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SUMMARY – LEADERSHIP IN BIOMEDICAL RESEARCH, PROGRAM DEVELOPMENT, & REGULATORY CAPACITIES

I have recently augmented my accomplished academic career with experience in biomedical clinical research. With my unique leadership training and background, I am quite capable of a wide range of administrative/science directorship, scientific/medical writing, and biomedical research merit/compliance roles. The CV's first pages highlight principal leadership experiences while more are revealed in the Research, Teaching, and Service sections. Please consider my value proposition carefully.

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EDUCATIONAL BACKGROUND

<u>Institution</u>	<u>Date</u>	<u>Degree Earned</u>
• University of Texas at Austin	2002	Ph.D. Kinesiology (Exercise Physiology) <i>Effects of overexpressed, constitutively-active glycogen synthase on whole body glucose tolerance and insulin-stimulated glucose metabolism. https://repositories.lib.utexas.edu/handle/2152/574</i>
• University of Arizona	1996	M.S. Exercise Science (Physiology) <i>GLUT-4 protein and citrate synthase activity in distally or proximally denervated rat soleus muscle https://journals.physiology.org/doi/epdf/10.1152/ajpregu.1997.272.1.R429</i>
• University of Arizona	1993	B.S. Nutritional Science (Dietetics)

RECENT CLINICAL RESEARCH DEVELOPMENT, REGULATORY, AND TEACHING EMPLOYMENT

San Antonio, Texas:

2021– 2022 Human Subjects Protection Scientist – Scientific Review Coordinator & Proposal Development Consultant, Venesco LLC Contractor for the Defense Health Agency's Department of Clinical Investigation at Brooke Army Medical Center on Joint Base San Antonio-Fort Sam Houston, San Antonio, Texas.

- I was responsible for vetting the scientific merit of all Air Force and Army human research study proposals for the southwest U.S. prior to the compliance and ethics (Human Research Protections Office/Institutional Review Board) review processes.
- Member of team comprised of military, government civil service, and contract employees.
- Provided pre-IRB protocol development for new and seasoned investigators, alike. Provided lifecycle management of assigned research protocols, including pre-review of amendments, continuation reports, reports of unanticipated problems/serious adverse events/serious or continuing noncompliance/suspension or termination /protocol deviations, as well as, final study reports and publications.

2020 – present Invited Lecturer, Christus Santa Rosa Exercise Physiology/Sports Medicine Didactics Program (Dr. Rodolpho Navarro MD & Ramy Noche MD, directors)

- I teach 3 exercise physiology modules/term to Orthopedic and Sports Medicine Fellows

2020 – present Adjunct Faculty, Department of Counseling, Health & Kinesiology, Texas A&M San Antonio

- Teaching online sections of Functional Anatomy and/or Exercise in Chronic Disease and Disabilities, and/or Exercise Nutrition for pre-med, pre-physical therapy, pre-nursing, etc. upperclassmen.

2021 – 2021 Adjunct Faculty, Our Lady of the Lake University

- Taught Basic Nutrition, Kinesiology Program, College of Arts and Sciences

2019 – 2019 Adjunct Faculty, The University of the Incarnate Word

- Taught Biomedical Physiology, School of Osteopathic Medicine, Biomedical Sciences Program
- Taught General Biology lecture and laboratory, School of Mathematics, Science, and Engineering

2018 – 2019 Adjunct Faculty, Galen College of Nursing

- Taught Anatomy & Physiology online & on-ground lecture and laboratory, Nutrition, Microbiology
- Served on Institutional Review Board as a bioscience member, overseeing all human research on campus

2020 – 2021 Medical Science Liaison/Director of Clinical Research ShurMed Emergency Medical Services

- Developed and initiated ambulance-based Moderna and Pfizer COVID vaccination programs
- Grant and medical writing
- Establish collaborations, and facilitate dialogue with leading clinicians, researchers, and key opinion leaders (KOLs) at academic institutions, hospitals, pharma companies, etc.
- Monitor the scientific literature for new developments and opportunities
- Liaise with marketing team to ensure consistent and accurate messaging
- Represent company in various communication and presentations media
- Clear understanding of the clinical research trial process, product development, and regulations

2020 – 2020 Director, Department of Independent Research Clinical Trials of Texas, Inc.

