body image and self-esteem.
- Dr. Daniel O'Connor received the Charles S. Neer, II, M. D. Award for Outstanding Clinical Science Research from the American Shoulder and Elbow Surgeons organization.
- Dr. Adam Thrasher was appointed to a scientific study group for the U.S. Department of Education (NIDDR)-Switzer Fellowship applications.
- Dr. Daniel O'Connor's study was featured in "Parents are Unreliable in Reporting Children's Height, Weight" article in the "American College of Sports Medicine."
- The SALSA study received the award for Outstanding Achievement for a Community Program from the Texas Council for Cardiovascular Disease and Stroke. The SALSA study tests an innovative health intervention using web resources and salsa dancing to promote physical activity and improve dietary habits in women of color.
- Dr. Rebecca Lee was interviewed in a prime time segment on ABC's affiliate WKOW-TV news featuring the award-winning SALSA study.

### **Learn more:**

BOUNCE <http://bounce.uh.edu>

Dr. O'Connor's article <http://tiny.cc/HHP-OConnor>

SALSA <http://tinyurl.com/HHPSALSA>



*Dr. Paloski taping a UH Moment for KUHT*

# July 2011

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
					<i>finals, 6-week—1st</i>	<i>finals, 6-week—1st</i>
3	4	5	6	7	8	9
<i>official closing, 6-week—1st</i>	<i>4th of July holiday</i>	<i>first day of classes summer 6-week—2nd</i>	<i>last day to add a class, summer 6-week—2nd</i>	<i>last day of class, 9-week—1st</i>	<i>official reporting day &amp; last day to drop a course or withdraw w/out a grade summer 6-week—2nd</i>	<i>finals, 9-week—1st</i>
10	11	12	13	14	15	16
<i>official closing, 9-week—1st</i>				<i>last day to drop a course or withdraw with a "W" 12-week—regular</i>		
17	18	19	20	21	22	23
24	25	26	27	28	29	30
			<i>last day to drop a course or withdraw with a "W" 6-week—2nd</i>			
31						

## Alumni

**HHP** is proud of the accomplishments of its alumni. Their contributions underline the importance of supporting the programs that prepare students to impact the world.

- Dr. Andrew Abercromby (Ph.D. '06) was selected as a NASA Extreme Environment Mission Operations (NEEMO-14) aquanaut to work in the Aquarius habitat. He is a project manager with NASA's EVA Physiology Systems and Performance Project (EPSP). NASA awarded him the prestigious Silver Snoopy award given to no more than one percent of eligible recipients among employees and contractors for outstanding achievements related to human flight safety.
- Jorge A. Banda ('04, M.S. '07) received the Minority Health Fellow Award (\$58,190) from the Norman Arnold School of Public Health and the 2010 Charles Coker Trustee Fellowship, both from the University of South Carolina. He also received the 2010 Built Environment Assessment Training Institute Scholarship from the University of Pennsylvania.
- Dwight Davis ('00) was selected as the recipient of the 2010 Jobs for America's Graduates' (JAG) National Workforce Development Leadership Award. Davis is chair of the New Hampshire Workforce Opportunity Youth Council.
- Dr. Mel E. Finkenberg (Ed.D. '76) was named interim dean of the James I. Perkins College of Education at Stephen F. Austin State University in Nacogdoches, Texas.
- Kevin Joseph ('09) is a sports reporter on Houston's 1560 AM radio and has hosted the popular "1560 The Game" and "Cougars Tonight" radio shows. He is producer for "Game-time" on Saturdays and Sundays from 2-6 p.m. and you can follow him on Twitter @kj1560.
- Dr. Lesley Kargbo ('05) is a doctor of physical therapy and a certified strength and conditioning specialist at the Texas Orthopedic Hospital in Houston, Texas.

**Learn more:**

HHP Alumni <http://www.hhp.uh.edu/alumni>

*Dr. Andrew Abercromby, post Extra Vehicular Activity (EVA)*

photo courtesy of NASA

# August 2011

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	4	5	6
7	8 <i>last day of class, 12-week—regular 6-week—2nd</i>	9 <i>finals, 12-week—regular 6-week—2nd</i>	10 <i>finals, 12-week—regular 6-week—2nd</i>	11 <i>official closing 12-week—reg. 6-week—2nd  finals, 12-week—regular</i>	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

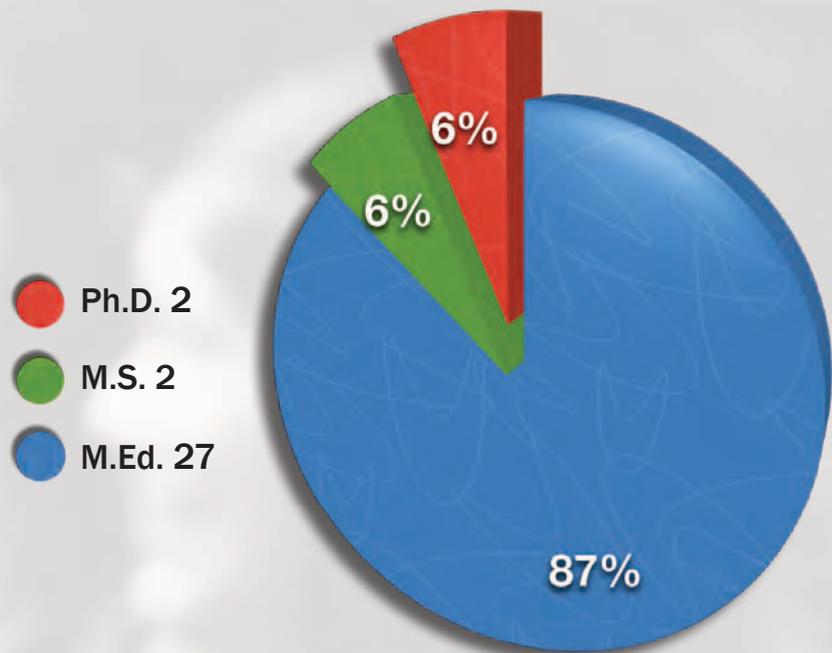
# Degrees Conferred

## Ph.D. Kinesiology Students and Dissertations

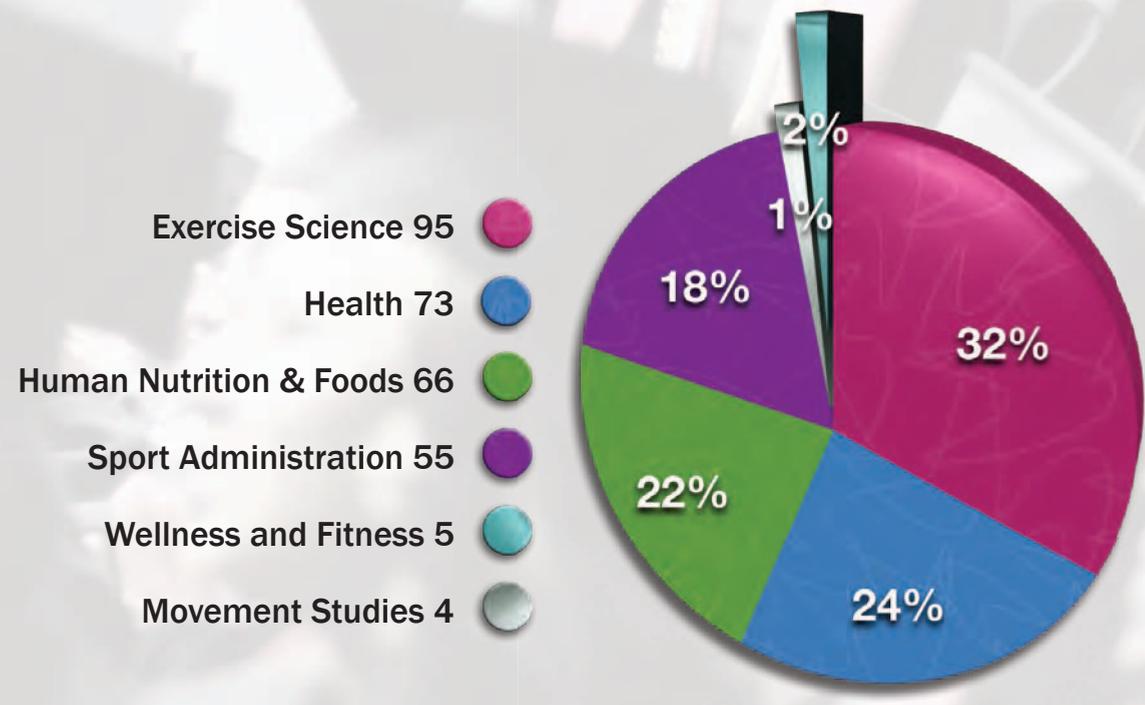
**Kristen McAlexander**, "Correspondence of Directly and Indirectly Measured Built Environment Attributes and Physical Activity Adoption Among African American and Hispanic or Latina Women"

**Augusto Rodriguez**, "Obesity and Physical Fitness of Latino Children During the School Academic Year and the Summer Season: A Longitudinal Study"

### 31 GRADUATE DEGREES CONFERRED



### 298 UNDERGRADUATE DEGREES CONFERRED



**Gingiss, P. M.**, Boerm M. "Influence of Funding Cuts on Texas School Tobacco Programs." Journal of School Health. 79(8):361–368. 2009.

**Jackson, A. S.**, Sui, X., Hebert, J. R., Church, T. S. and Blair, S. N. "Role of Lifestyle and Aging on the Longitudinal Change in Cardiorespiratory Fitness" Journal of American Medical Association's Archives of Internal Medicine. 169(19):1781–1787. October 2009.

Arellano, C. J., **Layne, C. S.**, **O'Connor, D. P.**, Scott-Pandorf, M., Kurz, M. J. "Does Load Carrying Influence Sagittal Plane Locomotive Stability?" Medicine & Science in Sports & Exercise. 41(3):620–627. March 2009.

Turnock, M. and **Layne, C. S.** "Variations in Linear and Nonlinear Postural Measurements Under Achilles Tendon Vibration and Unstable Support-surface Conditions." Journal of Motor Behavior. 42(1):61–69. 2010

McMillan, T. E., Cubbin, C., Parmenter, B., Medina, A. V., **Lee, R. E.** "Neighborhood Sampling: How Many Streets Must an Auditor Walk?" International Journal of Behavioral Nutrition and Physical Activity. 7(20). March 2010.

**Lee, R. E.**, Mama, S. K., Banda, J. A., Bryant, L. G., McAlexander, K. P. "Physical Activity Opportunities in Low Socioeconomic Status Neighborhoods" Journal of Epidemiology and Community Health. 63(12):1021. December 2009.

**McFarlin, B. K.**, Johnston, C. A., Tyler, C., O'Connor, D. P., Strohacker, K. A., Reeves, R., Jackson, A. S., Foreyt, J. P. Relation between adiposity and disease risk factors in Mexican American children. Journal of Pediatric Gastroenterology and Nutrition. 49(4):450–5. October 2009.

Navalta, J. W., **McFarlin, B. K.**, Lyons, T. S., Faircloth, J. C., Bacon, N. T., Callahan, Z. J. "Exercise-induced Lymphocyte Apoptosis Attributable to Cycle Ergometer Exercise in Endurance-trained Individuals." Applied Physiology, Nutrition and Metabolism. 34(4):603–8. August 2009.

Strohacker, K. S., **McFarlin, B. K.** "Obesity, Physical Inactivity and Weight Cycling: Impli-

cations for Chronic Inflammation?" Frontiers in Bioscience. 2008. Frontiers in Bioscience (Elite Ed) 1(2):98–104. January 2010.

Navalta, J. W., **McFarlin B. K.**, Lyons, T. S. "Does Exercise Really Induce Lymphocyte Apoptosis?" Frontiers in Bioscience. (Elite Ed). 2:478–88. January 2010.

Phillips, M.D., Flynn, M. G., **McFarlin, B. K.**, Stewart, L. K., Timmerman, K. L. "Resistance Training at Eight-Repetition Maximum Reduces the Inflammatory Milieu in Elderly Women." Medicine & Science in Sports & Exercise. 42(2):314–25. February 2010.

Johnson, C. A., Tyler, C., **McFarlin, B. K.**, Poston, W. S. C., Haddock, C. K., Reeves, R., Foreyt, J. P. "Effects of a School-Based Weight Management Program for Mexican American Children: Results at 2 Years." Obesity (Silver Spring). 8(3):542–7. March 2010; Epub August 2009.

**McFarlin, B. K.**, Breslin, W. L., Carpenter, K. C., Strohacker, K., **Weintraub, R. J.** "Leveraging Online Learning Resources to Teach Core Research Skills to Undergraduates at a Diverse Research University." International Journal of Exercise Science. 3(2), Article 1.

Breslin, W. L., Strohacker, K., Carpenter, K. C., Esposito, L., **McFarlin, B. K.** "Weight Gain in Response to High-fat Feeding in CD-1 Male Mice" Lab Animal [Epub ahead of print]. April 2010.

Navalta, J. W., Mohamed, R., El-Baz, A., **McFarlin, B. K.**, Lyons, T.S. "Exercise-induced Immune Cell Apoptosis: Image-based Model for Morphological Assessment." European Journal of Applied Physiology. [Epub ahead of print]. May 20, 2010.

**O'Connor, D. P.**, Knoblauch, M. A. "Electrocardiogram Testing During Athletic Preparation Physical Examinations." Journal of Athletic Training. 45(3):265–272. 2010.

**O'Connor, D. P.**, Bray, M. S., **McFarlin, B. K.**, Sailors, M. H., Ellis, K. J., **Jackson, A. S.** "Generalized Equations for Estimating DXA Percent Fat of Diverse Young Women and Men: The TIGER Study." Medicine & Science in Sports & Exercise. Epub ahead of print. March 16, 2010.

Stocks, G. W., Self, S. D., Thompson, B., **O'Connor, D. P.** "Predicting Bacterial Populations Based on Airborne Particulates in Non-Laminar Flow Operating Rooms During Joint Replacement Surgery." American Journal of Infection Control. 38:199–204. 2010.

Edwards, T. B., Labriola, J., Stanley, R., **O'Connor, D. P.**, Elkousy, H., Gartsman, G. M. "Radiographic Comparison of Pegged and Keeled Glenoid Components Using Modern Cementing Techniques: A Prospective Randomized Study." Journal of Shoulder and Elbow Surgery. 9:251–257. 2010.

Edwards, T. B., Williams, M. D., Labriola, J. E., Elkousy, H. A., Gartsman, G. M., **O'Connor D. P.** "Subscapularis Insufficiency and the Risk of Shoulder Dislocation Following Reverse Shoulder Arthroplasty." Journal of Shoulder and Elbow Surgery. 18:892–896. 2009.

DeWitt, J., **O'Connor D. P.** "The Effect of Gravity on posture during running and sprinting." Aviation, Space and Environmental Medicine. 80:882–886. 2009.

Schneider A., Bennett J. M., **O'Connor D. P.**, Bennett, J. B., Mehlhoff, T.M. "Bilateral Ruptures of the Distal Biceps Brachii Tendon." Journal of Shoulder and Elbow Surgery. 8:804–807. 2009.

Scott-Pandorf, M., **O'Connor, D. P.**, **Layne, C. S.**, Kurz, M. J. "Walking in a Simulated Martian Gravity: Influence of the Portable Life Support System's Design on Dynamic Stability." Journal of Biomechanical Engineering. 31:091005. 2009.

Brinker, M. R., Mathews, V., **O'Connor, D. P.** "Ilizarov Distraction Prior to Revision Hip Arthroplasty Following Resection Arthroplasty with Profound Limb Shortening." Journal of Arthroplasty. 24:826(e17–e23). 2009.

**Olvera, N.**, Bush, J. A., Sharma, S., Knox, B., Scherer, R., Butte N. F. "BOUNCE: A Community-Based Mother-Daughter Healthy Lifestyle Intervention for Low-Income Latino Families." Obesity. 18(2):102–104. 2010.

**Olvera N**, Scherer, R., McLeod, J., Graham, M., Knox, B., Hall, K., Butte, N. F., Bush, J. A., Smith, D. W., Bloom, J. "BOUNCE: An Exploratory Healthy Lifestyle Summer Intervention

for Girls." Special issue on the best community-based programs in American Journal of Health Behavior. 32(2):144–155. 2010.

**Olvera, N.** McCarley, K. E., Leung, P., McLeod, J., Rodriguez, A. X. "Assessing Physical Activity Preferences in Latino and White Preadolescents." Pediatric Exercise Science. 21:400–412. 2009.

**Olvera, N.**, Power, T. "Parenting Styles and Obesity in Mexican-American children: A Longitudinal Study." Journal of Pediatric Psychology. Pp. 1–7 doi: 10.1093/jpepsy/jsp071. 2009.

Reshke, M. F., Bloomberg, J. J., **Paloski, W. H.**, Mulavara, A. P., Feiveson, A. H., Harm, D. L. "Postural Reflexes, Balance Control and Functional Mobility with Long-Duration Head-Down Bed Rest." Aviation, Space and Environmental Medicine. 80(5), Section II. May 2009.

**Paloski, W. H.** "Classics in Aerospace Medicine: Graybiel A, Kennedy R, Knoblock E, Guedry F, Mertz W, McLeod M, Colehour J, Miller E, Fregly A. Effects of Exposure to a Rotating Environment (10 RPM) on Four Aviators for a Period of Twelve Days." Aerospace Med 1965; 36: 733–54. In: Campbell, M. (ed.), Classics in Aerospace Medicine Section, Aviation Space and Environmental Medicine. 80:582–583. 2009.

**Paloski, W. H.**, Oman, C. M., Bloomberg, J. J., Reshke, M. F., Wood, S. J., Harm, D. L., Peters, B. T., Mulavara, A. P., Locke, J. P., and Stone, L. S. "Risk of Sensory-Motor Performance Failures Affecting Vehicle Control During Space Missions: A Review of the Evidence." Journal of Gravitational Physiology. 15(2):1–29. 2008.

**Simpson, R. J.**, Guy, K. "Coupling Aging Immunity with a Sedentary Lifestyle: Has the Damage Already Been Done?—A Mini Review." Gerontology. [Epub ahead of print] PMID: 20029165. 2009.

Ward, J., Fisher, S., **Thrasher, T. A.** "The Muscular Endurance and Strength Benefits of 13 Weeks of Functional Electrical Stimulation Cycling After Spinal Cord Injury." International Journal of Exercise Science. 3(1):2. 2009.

## Book Chapters

Layne, C. S., Lee, R. E., O'Connor, D. P., Horn, C. L., McFarlin, B. K. "Using Digital Communities to Enhance Student Persistence and Retention." In: Russell, D. (ed.) Cases on Collaboration in Virtual Learning: Processes and Interactions, pp. 140–153. 2009.

Lee, R. E., Layne, C. S., McFarlin, B. K., O'Connor, D. P., Siddiqi, S. "Obesity Prevention in Second Life: The International Health Challenge." In Virtual Learning Environments. Kansas City, Missouri; 2009.

Siddiqi, S. and Lee, R. E. "Building Virtual Communities for Health Promotion: Emerging Best Practices Through an Analysis of the International Health Challenge & Related Literature in Second Life." In Mohammed S, Fiaidhi J, ed. Ubiquitous Health and Medical Informatics: Advancements in Web 2.0, Health 2.0 and Medicine 2.0. Hershey, PA: IGI.

Brinker, M.R., O'Connor, D. P. "Principles of Malunion." Bucholz, R. W., Court-Brown, C., Heckman, J. D., Tornetta, P. (Eds.). Rockwood & Green's Fractures in Adults, 7<sup>th</sup> ed. Philadelphia: Lippincott Williams & Wilkins (pp. 641–663). 2009.

Pearson, D. W. "Absence of Power: Sheroes in Sport Films Post Title IX." L. K. Fuller (Ed.), Sports, Rhetoric, and Gender: Global and Universal Contexts (pp. 233–247). New York: Peter Lang. 2010.

## Other Publications

Gingiss, P. M., Boerm, M., O'Connor, D. P., Hermer, L. "Conditions Influencing the Adoption and Strength of Texas Municipal Ordinances: 2000–2009." Submitted to the Texas Department of State Health Services, Texas Tobacco Prevention and Control Initiative within the Mental Health and Substance Abuse Division, Austin, Texas. October 2009.

Michals-Matalon, K., Matalon, R. "Canavan Disease." Gilman S, editor. MedLink Neurology. San Diego: MedLink Corporation. Available at [www.medlink.com](http://www.medlink.com). February 16, 2010

## Other Publications

Matalon, R., Michals-Matalon, K. "Gangliosidosis 1." Gilman S, editor. MedLink Neurology. San Diego: MedLink Corporation. Available at [www.medlink.com](http://www.medlink.com). February 16, 2010.

Matalon, R., Michals-Matalon, K. "Gangliosidosis 2." Gilman S, editor. MedLink Neurology. San Diego: MedLink Corporation. Available at [www.medlink.com](http://www.medlink.com). February 16, 2010.

Acosta, P. B., Michals-Matalon, K. "Nutrition Management of Disorders of Aromatic Amino Acids." Nutrition Management of Patients with Inherited Metabolic Disorders. Ed. Acosta, P.B. Jones and Bartlett Publishers (pp. 119–174). Sudbury, MA. 2010.

Michals-Matalon, K. "Introduction to Genetics and Genetics of Inherited Metabolic Disorders." Nutrition Management of Patients with Inherited Metabolic Disorders. Ed. Acosta, P.B. Jones and Bartlett Publishes (pp.1–19). Sudbury, MA. 2010.

Young, L. R., Yajima, K., Paloski, W. H. "Artificial Gravity Research to Enable Human Space Exploration." Final report of IAA Study Group 2.2. Paris: International Academy of Astronautics, 2009.



Dr. Jian Liu

## Invited Professional Presentations

Layne, C. S. "Development of a Master's Degree in Human Space Life Sciences" workshop on the development of a MSc in space Physiology and Health. Joint program between Kings College, London UK, and European Space Agency. November 2009.

Lee, R. E. "Technology and Social Networking as a Means to Promote Health." Invited Moderator Community Health & Wellness Summit. January 16, 2010.

Lee, R. E. "Texas Obesity Research Center." Keynote speaker at the Texas Community College Association Annual Meeting, Houston, Texas. March 5, 2010.

Lee, R. E. "Virtual and Social Networks to Promote Health." Presented at the Art and Science of Health Promotion Conference, Hilton Head, SC. March 15, 2010.

Lee, R. E. "Our Obesogenic Environment: Is Living in Houston Making Us Fat?" Presented at the Houston Obesity Awareness Summit. June 12, 2010.

Liu, J. "Effect of Obesity on Human Dynamic Walking Stability" at the 2010 UH TORC Spring Symposium. April 16, 2010.

McFarlin, B. K. "Using Online Instruction to Teach Undergraduates About the Research Process." UH QEP Showcase. March 2010.

McFarlin, B. K. "Mouse Models of Obesity." TORC Spring 2010 Symposium.

O'Connor D. P. "Electrocardiography in Pre-participation Physical Exams: Challenges, Costs and Controversies" was the first webinar sponsored by the National Athletic Trainers' Association (NATA). July 2010.

Olvera, N. "Healthy Kids, Healthy Nation" meeting sponsored by the Robert Wood Johnson Foundation, Childhood Obesity Center. November 2009.

Olvera, N. "Physical Activity Measurement in Youth." Evaluation Workshop for Health Educator Network Harris County Public Health and Environmental Services, Houston, Texas. October 2009.

Olvera, N. Participated in "Get Up Get Moving Fitness Festival" organized by the Hispanic Health Coalition and National Alliance (\$15,000 in sponsorships), 1,500 attendees.

Paloski, W. H. "Neurophysiology Considerations for SAHC Design." Presented at ESA Workshop on Space-Based Short Arm Human Centrifuge (SAHC) Design, DLR Institute for Aerospace Medicine, Köln-Porz, Germany. January 28, 2010.

Paloski, W. H., Layne, C. S., Clarke, M. S. F. "Graduate Programs in Space Life Sciences at the University of Houston." Presented at Lloyd, C.W. and Thompson, W. (chairs) Panel on Science Education, the Endless Frontier, NASA Human Research Program Investigators Workshop, Houston, Texas. February 4, 2010.

Paloski, W.H. "Artificial Gravity." Presented at the Innovation 2010 RapForum, NASA Johnson Space Center, Houston, Texas. April 28, 2010.

Paloski, W. H. "Real-time Monitoring of Human Postural Stability." Department of Electrical Engineering, Chungnam National University, Daejeon, South Korea, October 2009.

Paloski, W. H. "Real-time Monitoring of Human Postural Stability." Eretec, Inc. Seoul, South Korea. October 2009.

Paloski, W. H. "Multi-system Effectiveness of Intermittent Artificial Gravity in Bed Rest Deconditioned Humans." Department of Physiology, Aichi Medical University, Nagoya, Japan. October 2009.

Paloski, W. H. "Multi-system Effectiveness of Intermittent Artificial Gravity in Bed Rest Deconditioned Humans." Department of Aerospace Medicine, Fourth Military Medical University, Xi'an, China. October 2009.

Paloski, W. H. "Sensory-motor Adaptation to Space Flight." Course on space medicine and extreme environments, Department of Physiology, University College London, London, England. December 2009.