- My primary role as a research program director was to liaison with physicians, medical device companies, and pharmaceutical companies to generate and develop feasible research ideas, administering capability assessments, operating procedures, writing protocols and regulatory documents and reports, Institutional Review Board, FDA, and other federal applications
- Additionally, I was responsible for seeking and securing federal approval and upholding numerous regulatory facets of federal oversight expectations of clinical research
- Develop strategic future external funding & collaborative opportunities with federal and large corporations
- Assigned to informed consent for clinical trials for the Moderna and Pfizer COVID-19 vaccine volunteers

PREVIOUS ACADEMIC EMPLOYMENT HISTORY

Associate Professor 2017	Department of Kinesiology, Health, and Nutrition The University of Texas at San Antonio	Sept 2011 – Aug
Director 2016	Office of Undergraduate Research The University of Texas at San Antonio	Apr 2013 – Aug
Adjunct Assistant Professor 2015	Department of Medicine, Geriatrics, Gerontology and Palliative Medicine, The University of Texas Health Science Center at San Antonio	Sept 2009 – Aug
Adjunct Assistant Professor	Department of Medicine, Division of the General Clinical Research Center, The University of Texas Health Science Center at San Antonio	2006 – 2009
Assistant Professor	Department of Health and Kinesiology The University of Texas at San Antonio	2005 – 2011
Lecturer & Research Associate	Exercise and Sport Nutrition Laboratory Department of Health, Human Performance & Recreation Baylor University	2003 – 2005
Assistant Professor	Department of Physical Education and Sport The State University of New York (SUNY) College at Brockport	2001 - 2003
Graduate Teaching Assistant	Department of Kinesiology and Health Education The University of Texas at Austin	1997 - 2001
Graduate Research Assistant	Department of Kinesiology and Health Education The University of Texas at Austin	1996 - 1997
	Department of Physiology, Exercise and Sport Sciences The University of Arizona	1994 - 1996
Research Technician	Department of Physiology, Exercise and Sport Sciences The University of Arizona	1993 - 1994

UNIVERSITY LEADERSHIP TRAINING AND POSITIONS**Director, Office of Undergraduate Research (OUR)****2013 – 2016**

In spring 2012, the Provost's office tasked me to develop a strategic plan for an Office of Undergraduate Research to complement UTSA's Tier One aspirations. Once established, I was named director after an internal search (spring 2013). My leadership in this role revolved around 1) development, implementation, and evaluation of undergraduate research at UTSA while 2) promoting, facilitating, and incentivizing the inclusion of all UTSA undergraduates in experiential opportunities across all disciplinary scopes. The opportunities ranged from entry-level apprentice- or internship-type programs for students interested in learning about discovery and the creation of knowledge to more comprehensive transformative non-STEM/STEM research and service-learning experiences for students looking to move on to graduate school or advance their career options. I worked closely with administrative and research units to advance current and future research training programs at UTSA. In doing so, I established and led cross-campus research initiatives to enhance the efficacy of undergraduate scholarly training, developing UTSA student citizens into young professionals. My efforts complemented UTSA's Freshman Focus Initiative, Core Curriculum and Quality Enhancement Plan, and 4-year Graduation Rate Improvement Plan efforts by engaging students early in their

academic careers to motivate, educate, to develop young professionals. In this role I worked with nearly every office and division on campus, playing an integral component in the development and sustainability of student academic training services. I received a part-time administrative assistant after 1½ years as director.

Leadership responsibilities as OUR director:

1. Responsible for ~\$155,000 annual budget and expenditures, working on a zero-budget standard.
2. Organized and hosted the annual UG Research and Creative Inquiry Showcase to highlight student work from across campus. My inaugural 2014 event introduced 200 presenters to 600 UG attendees and in spring 2015, 300 students presented to >1000 UG attendees.
3. Established an UG Research Scholarship program, rewarding >80 students (\$112,000 awarded since spring 2014) from all academic colleges – these funds help offset student costs for extracurricular faculty-mentored research.
4. Collaborated with UTSA Career Center on University Research Internship work-study program – these paid opportunities (~25 per semester) are available to students with financial need and good academic standing.
5. Facilitated the international UTSA/Instituto Tecnológico y de Estudios Superiores de Monterrey Summer Research Immersion Camp – coordinating with faculty mentors as well as offices from Student Housing to International Programs to accommodate this annual student exchange program. Eleven Mexican biomedical students have participated each summer.
6. Administered UTSA Department of Homeland Security Scholars program – overseeing recruitment, applications, awards, scholarship disbursement, etc. for 9 students selected to participate in a new research-intensive academic certificate.
7. Worked with UTSA Office of Institutional Research (OIR) to evaluate and improve student outcomes and success. The partnership tracks institutional effectiveness related to 1) student success impact, 2) faculty mentor impact, and 3) research and administrative infrastructure impact in order to evaluate unit- and university-level program effectiveness. These formative and summative data serve as a valuable source for longitudinal studies on program effectiveness, institutional impact, and inform further program development and growth.
8. Teamed with the Office of Recruitment and Diversity to increase diversity and preparation of students from diverse backgrounds who are traditionally underrepresented in their academic disciplines.
9. Worked with the University College (freshmen college) to transition from a traditional freshman course delivery model of uninterrupted lectures to a student-centered active learning model that allows students to connect scientific concepts to real-world applications. Such a program would also channel interested students into active participation in their discipline.
10. Worked with various faculty researchers, collaborations, departments and other units as an institutional support resource for research training grant submissions.
11. Maintained an open-door policy for students, figuratively and literally, communicating with and for undergraduates concerning their academic and professional achievement as well as strategic planning for institution.