Smith, D.W. and Colwell, B. (Invited experts). Fourth U.S.-Mexico Border Tobacco Policy Forum, Cd. Juárez, Chihuahua. October 2009.

## Professional Presentations

**Alastuey, L.** and Hernandez, B. "Health Tips for the Holidays" at the TAHPERD convention in Arlington, Texas. December 2009.

**Gingiss, P. M.,** Hermer L. "Planning for Adoption and Implementation of Smoke-free Ordinances in Texas." Workshop for the Texas Tobacco Prevention and Control Coalition for the Texas Department of State Health Services. Texas Tobacco Prevention and Control Initiative within the Department of State Health Services, Mental Health and Substance Abuse Division, Austin, Texas. October 2009.

Dettmer, M., **Layne, C. S., O'Connor, D. P.,** Pourmoghaddam, A. "Influence of Tendon Vibration on the Center of Pressure Sway Regularity During a Postural Learning Task." Annual meeting of Society of Neuroscience, Chicago. 2009.

**Lee, R. E.,** Liao, Y., **Mama, S. K., Medina, A. V.,** Reese-Smith, J. Y., Estabrooks, P. A. "Social Cohesion Increases Physical Activity in Obese Ethnic Minority Women." *Obesity*. 17(Suppl 2):S161. 2009.

**Liu, J.** and Lockhart, T. E. "Trunk Angular Kinematics During Slip-induced Falls and Activities of Daily Living: Towards Developing a Fall Detector". Proceedings of the Human Factors and Ergonomics Society 53rd Annual Meeting, 892-896, San Antonio, TX. 2009.

Houser, J. J., **O'Connor, D. P., Layne, C. S.** "Enhanced Cutaneous Sensation Mitigates Vibration Induced Sway." Annual meeting of Society of Neuroscience, Chicago. 2009.

**Lee, R. E., Mama, S. K.,** Banda, J. A., **Medina, A. V.,** Reese-Smith, J. Y., **Layne, C. S.,** Estabrooks, P. A. "Differences Across Physical Activity, Dietary Habits and Weight in Women of Color." *Annals of Behavioral Medicine*. 39(Supplement):s179. 2010.

**Mama, S. K., Medina, A. V.,** Orlando, E. R., McNeill, L., **Lee, R. E.** "A Culturally Friendly Web-based Hybrid Intervention to Prevent Obesity: The SALSA Study." *Annals of Behavioral Medicine*. 39(Supplement):s89. 2010.

**Mama, S. K.,** Quill, B. E., Fernandez-Esquer, M. E., Reese-Smith, J. Y., Banda, J. A., **Lee, R.E.** "Associations Between Body Image and Physical Activity in African American Women." *Obesity*. 17(Suppl 2):S162. 2009.

McAlexander, K. M., **Lee, R. E., Mama, S. K., Medina, A. V.** "Measured and Self-Reported Neighborhood Characteristics and Physical Activity Among African American Women." *International Journal of Exercise Science: Conference Abstract Submissions*, 2(2), Article 31. 2010.

**Lee, R. E.** "Technology and Social Networking as a Means to Promote Health." Invited Moderator Community Health & Wellness Summit. January 16, 2010.

**Lee, R. E., Mama, S. K.,** McAlexander, K. P., Adamus, H., **Medina, A. V.** "Neighborhood Factors and Physical Activity in African American Public Housing Residents." Presented at the Active Living Research Conference, San Diego, CA. 2010.

**Lee, R. E.** "Texas Obesity Research Center." Keynote speaker at the Texas Community College Association Annual Meeting, Houston, Texas. March 5, 2010.

**Lee, R. E., Mama, S.,** McAlexander, K., **Medina, A.,** Adamus, H., Heinrich, K. "Relationship Between Urban Goods and Services and Dietary Habits in Public Housing Residents." Presented at the Urban Affairs Association's 40<sup>th</sup> Annual Conference, Sustaining Cities in a Time of Globalization: Social, Economic and Political Realities. Honolulu, HI. 2010.

**Lee, R. E., Mama, S. K., Medina, A. V.,** Edwards, R. O., McNeill, L. H. "Latin Dance to Increase Physical Activity: The SALSA Study." Presented at the 3<sup>rd</sup> International Conference on Community Psychology, Puebla, Mexico. June 3, 2010.

**Lee, R. E.** "Virtual and Social Networks to Promote Health." Presented at the Art and Science of Health Promotion Conference, Hilton Head, SC. March 15, 2010.

**Lowder, T. W.** "Exercise Increases Regulatory T-cell Function in Asthmatic and Non-asthmatic Mice" in Tübingen, Germany at the 9<sup>th</sup> Symposium of the International Society of Exercise and Immunology (ISEI). September 2009.

**Lowder, T.** "Exercise Increases Regulatory T-cell Function and Decreases Th2 and Th17 Cytokine Production in Healthy and

Asthmatic Mice." AAI international meeting, Baltimore, MD.

Breslin, W. L., Strohacker, K., Agha, N., Carpenter, K. C., **Lowder, T. W., McFarlin, B. K.** "Exercise as a Prevention and Countermeasure to Diet-Induced Weight Gain." *International Journal of Exercise Science: Conference Abstract Submissions*. 2(2), Article 36. February 2010.

Carpenter, K. C., Strohacker, K., Breslin, W. L., Agha, N., **Lowder, T. W., Simpson, R. J., McFarlin, B. K.** "The Effects of Exercise and a Low-Fat Diet on Monocyte TLR Expression and Disease Risk in Mice," *International Journal of Exercise Science: Conference Abstract Submissions*. 2(2), Article 38. February 2010.

**McFarlin, B. K.,** Strohacker, K., Breslin, W., Carpenter, K. C., **Simpson, R. J.** "Body Weight Gain Alters Adipose Tissue Macrophage and Blood Monocyte TLR4, TLR2 and Leptin-R Expression in CD-1 Mice" in Tübingen, Germany at the 9<sup>th</sup> Symposium of the International Society of Exercise and Immunology (ISEI). September 2009.

**McFarlin, B. K., Weintraub, R. J., Layne, C. S.** "Current Approach to Teaching with Technology in Kinesiology and Exercise Science." Hawaii International Conference on Education. January 2010.

**McFarlin, B. K., Weintraub, R. J.,** Graham, S. "Comparing Learning Needs and Technology Proficiency Between Undergraduate Kinesiology Students in the USA and UK." Hawaii International Conference on Education. January 2010.

Cosgrove, C., Galloway, S. D. R., Neal, C., Hunter, A. M., **McFarlin, B. K.,** Guy, K., **Simpson, R. J.** "Changes in the Frequency of Senescent Blood T-cells During 6-months Training Preparation for an Ironman Triathlon." 9<sup>th</sup> Symposium of the International Society of Exercise and Immunology, Tübingen, Germany, Sept 21-23 2009.

LaVoy, E. C. P., **McFarlin B. K.** "A Rapid, Flow Cytometry-Based Assay for the Determination of Natural Killer Cell Activity in Isolated Periphery Blood Mononuclear Cells." *International Journal of Exercise Science: Confer-*

*ence Abstract Submissions*. 2(2), Article 41. February 2010.

Elkousy, H., Edwards, T. B., Drake, G., **O'Connor, D. P.,** Gartsman, G. M. "Free Hand vs. Ultrasound Gided Shoulder Injections: Retrospective Review of Outcomes." American Academy of Orthopaedic Surgeons 77<sup>th</sup> annual meeting. New Orleans, Louisiana. March 11, 2010.

Gartsman, G. M., Edwards, T. B., Elkousy, H., Drake, G., **O'Connor, D. P.** "Ultrasound Evaluation of Arthroscopic Full-Thickness Supraspinatus Rotator Cuff Repair: Single-Row vs. Double-Row Suture Bridge (Transosseous Equivalent) Fixation." Results of a Randomized, Prospective Study. American Shoulder and Elbow Surgeons open meeting. New Orleans, Louisiana. March 13, 2010.

Pourmoghaddam, A., **O'Connor, D. P., Paloski, W. H.,** Dettmer, M., **Layne, C. S.** "Sunergos a Clinical Index for Identifying Multiple Muscle Coactivation." Annual meeting of Society of Neuroscience, Chicago. 2009.

Stocks G. W., Self, S. D., Thompson, B., Adame, X. A., **O'Connor D. P.** "Predicting Bacterial Populations Based on Airborne Particulates in Non-Laminar Flow Operating Rooms." International Society for Technology in Arthroplasty." Annual Congress, Kona, Hawaii. October 22-24, 2009.



Dr. Daniel O'Connor

## Professional Presentations

Stelzig, D., Folch, N., **Olvera, N.** "Promoting Healthy Eating and Physical Activity in Low-Income Hispanic Women to Reduce Cancer Risk." Third place poster at the 19th annual meeting of the International Cancer Education Conference, Houston, Texas. 2009.



Dr. Norma Olvera

**Olvera, N.**, Leung, P., **Smith, D.**, Kellam, S. "From Mothers to Daughters: A Physical Activity Dosage Intervention to Impact Adiposity" presented at the inaugural meeting of the Salud America Program, Robert Wood Johnson Foundation, San Antonio, Texas. 2009.

Dean, S. L., **Paloski, W. H.**, Taylor, L. C., Vanya, R. D., Feiveson, A. H., and Wood, S. J. "Evaluation of Learning Associated with Multiple Exposures to Computerized Dynamic Posturography." To be presented at the 81<sup>st</sup> Annual Scientific Meeting of the Aerospace Medical Association, Phoenix, AZ. May 9-13, 2010.

Kaderka, J., Young, L. R. and **Paloski, W. H.** "A Critical Benefits Analysis of Artificial Gravity as a Microgravity Countermeasure." 60<sup>th</sup> International Astronautical Congress, Daejeon, South Korea. October 2009.

Ivkovic, V., Garcia F., **Paloski, W.** "Sequential Cortical Activation In Response To Stability

Threatening Postural Perturbations: Neurocognitive Strategies For Balance" placed third at the National Center for Human Performance's 4<sup>th</sup> annual conference in Houston, Texas. November 2009.

Lam, E. T.C. and **Pearson, D. W.** "Preference of Promotional Strategies and Their Relationship with Game Attendance." American Alliance for Health, Physical Education, Recreation and Dance. Indianapolis, IN. 2010, March.

**Pearson, D. W.** and Lam, E. T. C. "Film Analysis as an Integrated Part of Sport Sociology Courses." American Alliance for Health, Physical Education, Recreation and Dance. Indianapolis, IN. March 2010.

**Pearson, D. W.**, Lam, E. T. C., Salazar, M. "Bayou City Sports Post-Hurricane Ike." North American Society for the Sociology of Sport, Ottawa, Ontario, Canada. November 2009.

Harrison, C. A. and **Pearson, D. W.** "The Kick and Pump High Intensity Interval Training Workout." Texas Association for Health, Physical Education, Recreation and Dance, Arlington, Texas. December 2009.

**Pearson, D.** and **Treviño, R.** "Applied Sport Management and the Need for Collaborative Professional Involvement." TAHPERD's 86th Annual Convention: Arlington, Texas. 2009.

Strohacker, K., **Simpson, R. J.**, Carpenter, K. C, Breslin, W., **McFarlin, B. K.** "Excessive Weight Gain from High- and Low-Fat Diets Alters Blood Monocyte TLR4 Expression in Mice" in Tübingen, Germany at the 9th Symposium of the International Society of Exercise and Immunology (ISEI). September 2009.

**Simpson, R. J.**, Bartlett, D. B., Spielmann, G., **McFarlin, B. K.** "Viral-Specific T-cells are Mobilized into the Peripheral Blood in Response to Acute Aerobic Exercise in Humans" in Tübingen, Germany at the 9th Symposium of the International Society of Exercise and Immunology (ISEI). September 2009.

Bigley, J. A., Spielmann, G., Rector, J., **Simpson, R. J.** "The Impact of Latent CMV Infection on NK-cell Mobilization and Expression

of Inhibitory Receptors in Response to Acute Exercise." International Journal of Exercise Science: Conference Abstract Submissions. 2(2), Article 6. February 2010

Spielmann, G., Johnstone, C.A., **Simpson, R. J.**, **McFarlin, B. K.**, and Foreyt, J. P. "No Impact of CMV or EBV Seropositivity on the Frequency of Highly Differentiated T-cells in Mexican-American Adolescents." TACSM Annual Meeting, University of Houston. February 2010.

Rector, J. L., Spielmann, G., Bigley, J. A., **Simpson, R. J.** "The Impact of Latent Herpes Virus Infections on the Mobilization of Recent Thymic Emigrants and Extrathymic T-cells in Response to Acute Aerobic Exercise in Man." International Journal of Exercise Science: Conference Abstract Submissions. 2(2), Article 7. February 2010.

**Smith, D.W.**, Lee, J., Townsley, N., Shields, K., and Jordan-Wyatt, T. "School Health Leadership: Data Driven Findings from Multi-Year Interventions Aimed at Improving Practice." Proceedings of the American School Health Association's 83rd Annual American School Health Association Conference, Denver, Co. October 2009.

Deo, M., Ivkovic, V., Sharma, P., LeClair, N., Krouskop, T., **Thrasher, T. A.** "Reachable Workspace in Upper Limb Amputees." National Center for Human Performance Annual Meeting, Houston, Texas. November 5-6, 2009.

Mathew, S., Ward, J., Bartlett, D., Spielmann, G., **Thrasher, T. A.** "Comparison of Strength Changes in Women On and Off Oral Contraceptives Relative to the Menstrual Cycle." National Center for Human Performance Annual Meeting, Houston, Texas. Winner: First Place in Student Poster Competition. November 5-6, 2009.

Mathew, S. and **Thrasher, T. A.** "Comparison of Strength Changes in Females On and Off Oral Contraceptives Relative to the Menstrual Cycle." University of Houston, Undergraduate Research Day, Houston, Texas. October 1, 2009.

Pillai, A. and **Thrasher, T. A.** "Evaluating the Effects of Various Load-Positioning Methods

on Gait Stability During the Walk-to-Run Transition." University of Houston, Undergraduate Research Day, Houston, Texas. October 1, 2009.

**Thrasher, T. A.** "Functional Electrical Stimulation for Motor Recovery in Spinal Cord Injury." Invited lecture for Mission Connect (project of the TIRR Foundation) Scientific Meeting, Houston, Texas. November 13, 2009.

Ward, J. and **Thrasher, T. A.** "The Muscular Endurance and Strength Benefits of 13 weeks of Functional Electrical Stimulation Cycling After Spinal Cord Injury." National Center for Human Performance Annual Meeting, Houston, Texas. November 5-6, 2009.

Ward, J., Bartlett, D., Spielmann, G., Mathew, S., **Thrasher, A.** "Comparison of Strength Changes in Women On and Off Birth Control Pills Undergoing Electric Muscle Stimulation" placed first at the National Center for Human Performance's 4<sup>th</sup> annual conference. November 2009.

Ward, J., Fisher, S., **Thrasher T. A.** "The Muscular Endurance and Strength Benefits of 13 Weeks of Functional Electrical Stimulation Cycling After Spinal Cord Injury." The 13<sup>th</sup> Annual Meeting of the North American Neuromodulation Society, Las Vegas, NV. December 3-6, 2009.

Wilson P. L., **O'Connor D. P.**, Rhode P. C., **Lee, R. E.** "Stress and Depression Differentially Predict Binge Eating in African American and Hispanic/Latina Women." Obesity. 2009;17(Suppl 2):S163.

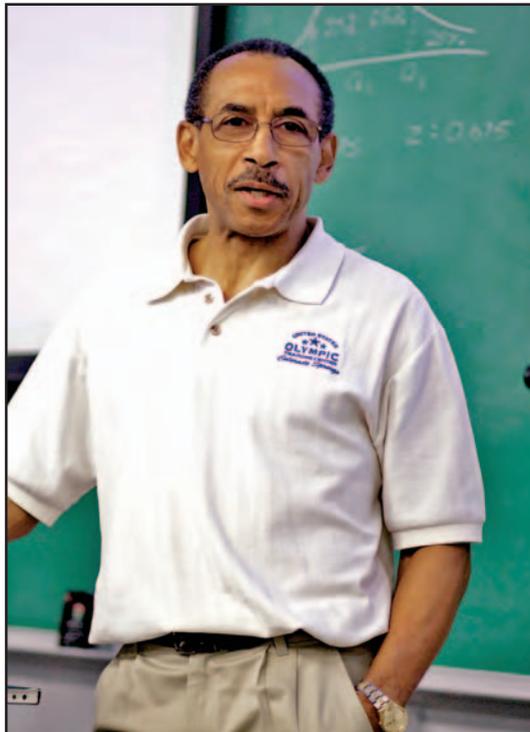


Dr. Adam Thrasher

## Professional Presentations

### HHP Faculty Research Day April 7, 2010

- **Clarke, M. S. F.** "OsteoSpheres: Creating Human Bone in Culture."
- **Layne, C. S.** "Using Somatosensory Input to Influence Postural Sway"
- **Liu, J.** "Effect of Obesity on Human Dynamic Walking Stability—a Pilot Study"
- **Lowder, T.** "Exercise Enhances Regulatory T-cell Function in a Non-TGF-beta-dependent Manner."
- **McFarlin, B. K.** "The Role of Monocytes in Weight Gain Associated Disease."
- **O'Connor D. P.** "Ethnicity and Evaluating Change in Abdominal Fat in Young Adults: The TIGER Study."
- **Pearson, D. W.** "Bayou City Sports Post-hurricane Ike: A Cursory Review."
- **Simpson, R. J.** "Using Exercise to Negate the Detrimental Effects of Persistent Viral Infections."
- **Thrasher, T. A.** "Muscle Activation Patterns in Pathological Gait."



Dr. Demetrius Pearson

## Funding

**Alastuey, L., Simpson, R. J., McFarlin, B. K.** Expanding and Improving Existing Online Undergraduate and Graduate Courses in HHP. 2010-2011 UH Faculty Development Initiative Program (FDIP B Program). \$18,100.

**Layne, C. S.** Enhanced Development of the Office of Scientific Data Review and Dissemination-Task Order 18. Four years (Direct: \$455,500; Indirect: \$222,750).

**Lee, R. E.** (PI) Neighborhood Environment and Physical Activity of Hispanic-American Preschoolers. National Institutes of Health (NICHD) R21. Total UH subaward: \$45,000 (DC: \$30,000; IDC \$15,000) for 1/01/2010-12/31/2011.

**Lee, R. E.** (PI), **Olvera, N.** Science and Community: Ending Obesity Improving Health. National Institutes of Health (NICHD) U13. Total costs: \$90,000 for 9/1/2009-8/31/2012.

**Lee, R. E.** (PI) Social Contextual and Environmental Predictors of PA in Sedentary Minority Adults. National Institutes of Health (NINR) R01. Total UH subaward: \$365,670 (Direct: \$245,416; Indirect: \$120,254) for 10/2010-9/2015.

**Lee, R. E.** (PI) Neighborhood Environment and Physical Activity of Hispanic-American Preschoolers. National Institutes of Health (NICHD) R21. Total UH subaward: \$45,000 (Direct: \$30,000; Indirect: \$15,000) for 1/01/2010-12/31/2011.

**Liu, J.** Effect of a New Perturbation Training Program in Fall Prevention. UH New Faculty Research Award. \$6,000.

**Liu, J.** Develop an Ambulatory Measurement System to Assess Risk of Occupational Slips and Falls. Sub-award from NIOSH R01 (principal institution: Virginia Tech). \$25,854.

**Lowder, T.** Does Exercise Training in Mice Prior to Pregnancy Reduce Airway Hyperresponsiveness in the OVA-treated Pups? UH grant. \$6,000.

**Lowder, T.** Travel grant from American Association of Immunologists (AAI) to attend the AAI international meeting in Baltimore, MD. May 2010.

**McFarlin, B. K.** (PI: 90%), **Lowder, T. W.** (Co-I, 5%), **Simpson, R. J.** (Co-I, 5%) By What Immune Pathway Does Wellmune WGP Supplementation Protect the Body from the Stress of Exercise in a Hot, Humid Environment? Biothera: The Immune Company. (Direct: \$126,293; IDC: \$20,011; 25%). June 1, 2010-May 31, 2011.

**Olvera, N.** (PI), **Smith, D. W.** (Co-I), **Liu, J.** (CoPI). From Mothers to Daughters: A Physical Activity Dosage Intervention to Impact Adiposity. Submitted to the Robert Wood Johnson Foundation, Salud America Program. Total budget: \$61,600 (IDC: \$8,400).

**Olvera, N.** BOUNCE summer program. Source: Warfab, Inc. Total Budget: \$5,000 (IDC: \$0).

EADS Astrium Corp (Germany, PI), **Paloski, W. H.** (Consultant) Accommodation of a Short-Arm Human Centrifuge in a Spacecraft. Source: European Space Agency, Performance Period: 10/2009-9/2010, UH Budget: \$3,000.

**Pearson, D. W.** UH Provost Travel Award to present two research papers at the American Alliance for Health, Physical Education, Recreation and Dance Annual Convention. December 3, 2009. March 2010.

**Pearson, D. W.** (PI), **Lam, E. T. C.** (CO-I) Small Grants Program (SGP), UH Division of Research. Faith-based Physical Activity and Sport Program Initiatives: The Reemergence of Muscular Christianity or Alternative Obesity Interventions. Proposal submitted November 2, 2009. Awarded: December 2, 2009. Amount Awarded: \$3000.00. Funding Period: December 2, 2009 - August 31, 2010.

**Simpson, R. J.** (PI), **Paloski, W. H.**, **McFarlin B. K.** (Co-Is) Development of a Submaximal Cycling Protocol to Identify the Ventilatory Threshold in Astronauts: Application to Monitor Changes in Aerobic Fitness Following Long-Duration Spaceflight Missions. Source: NASA Human Research Program (directed), Performance Period: TBD, UH Budget: \$27,060 (IDC: \$8,930).

**Simpson, R. J.** Glucose Transporter Expression and Glucose Uptake in Blood Monocyte Subtypes: a Relationship with Glucose Tolerance? University of Houston Small Grants Program, Performance Period: TBD, Total Budget: \$3,000 (IDC: \$0).

**Smith, D. W.** (PI) Tobacco Use Cessation Among Youth and Young Adults. Department of State Health Services. Total Budget: \$49,999 (IDC: \$4,999). September 2009-August 2010.

**Yi, J.** (PI: 100%) Effectiveness of a Cervical Cancer Educational Program for Vietnamese American Women. Cancer Prevention and Research Institute of Texas (CPRIT) Total Budget: \$272,253 (IDC: \$0).

## Achievements and Milestones

**Alastuey, L.** Named 2009-2010 Southern District American Alliance for Health, Physical Education, Recreation and Dance, College/University Health Educator of the Year Award.

**Alastuey, L.** Item Writer, Texas Teacher Licensure (TExES) Exam, Health Education K-12, Testing Services (ETS), Princeton, New Jersey. 2010.

**Bloom, J.** Named the 2010 David K. Brace Award recipient, which is the highest honor bestowed by the Texas Association for Health, Physical Education, Recreation and Dance (TAHPERD).

**Bloom, J. A.** Lead the TAHPERD Summer Conference and their Tour de TAHPERD Mission Ride in San Antonio, TX. The inaugural "rolling classroom" for teaching Texas history to middle and secondary school teachers. August 2009.

**Bloom, J. A.** Re-appointed Physical Education Editor for the TAHPERD Journal. September 2009.

**Bloom, J. A.** Lead the TAHPERD Tour de TAHPERD bike ride in Arlington, TX. December 2009.

## Achievements and Milestones



*Dr. Bloom with some of his students*

**Bloom, J.** Recipient of 2009-2010 UH Teaching Career Excellence Award.

**Bloom, J. A.** Elected Chair of the College of Education Undergraduate Studies Committee. October 2009.

**Bloom, J. A.** Re-appointed to the UH Undergraduate Admissions Review Committee. October 2009.

**Gingiss, P. M., Boerm M.** "Influence of Funding Cuts on Texas School Tobacco Programs." *Journal of School Health*. 79(8):361-368. Manuscript selected as feature article by the American School Health Association editors to promote journal subscriptions nationally and internationally. 2009.

**Layne, C. S.** Consultant for the NASA workshop "Development and Assessment of Countermeasures in Head Up Tilt Bed Rest Space Flight Analog." December 2009.

**Lee, R. E.** Invited Steering Committee member of the Texas Cardiovascular Disease and Stroke Partnership. 2009.

**Lee, R. E.** Invited attendee at the Inaugural Salud America! Scientific Summit. September 2009.

**Lee, R. E.** Appointed to Editorial Board of *Health Psychology*. 2010.

**Liu, J.** Hosted the visit of Explorer Post, a local high school organization, to the National Center for Human Performance in the Texas Medical Center. February 2010.

**Lowder, T. W.** Was named Vice Chairman of the Institutional Animal Care and Use Committee (IACUC).

**Lowder, T. W., McFarlin, B. K., Simpson, R. J.** Have been appointed section editors for the *International Journal of Exercise Science*. November 2009.

**McFarlin, B. K.** Invited panelist on a webinar hosted by *Genetic Engineering & Biotechnology News*, titled "Latest Applications of Flow Cytometry-Broadening the Adoption." October 2009.

**McFarlin, B. K.** Selected to serve on a special review panel for the National Institutes of Health (NIH). October 2009.

**McFarlin, B. K.** Served on the UH Faculty Senate's Faculty Forum concerning the topic of "Developing a Center for Teaching Excellence." November 2009.

**McFarlin, B. K.** Has been appointed to the position of interim Co-Editor-in-Chief for the *International Journal of Exercise Science*.

**McFarlin, B. K.** Was inducted as a Fellow of the American College of Sports Medicine (FACSM). June 2010.

**McFarlin, B.K.** COE Faculty Research Mentoring Award. 2010.

**McFarlin, B.K.** COE Teaching Excellence Award Full/Associate Professor Level. 2010.

**O'Connor, D. P.** COE Faculty Research Excellence Award recipient. 2010.

**O'Connor, D. P.** Charles S. Neer, II, M. D. Award for Outstanding Clinical Science Research, American Shoulder and Elbow Surgeons. March 13, 2010.

**Paloski, W. H.** Promoted to full member of the International Academy of Astronautics. October 2009.

**Paloski, W. H.** HHP's application to host (jointly with NASA, UTMB, USRA, NSBRI, and Wyle) the 18th International Academy of Astronautics (IAA) Humans in Space Symposium in Houston in 2011 was accepted by the IAA Board of Trustees.

**Paloski, W. H.** Invited to be a member of the THESEUS project (Towards Human Exploration of Space: a European Strategy), which is coordinated by the European Science Foundation (ESF).

**Simpson, R. J.** Appointed as a grant reviewer for the Chief Scientist office (CSO), Scotland, UK.

**Simpson, R. J.** Invited by the editor of *Exercise and Sports Sciences Reviews* (ACSM Review Journal) to submit an article entitled: "Accumulating Senescent T-cells with Age and Latent Viral Infections: Making Space with Physical Exercise." 2010.

**Simpson, R. J.** Invited by the Nutritional Society to contribute a chapter to their new textbook titled *Sports Nutrition*. The chapter titled "Immunity" is written with Dr. Glen Davison (University of Aberystwyth, Wales, UK). The book will be released to mark the 55<sup>th</sup> anniversary of the Nutritional Society.

**Smith, D. W.** Co-evaluator for the Paso del Norte Health Foundation Begin at Birth Initiative, a \$6,900,000 community-based effort to improve the health and welfare of children aged 0-3.

**Smith, D. W.** Co-evaluator for the Paso del Norte Health Foundation Smoke free Paso del Norte Initiative, a \$5,000,000 health promotion effort to establish a smoke free region, including El Paso, Texas; Juarez, Chihuahua and Las Cruces, New Mexico.

**Stephenson, L.** Received NASA's prestigious Silver Snoopy award given to no more than one percent of eligible recipients among employees and contractors for outstanding achievements related to human flight safety or mission success. It is given for professionalism, dedication and outstanding support that has greatly enhanced space flight safety and mission success, and is given personally by NASA astronauts, signifying their own recognition of excellence.

**Thrasher, T. A.** Appointed to scientific study group for U.S. Department of Education (NI-DDR)-Switzer Fellowship applications.

**Treviño, R. A.** Chief Referee for the Redlands Bicycle Classic Women's Professional Stage Race in Redlands, CA.

**Treviño, R. A.** Chief Referee for USA Cycling's Collegiate Road National Championships in Madison, WI.

**Treviño, R. A.** Chief Referee for the Fitchburg-Longsjo Classic Professional Men's Stage Race in Fitchburg, MA.

**Treviño, R. A.** Starter for USA Cycling's Junior Track National Championships in Trexler-town, PA.

## Publicity

**Alastuey, L.** Featured in *UH Magazine* for being named 2009-2010 Southern District American Alliance for Health, Physical Education, Recreation and Dance, College/University Health Educator of the Year Award. Spring 2010.

**Alastuey, L.** Highlighted in UH TODAY for being named University Health Educator of the Year by the Texas Association of Health, Physical Education, Recreation and Dance (TAHPERD). November 2009.

**Bloom, J.** Featured in the UH CampusNews for receiving the 2009-2010 UH Teaching Career Excellence Award.

**Clarke, M. S. F.** "UH Moment: Bone Research" video report. November 2009.

**Clarke, M. S. F.** "Applications to Long-term Space Flight, Terrestrial Challenges" article about the NASA-funded research that has produced the growth of real human bone was published in the UH CampusNews, UH Today, the UH Magazine and in many national and international news outlets.

**Clarke, M. S. F.** Quoted in "UH Nears Deadline to Cut Budget \$16 million" front page article in The Houston Chronicle. January 2010.

**Clarke, M. S. F.** Featured in a Houston Business Journal article, "Startup OsteoSphere Formed to Develop Laboratory Discovery." January 2010.

**Clarke, M. S. F.** Quoted in "Reduction Plan Raises Concerns, Faculty Senate Encouraged to Give Input on Budget Cut" article in UH Daily Cougar. February 18, 2010.

**Clarke, M. S. F.** Quoted in The Houston Chronicle's article "UH's Strategy in Big 12 Quest."

**Davis, Dwight** ('00). Highlighted in the UH CampusNews for receiving the 2010 Jobs for America's Graduates' (JAG) National Workforce Development Leadership Award. Davis is chair of the New Hampshire Workforce Opportunity Youth Council.

**Gill, D.** UH CampusNews' Applause section highlighted Gill being chosen student of the week by Houston's KPRC Channel 2. October 2009.

**Health and Human Performance Department.** "From Moms to Metabolism, New Research on Obesity Epidemic Presented at UH Symposium" featured on UH's home page. April 2010.

**Health and Human Performance Department.** "HHP Department Joining CLASS" article in the UH Daily Cougar. April 27, 2010.

**Health and Human Performance Department.** UH President Khator cited the national ranking of HHP programs in her editorial published in The Houston Chronicle titled "UH Belongs in a Top BCS Conference." June 2010.

**Health and Human Performance Department.** The national ranking of HHP faculty as Number 1 by Academic Analytics' Faculty Scholarly Productivity index was listed in the "By the Numbers" section of The University of Houston Magazine. Summer 2010.

**Hindi, M.** Featured in "UH Student Just Wants to Make a Difference" article on two Chron.com neighborhood sections: <http://tiny.cc/HHP-Hindi-UEE> and <http://tiny.cc/HHP-Hindi-FB>; and on Topix at <http://tiny.cc/HHP-Hindi-Topix>. April and May 2010.

**Ivkovic, V.** "fNIRS Study" article in the National Center for Human Performance (NCHP) Newsletter featured the study of how the brain function changes when people suffer brain injuries due to stroke or concussion.

**Jackson, A. S.** UH TODAY online for receiving the 2009 Texas Chapter of the American College of Sports Medicine's (TACSM) highest award for his outstanding contributions to exercise science and sports medicine. November 2009.

**Jackson, A. S.,** Sui, X., Hebert, J. R., Church, T. S. and Blair, S. N. "Role of Lifestyle and Aging on the Longitudinal Change in Cardio-respiratory Fitness" published in the Journal of American Medical Association's Archives of Internal Medicine. More than 200 news organizations published articles about the research. October 2009. [http://hhp.uh.edu/Currentevents/09\\_jackson.cfm](http://hhp.uh.edu/Currentevents/09_jackson.cfm).

**Knoblauch, M.** Doctoral research grant from the National Strength and Conditioning Association (NSCA) for \$9,795.00 for his dissertation on the "Effects of Hypercholesterolemia on Myofiber Membrane Wounding" was in the UH CampusNews Applause section. September 2009.

**Korman, S.** Featured in UH TODAY for winning the title of the National Dance Association 2008 K-12 National Dance Educator of the Year. September 2009.

**Layne, C. S.** Quoted in UH press release "SURF'S Up: Undergraduates Hone Research Skills in Summer Program" on the UH home page. July 6, 2010.

**Layne, C. S.** Featured in many news media outlets explaining and illustrating the innovative Wii Performance class in HHP. Links to the Wii class coverage may be found at [http://hhp.uh.edu/Currentevents/09\\_wii.cfm](http://hhp.uh.edu/Currentevents/09_wii.cfm).

- National Public Radio "All Things Considered" video and article. September 2009.
- Houston's FOX 26 Morning News segment. September 2009.
- Voice of America in China radio interview "Students are Also Fond of Playing Wii: Play Video Games to Take Credit." October 2009.
- Houston's KHOU Channel 11's "Great Day" segment "A Wii Workout." January 2010.

**Layne, C. S.** "Stage Set for Houston Ballet, UH to Pair for New Class" UH press release, UH TODAY and UH Moment. October 2009.

**Lee, R. E.** Quoted in UH news release "Opportunity Reception Begins New UH Research to Control and Reduce Obesity" about the Science and Community: Ending Obesity Improving Health project. July 6, 2010.

**Lee, R. E.** Envy Magazine declared the Texas Obesity Research Center as world-renowned for its research in combating obesity in Envy's "Big Boned: Do Something" article. October 2009.

**Lee, R. E.** Quoted in "Experts Engage in Heart Issues" in the UH Daily Cougar. February 12, 2010.

**Lee, R. E.** Quoted in "From Moms to Metabolism, New Research on Obesity Epidemic Symposium" on UH News and Events Web page. April 2010.

**Lee, R. E.** "From Moms to Metabolism, New Research on Obesity Epidemic Symposium" article on UH home page. April 2010.

**Lee, R. E.** Quoted and featured in "SALSA Study Adds a Latin Beat to Exercise" video and article on WKOW Channel 27 in Madison, WI and on WKOW.com. April 2010.

**Lee, R. E.** Quoted and featured in "Salsa Study" video and article on WTVQ-TV ABC 36 in Lexington, KY and on WTVQ.com. April 28, 2010.

**Lee, R. E.** Quoted and featured in "Getting In Shape With Salsa" video and article on WTJ and WeAreCentralPA.com. May 14, 2010.

**Lee, R. E.** Quoted and featured in "Want A Healthy Heart? Let's Salsa!" video and article on WFTX Fox 4 in Florida and on Fox4now.com. May 27, 2010.

**Liu, J.** Hosted the visit of Explorer Post, a local high school organization, to the NCHP and it was featured in the "Explorer Post Visit NCHP" article in the National Center for Human Performance Monthly Newsletter in the Texas Medical Center. February 2010.

**Lowder, T. W., McFarlin, B. K., Simpson, R. J.** Highlighted in the UH Magazine for being appointed section leaders for the International Journal of Exercise Science.

**McFarlin, B. K.** Quoted in "Researchers Examine Extreme Temps and the Body's Immunity" article in NewsWise.com. February 5, 2010.

**McFarlin, B. K.** Quoted in "Researchers Examine Extreme Temps and the Body's Immunity" article in Innovations Report. February 2010.

**McFarlin, B. K.** Quoted in "Researchers Examine Extreme Temps and the Body's Immunity" featured on the home page of the UH Web site. February 2010.

**McFarlin, B. K.** Quoted in "Researchers Examine Extreme Temps and the Body's Immunity" in UH Today and CampusNews. February and March 2010.

**McFarlin, B. K.** Quoted in “Effects of Heat and Cold Illnesses Studied” article in the science news section of [UPI.com](http://www.upi.com). February 2010.

**McFarlin, B. K.** Quoted in “Environmental Chamber Used in Human Body Study” article in the [UH Daily Cougar](http://www.uh.edu). February 18, 2010.

**McFarlin, B. K.** Quoted in “University of Houston’s Heat Related Illness Research” featured on KIAH-TV. February 2010.

**McFarlin, B. K.** Featured in “Researchers Examine Extreme Temps and the Body’s Immunity” article in [The University of Houston Magazine](http://www.uh.edu). Summer 2010.

**McFarlin, B. K.** Quoted in “Articulate Software Helps College Students Receive Higher Grades According to University of Houston Study” article about the academic benefits of hybrid classes compared to the traditional format on [Hao-Odnla.com](http://hao-odnla.com). March 2010.

**McFarlin, B. K., Strohacker, K. A., Kueht, M. L.** “Pomegranate Seed Oil May Prevent Diabetes: Study” article discussed the HHP research online at [NUTRAingredients.com](http://www.nutraingredients.com), France. August 2009.

**McFarlin, B. K.** [UH CampusNews](http://www.uh.edu) for being selected to serve on a special review panel for the National Institutes of Health (NIH). November-December 2009.

**McFarlin, B. K.** [The Houston Chronicle](http://www.thehoustonchronicle.com) article “Experts: Aussie Workout Idea Not That Hot.” November 2009.

**McFarlin, B. K.** Houston’s KHOU Channel 11 news featured the environmental chamber’s research in an article and video titled “U of H to Study Link between Exercise and Heat-related Illnesses.” June 2010.

**O’Connor, D. P.** Featured in UH news release “Researchers Urge Caution on Test for High School Athletes.” June 29, 2010.

**O’Connor, D. P.** “Researchers Urge Caution on Test for High School Athletes” article published online by [HealthCanal.com](http://www.healthcanal.com). June 30, 2010.

**O’Connor, D. P.** “Researchers Urge Caution on Test for High School Athletes” article pub-

lished in UH Top Education Stories. June 30, 2010.

**O’Connor, D. P.** “Parents Unreliable in Reporting Children’s Height, Weight” study was featured in an article in [American College of Sports Medicine \(ACSM\)](http://www.americancollegeofsportsmedicine.com). June 2010.

**O’Connor, D. P.** UH news release “Researchers Urge Caution on Test for High School Athletes” online at [UH Today](http://www.uh.edu). June 29, 2010.

**O’Connor, D. P.** UH news release “Researchers Urge Caution on Test for High School Athletes” in UH Headlines digest. July 6, 2010.

**O’Connor, D. P.** UH [CampusNews](http://www.uh.edu); presided as president of the Southwest Athletic Trainers’ Association at their 55<sup>th</sup> Annual Meeting and Clinical Symposium in Arlington, TX.

**O’Connor, D. P.** “As Prison System Tries to Shape Up, So Do the Guards: Physical Testing Mandated After Escapes, Smuggling Troubles” article by Allan Turner. [The Houston Chronicle](http://www.thehoustonchronicle.com) (Metropolitan section). April 18, 2010.

**Olvera, N., Bush J.A., Sharma, S. V., Knox B. B., Scherer, R. L., Butte, N. F.** “BOUNCE: A Community-Based Mother-Daughter Healthy Lifestyle Intervention for Low-Income Latino Families” was featured in [PubMed.com](http://pubmed.com). February 18, 2010.

**Olvera, N.** Houston’s KHOU Channel 11 News featured a segment on the BOUNCE program and its goals of reducing obesity in preadolescent, minority girls.

**Olvera, N. (PI), Smith, D., Liu, J., Leung, P.** (Co-PIs) Applause section of [UH TODAY](http://www.uh.edu) online for a \$75,000 grant from Salud America!, a national program of the Robert Wood Johnson Foundation. November 2009.

**Patel, J.** Featured in UH press release on the UH home page: “SURF’S Up: Undergraduates Hone Research Skills in Summer Program” as a UH-SURF recipient working in the CNBR this summer. July 6, 2010.

**Pearson, D. W.** “Images of the Black Athlete” interview on “The Let’s Be Frank Show” on [blogtalkradio.com](http://www.blogtalkradio.com). March 8, 2010.

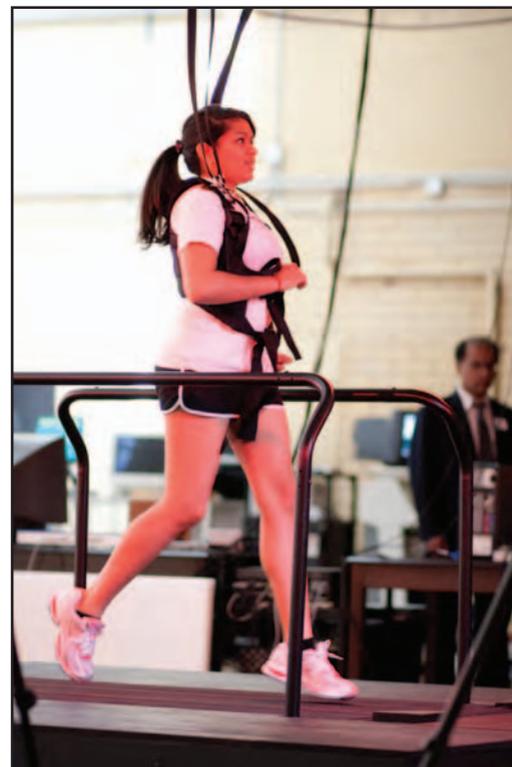
**Salim, S.** HHP student quoted in “Student’s Work Receives National Recognition” article in the [UH Daily Cougar](http://www.uh.edu). April 2, 2010.

**Sarraj, N.** Was Featured in “Student’s Work Receives National Recognition” article in the [UH Daily Cougar](http://www.uh.edu) because she was selected to exhibit her scientific research entitled “Moderate Treadmill Exercise Prevents Oxidative Stress-Induced Anxiety in Rats” on Capitol Hill as a part of the annual Posters on the Hill event. April 2, 2010.

**Siddiqi, S.** Selection as a 2009 Kaiser Family Foundation’s Barbara Jordan Health Policy Scholar was featured in [UH TODAY](http://www.uh.edu). November 2009.

**Strohacker, K.** Was listed in [UH TODAY](http://www.uh.edu) for receiving College of Education Graduate Student Research Award and for placing second in the Texas Chapter of the American College of Sports Medicine Student Manuscript Award Competition. November 2009.

**Vasen, N.** 2009 AAHE/AAHPERD Outstanding Health Education Major of the Year Award was highlighted by [UH TODAY](http://www.uh.edu) online. November 2009.



*UH-SURF recipient Jasmine Patel*

**Vasquez, R.** Featured in “Beating the Odds and Closing the Gap” article on [Chron.com](http://www.chron.com) in two neighborhood sections: <http://tiny.cc/HHP-Vasquez-UEE> and <http://tiny.cc/HHP-Vasquez-UA>; and on Topix: <http://tiny.cc/HHP-Vasquez-Topix>. May 2010

**Ward, J., Bartlett, D., Spielmann, G., Mathew, S., Thrasher, A.** “Comparison of Strength Changes in Women On and Off Birth Control Pills Undergoing Electric Muscle Stimulation” placed first at the National Center for Human Performance’s 4<sup>th</sup> annual conference; and was featured in the [NCHP Monthly Newsletter](http://www.nchp.org). November 2009.

**Ward, J.** “Functional Electrical Stimulation” article in the [National Center for Human Performance \(NCHP\) Newsletter](http://www.nchp.org) featured John’s study of how and when functional electrical stimulation (FES) can be used effectively to help persons with spinal cord injuries redevelop lower extremity muscle strength and exercise capacity. September 2009.

**Wii Performance Class (PEB 4197)** The “Wii Will Stay Healthy and Fit: New UH Class Incorporates Popular Video Game” UH press release was the first of more than 500 publications including [The Houston Chronicle](http://www.thehoustonchronicle.com) and [The Daily Cougar](http://www.dailycougar.com). “UH Fitness Courses Reach a Whole New Level.” [The Houston Chronicle](http://www.thehoustonchronicle.com). September 2009.

“Wii now part of classroom.” [The Daily Cougar](http://www.dailycougar.com). August 2009. Links to the Wii class coverage may be found at [http://hhp.uh.edu/Current-events/09\\_wii.cfm](http://hhp.uh.edu/Current-events/09_wii.cfm).

**Wilson, P. L.** UH [CampusNews](http://www.uh.edu) featured her appointment as editor of the [Nutrition Entrepreneurs Newsletter](http://www.nutritionentrepreneurs.com) and for being named director of awards and networking by Nutrition Entrepreneurs. September 2009.

**Yi, J.** Was highlighted in [The University of Houston Magazine](http://www.theuniversityofhouston.com) for receiving a \$300,000 grant by the Cancer Prevention and Research Institute of Texas (CPRIT) to study the effectiveness of a cervical cancer educational program for Vietnamese American women with limited English proficiency. Summer 2010.

## Student Achievements

**Agha, N. H., Potucek, J., Strohacker, K., Breslin, W. L.,** McFarlin, B. K. "Corticosterone Levels in Sedentary, Wheel, and Treadmill Acclimated Mice following a Bout of Forced Treadmill Running," International Journal of Exercise Science: Conference Abstract Submissions. 2(2), Article 40. February 2010.

**Arellano, C. J.,** Layne, C. S., O'Connor, D. P., **Scott-Pandorf, M.,** Kurz, M. J. "Does Load Carrying Influence Sagittal Plane Locomotive Stability?" Medicine & Science in Sports & Exercise. 41(3):620-627, March 2009.

**Barron, R.** Accepted into the UH Dietetic Internship program. 2010.

**Bigley, J. A., Spielmann, G., Rector, J.,** Simpson, R. J. "The Impact of Latent CMV Infection on NK-cell Mobilization and Expression of Inhibitory Receptors in Response to Acute Exercise." International Journal of Exercise Science: Conference Abstract Submissions. 2(2), Article 6. February 2010.

**Breslin, W. L., Strohacker, K., Agha, N., Carpenter, K. C.,** Lowder, T. W., McFarlin, B. K. "Exercise as a Prevention and Countermeasure to Diet-Induced Weight Gain." International Journal of Exercise Science: Conference Abstract Submissions. 2(2), Article 36. February 2010.

McFarlin, B. K., **Breslin, W. L., Carpenter, K. C., Strohacker, K.,** Weintraub, R. J. "Leveraging Online Learning Resources to Teach Core Research Skills to Undergraduates at a Diverse Research University." International Journal of Exercise Science. 3(2), Article 1.

**Breslin, W. L., Strohacker, K., Carpenter, K. C.,** Esposito, L., McFarlin, B. K. "Weight Gain in Response to High-fat Feeding in CD-1 Male Mice." Lab Animal. [Epub ahead of print]. April 28, 2010.

**Carpenter, K. C., Strohacker, K., Breslin, W. L., Agha, N.,** Lowder, T. W., Simpson, R. J., McFarlin, B. K. "The Effects of Exercise and a Low-Fat Diet on Monocyte TLR Expression and Disease Risk in Mice," International Journal of Exercise Science: Conference Abstract Submissions. 2(2), Article 38. February 2010.

**Cooke, Q.** Psychology/kinesiology major and recipient of AAIS Scholarship-Kappa Alpha Psi Scholar (\$1,000). March 2010.

**Dettmer, M.** Was awarded the Margie Sterr Movement Science Scholarship, and the Dr. Mary Lou and Eddie Hernandez Scholarship from the College of Education. 2010.

**Dettmer, M.,** Layne, C. S., O'Connor, D. P., **Pourmoghaddam, A.** "Influence of Tendon Vibration on the Center of Pressure Sway Regularity During a Postural Learning Task." Annual meeting of Society of Neuroscience, Chicago. 2009.

**Eke, P.** Received doctoral program acceptance letters from the University of Georgia and Texas A&M University in Sport Management.

**Everett, M.,** DeWitt, J., O'Connor D. P. "The Effect of Gravity on Posture During Running and Sprinting." Aviation, Space and Environmental Medicine. 80:882-886. 2009.

**Gill, D.,** Lee R.E. (Mentor) Awarded Provost's Undergraduate Research Scholarship. Fall 2009.

**Gill, D.** Was named student of the week by Houston's KPRC channel 2. October 2009.

**Guillaume, S.,** Craig, A., Johnstone, Simpson, R. J., McFarlin, B. K., Foreyt, J. P. "No Impact of CMV or EBV Seropositivity on the Frequency of Highly Differentiated T-cells in Mexican-American Adolescents." International Journal of Exercise Science: Conference Abstract Submissions. 2(2), Article 39. February 2010.

**Ivkovic, V., Garcia F.,** Paloski, W. "Sequential Cortical Activation In Response To Stability Threatening Postural Perturbations: Neurocognitive Strategies For Balance" placed third at the National Center for Human Performance's 4<sup>th</sup> annual conference in Houston. November 2009.

**Ivkovic, V.** Was awarded the Velma Glass Chambers Scholarship and the Faith Gladstone Marshall Endowment Scholarship from the College of Education. 2010.

Deo, M., **Ivkovic, V., Sharma, .P,** LeClair, N., Krouskop, T., Thrasher, T. A. "Reachable

Workspace in Upper Limb Amputees." National Center for Human Performance Annual Meeting, Houston, Texas. November 5-6, 2009.

**Klein, Y.** Awarded Undergraduate Research Fellowship (SURF). Total Budget: \$3500. Summer 2010.

**LaVoy, E. C. P.,** McFarlin B. K. "A Rapid, Flow Cytometry-Based Assay for the Determination of Natural Killer Cell Activity in Isolated Periphery Blood Mononuclear Cells," International Journal of Exercise Science: Conference Abstract Submissions: 2(2), Article 41. February 2010.

**Lopez, Y.** Alliances for Graduate Education and the Professoriate (AGEP) Research Program Summer 2010 Internship.

Lee, R. E., Mama, S. K., Banda, J. A., Bryant, L. G., **McAlexander, K. P.** "Physical Activity Opportunities in Low Socioeconomic Status Neighborhoods" Journal of Epidemiology and Community Health. 63(12):1021. December 2009.

Lee, R. E., Mama, S. K., **McAlexander, K. P.,** Adamus, H., Medina, A. V. "Neighborhood Factors and Physical Activity in African American Public Housing Residents." Presented at the Active Living Research Conference, San Diego, CA. 2010.

**McAlexander, K. M.,** Lee, R. E., Mama, S. K., Medina, A. V. "Measured and Self-Reported Neighborhood Characteristics and Physical Activity Among African American Women." International Journal of Exercise Science: Conference Abstract Submissions. 2(2), Article 31. February 2010.

Lee, R. E., Mama, S., **McAlexander, K.,** Medina, A., Adamus, H., Heinrich, K. "Relationship Between Urban Goods and Services and Dietary Habits in Public Housing Residents." Presented at the Urban Affairs Association's 40<sup>th</sup> Annual Conference, Sustaining Cities in a Time of Globalization: Social, Economic and Political Realities. Honolulu, HI. 2010.

**Medlock, J.** Kinesiology major and recipient of AAIS Scholarship-Pilgrim Rest Baptist Church (Dallas, TX) Scholars (\$1,000). March 2010.

**Montes, L.** Awarded Provost's Undergraduate Research Scholarship. April 2010.

**Ogbonmwan, J.** Chemistry major/education minor award recipient of *teachHouston* (\$5,000).

**Pourmoghaddam, A.,** O'Connor, D. P., Paloski, W. H., **Dettmer, M.,** Layne, C. S. "Sunergos a Clinical Index for Identifying Multiple Muscle Coactivation." Annual meeting of Society of Neuroscience, Chicago. 2009.

**Rector, J. L., Spielmann, G., Bigley, J. A.,** Simpson, R. J. "The Impact of Latent Herpes Virus Infections on the Mobilization of Recent Thymic Emigrants and Extrathymic T-cells in Response to Acute Aerobic Exercise in Man." International Journal of Exercise Science: Conference Abstract Submissions. 2(2), Article 7. February 2010

Pearson, D. W., Lam, E. T. C., **Salazar, M.** "Bayou City Sports Post-Hurricane Ike." North American Society for the Sociology of Sport, Ottawa, Ontario, Canada. November 2009.



Dr. Lee with J. Rector & G. Spielmann

## Student Achievements



*Kelley Strohacker and Katie Carpenter at the Graduate Students Research Day*

**Sarraj, N.** was selected to exhibit her scientific research entitled “Moderate Treadmill Exercise Prevents Oxidative Stress-Induced Anxiety in Rats” on Capitol Hill as a part of the annual Posters on the Hill event. April 2010.

**Scott-Pandorf, M.**, O'Connor, D. P., Layne, C. S., Kurz, M. J. “Walking in a Simulated Martian Gravity: Influence of the Portable Life Support System’s Design on Dynamic Stability.” Journal of Biomechanical Engineering. 131:091005. 2009.

**Siddiqi, S.** Was selected as a 2009 Kaiser Family Foundation’s Barbara Jordan Health Policy Scholar. November 2009.

**Siddiqi, S.** Medicine and Society Research Scholar recipient. Spring 2010.

**Siddiqi, S.** Awarded Provost’s Undergraduate Research Scholarship. Spring 2010.

Dempsey, K., Moore, C., **Siddiqi S.**, Thomas, S. “Access, Coverage, and Quality Issues for Minority Medicare Beneficiaries.” Minorities in Medicaid, Medicare and Federal HIV / AIDS Programs. Kaiser Family Foundation; Washington, D.C. 2009.

**Siddiqi, S.** and Lee, R. E. “Building Virtual Communities for Health Promotion: Emerging

Best Practices Through an Analysis of the International Health Challenge & Related Literature in Second Life.” In Mohammed S, Faidhi J, ed. Ubiquitous Health and Medical Informatics: Advancements in Web 2.0. Health 2.0 and Medicine 2.0. Hershey, PA: IGI.

**Spielmann, G.** Won Texas ACSM Student Research award (Master’s level).

**Spielmann, G.**, **Johnston, C. A.**, Simpson, R. J., McFarlin, B. K. Foreyt, J. P. “No Impact of CMV or EBV Seropositivity on the Frequency of Highly Differentiated T-cells in Mexican-American Adolescents.” International Journal of Exercise Science: Conference Abstract Submissions. 2(2), Article 39. February 2010.

**Spielmann, G.**, McFarlin, B. K., Smith, P. J. W., Guy, K., Simpson, R. J. “A Greater VO<sub>2</sub>max is Associated with a Reduced Frequency of Senescent T-lymphocytes in Middle-aged, But Not Younger Men.” in Tübingen, Germany at the 9th Symposium of the International Society of Exercise and Immunology (ISEI). September 2009.

Simpson, R. J., Bartlett, D. B., **Spielmann, G.**, McFarlin, B. K. “Viral-Specific T-cells are Mobilized into the Peripheral Blood in Response to Acute Aerobic Exercise in Humans” in

Tübingen, Germany at the 9th Symposium of the International Society of Exercise and Immunology (ISEI). September 2009.

**Strohacker, K.** Received the College of Education Graduate Student Research Award and placed second in the Texas Chapter of the American College of Sports Medicine Student Manuscript Award Competition. November 2009.

McFarlin, B.K., Johnston, C.A., Tyler, C., O’Connor, D.P., **Strohacker, K.A.**, Reeves, R., Jackson, A.S., Foreyt, J.P. “Relation Between Adiposity and Disease Risk Factors in Mexican American Children.” Journal of Pediatric Gastroenterology and Nutrition. 49(4):450-5. October 2009.

**Strohacker, K. S.**, McFarlin, B. K. “Obesity, Physical Inactivity and Weight Cycling: Implications for Chronic Inflammation?” Frontiers in Bioscience. 2008. Frontiers in Bioscience (Elite Ed) 1;2:98-104. January 2010.

**Strohacker, K.**, Simpson, R. J., **Carpenter, K. C.**, **Breslin, W.**, McFarlin, B. K. “Excessive Weight Gain from High- and Low-Fat Diets Alters Blood Monocyte TLR4 Expression in Mice” in Tübingen, Germany at the 9th Symposium of the International Society of Exercise and Immunology (ISEI). September 2009.

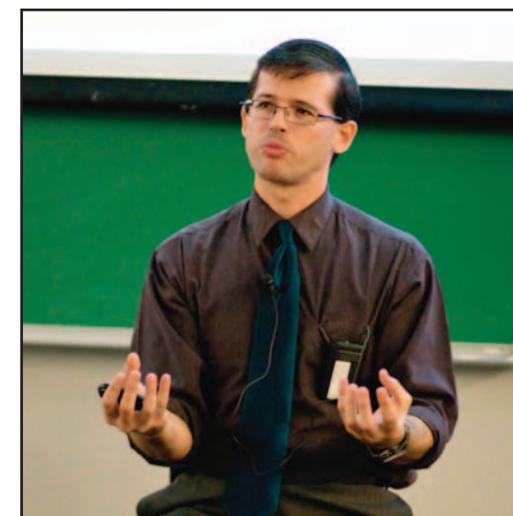
**Strohacker, K.** (PI), McFarlin, B. K. (Mentor). “Characterization of Monocyte Cytokine Production During a 4-week Weight Loss Intervention.” Funded by SDRG from the Texas ACSM. (Direct: \$800; IDC: \$0).

McFarlin, B. K., **Strohacker, K.**, **Breslin, W.**, **Carpenter, K. C.**, Simpson, R. J. “Body Weight Gain Alters Adipose Tissue Macrophage and Blood Monocyte TLR4, TLR2 and Leptin-R Expression in CD-1 Mice” in Tübingen, Germany at the 9th Symposium of the International Society of Exercise and Immunology (ISEI). September 2009.

**Strohacker, K.**, **Breslin, W. L.**, McFarlin, B. K. “Cell-Surface Receptor Expression on Monocytes of Young and Old Mice.” International Journal of Exercise Science: Conference Abstract Submissions. 2(2), Article 37. February 2010.

**Ward, J.**, **Bartlett, D.**, **Spielmann, G.**, **Mathew, S.**, Thrasher, T. A. “Comparison of Strength Changes in Women On and Off Birth Control Pills Undergoing Electric Muscle Stimulation” placed first at the National Center for Human Performance’s 4<sup>th</sup> annual conference. November 2009.

**Ward, J.**, **Sharma, P.**, **Fisher, S.**, Thrasher, T. A. “Identifying Central Patterns of Motor Control in Pathological Gait.” Annual meeting of the Texas Chapter of the American College of Sports Medicine (4<sup>th</sup> place Doctoral Student Poster Award), Houston, Texas. March 4-5, 2010.



*John Ward presenting at GSRD*

*HHP student presenters at Graduate Student Research Day, October 2009*

All GRSD abstracts were published in the International Journal of Exercise Science. 3(1).

- **Breslin, W. L.**, **Strohacker, K.**, McFarlin, B. K. “Daily Variation in Monocyte Subsets and Toll-like Receptor 2 and 4 Expression in Young and Old Mice,” International Journal of Exercise Science: Conference Abstract Submissions. 3(1), Article 6.
- **Carpenter, K. C.**, **Strohacker, K.**, **Breslin, W. L.**, Morrison, Mark R.; Potucek, Joseph; Agha, Nadia; Simpson, Richard J. PhD; Lowder, Thomas W. PhD; and McFarlin, Brian K. PhD (2009) “Voluntary Exercise Causes Greater Weight Loss in Obese Mice,” International Journal of Exercise Science: Conference Abstract Submissions. 3(1), Article 5.

## Student Achievements

- **Knoblauch, M.** "Sweat Collection for Bone Marker Monitoring: Phase 1-Protocol Development." No abstract submitted.
- **Ivkovic, V. Garcia, F.,** Paloski, W. H. "Cortical Activation Patterns During Postural Challenges." No abstract submitted.
- **Lopez, Ygnacio III, Mama, S.,** Wilson, P., Lee, R. E. "Body composition assessment methods: A systematic review and recommendations," *International Journal of Exercise Science*: Conference Abstract Submissions. 3(1), Article 9.
- **McAlexander, K. M.,** Banda, J. A., McAlexander, J. W., Lee, R. E. "Physical Activity Resource Attributes and Obesity in Low-Income African Americans Living in Public Housing," *International Journal of Exercise Science*: Conference Abstract Submissions. 3(1), Article 8.
- **Mama, S. K.,** Quill, B. E., Fernandez-Esquer, M. E., Reese-Smith, J. Y., Banda, J. A., Lee, R. E. "The Relationship between Body Image and Physical Activity in African American Women," *International Journal of Exercise Science*: Conference Abstract Submissions. 3(1), Article 1.



Scher Mama at a TORC conference

- **Spielmann, G.,** McFarlin, B. K., Smith, P. J. W., Guy, K., Simpson, R. J. "Regular Physical Activity is Correlated with a Reduced Frequency of Senescent T-lymphocytes in Middle-aged Men." *International Journal of Exercise Science*: Conference Abstract Submissions. 3(1), Article 4.
- **Strohacker, K., Breslin, W.L.,** McFarlin, B. K. "Age-Related Differences in Monocyte Toll-Like Receptor 2/4 and CD54 Expression in Mice," *International Journal of Exercise Science*: Conference Abstract Submissions. 3(1), Article 3. 2009.
- **Ward, J., Fisher, S.,** Thrasher, A. "The Muscular Benefits of 13 Weeks of Functional Electrical Stimulation Cycling After Spinal Cord Injury," *International Journal of Exercise Science*: Conference Abstract Submissions. 3(1), Article 2. 2009.
- **Wilson, P.,** Rhode, P. C., O'Connor, D. P., Lee, R. E. "Depression and Percent Body Fat Are Associated With Binge Eating In A Community Sample of African American and Hispanic Women," *International Journal of Exercise Science*: Conference Abstract Submissions. 3(1), Article 7.

### HHP student presenters at UH Undergraduate Student Research Day, October 2009

*\*Denotes recognized posters*

- **Aziz, Q.** and Liu, J. "Lower Extremity Reactive Kinematics to Simulated Trips and Slips."
- **Deepti, R.** and Liu, J. "Effect of Body Weight on Postural Stability, Gait Stability and Risk of Slipping."
- **\*Garcia, F., Ivkovic V.,** Paloski W. H. "Regional Cortical Response to Stability Threatening Postural Disturbances."
- **Mathew, S.** and Thrasher, T. A. "Comparison of Strength Changes in Females On and Off Oral Contraceptives Relative to the Menstrual Cycle."
- **Patel, J. S., Lopez, J. Y., Mitchell, T. M., Pourmoghaddam, A.,** Paloski, W. H., Layne, C. S. "Sunergos Index: Identifying Multiple Muscle Coactivation."

- **Pilla, A.** and Thrasher, T. A. "Evaluating the Effects of Various Load-Positioning Methods on Gait Stability During the Walk-to-Run Transition."
- **Raja, M.** and Lee, R. "Social Injustice and Obesity in African Americans."
- **Agha, N., Potucke, J.,** McFarlin, B. K. "Corticosterone and Leukocyte Levels of Sedentary, Wheel and Treadmill Acclimated Mice Following a Bout of Forced Exercise."
- **\*Williams, S., Kellam, S., Hinkson, L., Olvera, N.** "Let's BOUNCE: A Physical Activity Intervention."



Stewart Williams with his poster

### 2009–2010 Outstanding Graduate Student Award recipients, April 2010

- **Paulk, Stephanie:** Health
- **Hoffman, Benjamin:** Physical Education
- **Eke, Princess:** Sport and Fitness Administration



Dr. Tony Jackson and Whitney Breslin

### 2009–2010 Graduate Student Excellence Award recipients, April 2010

- **Dettmer, Marius:** Graduate Teaching Excellence
- **Ivkovic, Vladimir:** Overall Graduate Excellence
- **Breslin, Whitney:** Tony Jackson Research Excellence

### 2009–2010 Outstanding Undergraduate Student Award recipients, April 2010

- **Ochoa, Dominique:** Exercise Science
- **Taylor, Erik:** Health
- **Barron, Renée:** Nutrition
- **Francik, Melissa:** Nutrition
- **Ramirez, Adam:** Sport Administration
- **Groll, Amber:** Wellness and Fitness
- **Theobald, Jennifer:** Wellness and Fitness

### 2010 Summer Undergraduate Research Fellowship (SURF) recipients (\$3,500 stipend), April 2010

- **Ho, Angela** (Lee, R. E., mentor)
- **Klein, Yuval** (Simpson, R. J., mentor)
- **Norman, Jansiné** (Olvera, N., mentor)
- **Patel, Jasmine** (Layne, C. S., mentor)

## Alumni Achievements

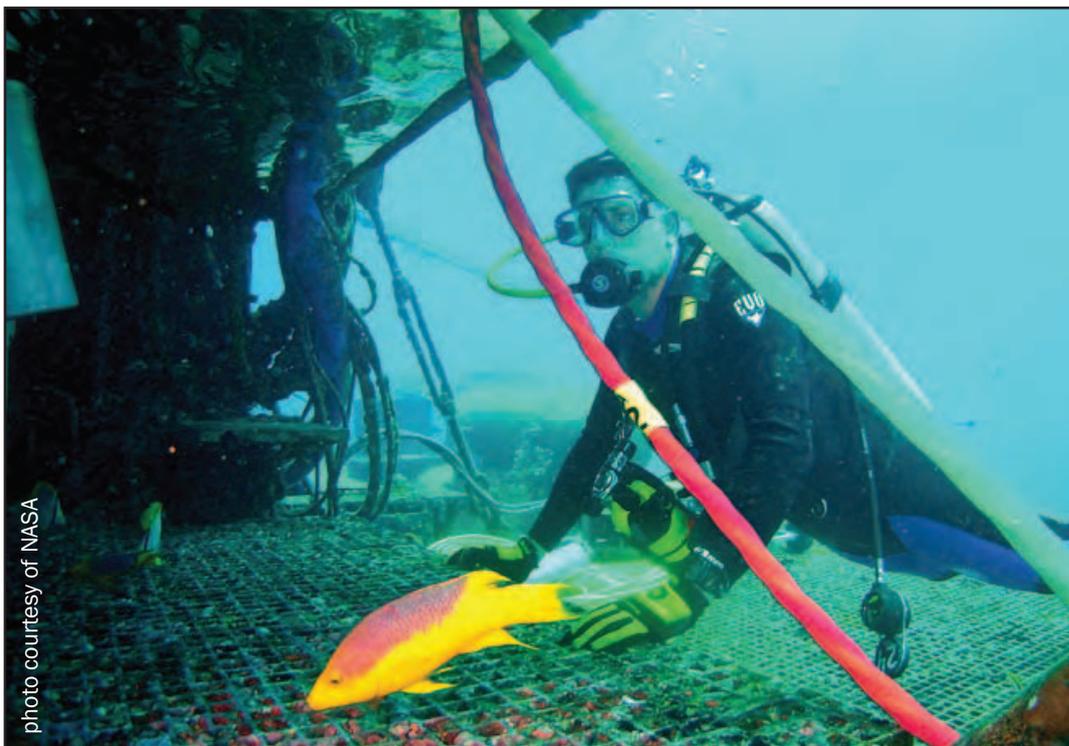


photo courtesy of NASA

*Dr. Andrew Abercromby on a dive*

**Abercromby, Andrew** (Ph.D. '06). Was selected as a NASA Extreme Environment Mission Operations (NEEMO-14) aquanaut to work in the Aquarius habitat, which is 60 ft underwater about 4 miles offshore from Key Largo, Florida. He is a project manager with NASA's EVA Physiology Systems and Performance Project (EPSP).

**Abercromby, Andrew** (Ph.D. '06). Received NASA's prestigious Silver Snoopy award given to no more than one percent of eligible recipients among employees and contractors for outstanding achievements related to human flight safety or mission success. It is given for professionalism, dedication and outstanding support that has greatly enhanced space flight safety and mission success, and is given personally by NASA astronauts, signifying their own recognition of excellence.

**Banda, Jorge A.** ('04, M.S. '07). Received the ASPH/CDC/PRC Minority Health Fellow Award (\$58,190 for 2 years) at the Norman Arnold School of Public Health, University of South Carolina, which provides a substantial annual stipend and additional funds for research and travel purposes for at least two years.

**Banda, Jorge A.** ('04, M.S. '07). Charles Coker Trustee Fellowship, University of South Carolina (\$3,500). 2010.

**Banda, Jorge A.** ('04, M.S. '07). Norman Arnold School of Public Health Travel Award, University of South Carolina (\$350). 2010.

**Banda, Jorge A.** ('04, M.S. '07). Built Environment Assessment Training Institute Scholarship, University of Pennsylvania (\$1,275). 2010.

Matthews, A. E., Pluto, D. M., Ogoussan, O., **Banda, Jorge A.** ('04, M.S. '07). "Active Travel to School: Policies and Attitudes of School and District Leaders." In: Journal of Physical Activity and Health. 7(S1):S13-S19. 2010.

**Banda, J. A.** ('04, M.S. '07). Hutto, B., Feeney, A., Pfeiffer, K. A., Mclver, K., LaMonte, M. J., Blair, S. N., Vena, J., Hooker, S. P. "Comparing Physical Activity Measures in a Diverse Group of Midlife and Older Adults." Medicine & Science in Sports & Exercise, 19 Mar 2010, Epub ahead of print [PMID: 20421836].

**Banda, J. A.** ('04, M.S. '07). Clouston, K., Sui, X., Hooker, S. P., Lee, C. D., Blair, S. N. "Protective Health Factors and Incident Hyperten-

sion in Men." American Journal of Hypertension. 23(6):599-605. June 2010.

Mama, S. K., Quill, B. E., Fernandez-Esquer, M. E., Reese-Smith, J. Y., **Banda, J. A.** ('04, M.S. '07), Lee, R.E. "Associations Between Body Image and Physical Activity in African American Women." Obesity. 17(Suppl 2):S162. 2009.

**Davis, Dwight** ('00). Was selected as the recipient of the 2010 Jobs for America's Graduates' (JAG) National Workforce Development Leadership Award. Davis is chair of the New Hampshire Workforce Opportunity Youth Council.

**Finkenberg, Mel E.** (Ed.D. '76) Was named interim dean of the James I. Perkins College of Education at Stephen F. Austin State University.

**Harrison, Carol A.** (M.Ed '04), Pearson, D. W. "The Kick and Pump High Intensity Interval Training Workout." Texas Association for Health, Physical Education, Recreation and Dance, Arlington, TX. December 2009.

**Harrison, Carol A.** (M.Ed '04) Recently hired as an Exercise Physiologist in the Department of Behavioral Science at M.D. Anderson.

**Houser, J. J.** (Ph. D. '07), O'Connor, D. P., Layne, C. S. "Enhanced Cutaneous Sensation Mitigates Vibration Induced Sway." Annual meeting of Society of Neuroscience, Chicago. 2009.

**Hughes, Daniel C.** ('99, Ph.D. '04) Listed in the UH Alumni Quarterly for winning a prestigious Mentored Career Development Award from the National Cancer Institute (NCI). Fall 2009.

**Joseph, Kevin** ('09) is a sports reporter on Houston's 1560 AM radio and has hosted the popular "1560 The Game" and "Cougars Tonight" radio shows. He is producer for "Gametime" on Saturdays and Sundays from 2-6 p.m. and you can follow him on Twitter @kj1560.

**Kargbo, Lesley** ('05) Recently accepted the position of doctor of physical therapy and is a certified strength and conditioning specialist at the Texas Orthopedic Hospital, Houston, Texas.

O'Connor, D. P., **Knoblauch, M. A.** "Electrocardiogram Testing During Athletic Preparation Physical Examinations." Journal of Athletic Training. 45(3):265-272. 2010.

**Lam, Eddie T. C.** (Ph.D. '00), Pearson, D. W. "Preference of Promotional Strategies and Their Relationship with Game Attendance." American Alliance for Health, Physical Education, Recreation and Dance. Indianapolis, IN. March 2010.

**Lam, Eddie T. C.** (Ph.D. '00) "Development of the Spectator Motivation Inventory." Professional Sports. American Alliance for Health, Physical Education, Recreation and Dance. Indianapolis, IN. March 2010.

Pearson, D. W., **Lam, Eddie T. C.** (Ph.D. '00) and Salazar, M. "Bayou City Sports Post-Hurricane Ike." North American Society for the Sociology of Sport, Ottawa, Ontario, Canada. November 2009.

Pearson, D. W. (PI) and **Lam, Eddie T. C.** (Ph.D. '00; CO-I) Small Grants Program (SGP), UH Division of Research. "Faith-based Physical Activity and Sport Program Initiatives: The Reemergence of Muscular Christianity or Alternative Obesity Interventions." Proposal submitted November 2, 2009. Awarded: December 2, 2009. Amount Awarded: \$3,000.00. Funding Period: December 2, 2009-August 31, 2010.

**Mayberry-Mosley, Shawn** (B.S. Sport Administration) MBA was recently appointed Marketing Manager for Pearland Parks & Recreation Department in Pearland, Texas.

**Riley, Patrick L.** ('07) Is now a doctor of physical therapy and is on staff at the University of Texas Medical Branch (UTMB) in Galveston, Texas.

**Rodriguez, Augusto X.** (PhD. '10) Is a lecturer in the Department of Kinesiology and Sports Medicine at Rice University in Houston, Texas.

**Rodriguez, Augusto X.** (PhD. '10) "A School-based Intervention for Diabetes Risk Reduction." The New England Journal of Medicine at www.nejm.org (10.1056/NEJMoa1001933). June 27, 2010.

**Dr. Charles Layne**, Professor and Chair

### *Faculty*

Dr. Lisa Alastuey, Clinical Assistant Professor

Dr. Joel Bloom, Associate Professor

Dr. Sharon Bode, Clinical Associate Professor

Dr. Mark S. F. Clarke, Associate Professor

Dr. Phyllis Gingiss, Professor

Dr. Rebecca Lee, Associate Professor

Dr. Jian Liu, Assistant Professor

Dr. Thomas Lowder, Assistant Professor

Dr. Kimberlee Matalon, Associate Professor

Dr. Brian McFarlin, Associate Professor

Ms. Laura Moore, Visiting Assistant Professor

Dr. Daniel O'Connor, Assistant Professor

Dr. Norma Olvera, Associate Professor

Dr. William Paloski, Professor

Dr. Demetrius Pearson, Associate Professor

Dr. Richard Simpson, Assistant Professor

Dr. Dennis Smith, Professor

Dr. Adam Thrasher, Assistant Professor

Dr. Rey Treviño, Clinical Assistant Professor

Dr. Jenny Yi, Associate Professor

**Ms. Randi Weintraub**, Program Director

### *Staff*

#### *Business Affairs*

Amanda Butcher, Office Assistant 1

Angie Vazquez, Financial Coordinator 1

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Todd Boutte, Admissions Counselor 2

Anna Duron, Academic Advisor 1

Alma Gonzalez, Academic Advisor 1

Erin Prevett-Major, Academic Advisor 2

Jessica Wheeler

#### *Technology and Media*

Jo'Nathan Gwynn, Technical Services Specialist 2

Martha Hayes, Communications Coordinator

Prashant Mutgekar, Programmer Analyst

Joy Wilson, Graphics Designer 2

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Writer/Editor, Martha Hayes

Graphic Designer/Photographer, Joy Wilson



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