OUR-related service awards:

- The Richard S. Howe Excellence in Service to Undergraduate Students Award, Presidential Awards, The University of Texas at San Antonio, April 16, 2015
- Recognition of Excellence in Promoting Academic Integrity, Intelligent Living, and Meaningful Learning. Honors Alliance, The University of Texas at San Antonio, November 20, 2014

OUR UG research programmatic grantsmanship:

Awarded:

1. Grant period: 2014-2017 Department of Homeland Security (Bernard Arulanandam, PI) UTSA Department of Homeland Security Scholars. **FOGT ROLE:** (Co-I): *grant proposal preparation, student training/certifications, recruiting/screening applicants, program scheduling, and testing/data collection/analysis.*
 - a. \$400,000 total award

Not funded:

S2015 Department of Homeland Security “CIRC Workforce and Development Program” (FOGT ROLE: Co-I)
 S2014 NIH (BUILD) Planning Grant (FOGT ROLE: PI) \$215,142
 F2014 Beckman Scholars Program (FOGT ROLE: PI) \$40,000
 F2013 Howard Hughes Medical Institute (FOGT ROLE: Co-I) \$1,998,195
 S2013 NIH (BUILD) Planning Grant (FOGT ROLE: PI) \$23,610,274

President’s Leadership Council

2016

Work with UTSA President to engage in an on-going dialogue with student leaders exemplifying well-rounded excellence through leadership, academic achievement, extracurricular activities, and service to the university and community.

Mentored 6 student leaders on undergraduate research needs, preparing report of the “State of Undergraduate Research – Roadblocks and Strategies” for the president and provost.

Leadership UTSA Program

2014 – 2016

I was chosen for the Provost’s “Leadership UTSA” (LUTSA) training program (2014-2015 cohort) for emerging campus leaders. This humbling experience was immensely helpful to define my own leadership style, its inherent strengths and limitations, as well as how to recognize situations that require another style. Experiences throughout this program enlightened me to university administration and the importance of establishing a shared vision with assessable outcome goals, transparency, delegation, and leading from the front or back when appropriate. I was awarded the “Blaze the Trail” award by my cohort peers for “being brave enough to take your team to new places”. My LUTSA peers also selected me to facilitate the 2016 and 2017 LUTSA cohorts. In all, this program confirmed and strengthened my trajectory as an academic leader.

Vice Chair (2 years) and Bioscience Board Member (6 years), UTSA Institutional Review Board

2015 – 2017

Formulate and implement procedures to assure the universities compliance with all federal regulations for the safeguarding of the legal rights and the physical and mental well-being of human subjects involved in research projects at UTSA. Oversee 12 other board members and organize proposal reviews, meetings, protocol approvals, and investigator reprimands.

Faculty Senator

2011 – 2013

The Faculty Senate is an elected legislative and deliberative body whose primary purpose is to represent the UTSA faculty. The Faculty Senate reviews and formulates policy and enacts legislation on all matters pertaining to the professional concerns, duties, standards, ethics, responsibilities, perquisites, and work conditions of the UTSA faculty, as well as matters relating to academic freedom and equity for the faculty.

Chair, Faculty Senate Committee on University’s Handbook of Operating Procedures

2011 – 2013

The Faculty Senate acts to amend or approve changes to the Handbook of Operating Procedures. Evaluated several proposed changes to institution’s Handbook of Operating Procedures and determined best way to or not to incorporate potential changes as directed by the UTSA faculty, legal affairs, mission and vision and report to the Faculty Senate Chairperson and Provost.

Executive Committee, Faculty Senate

2012 – 2014

Help prepare monthly meeting agenda of Faculty Senate within guidelines established in bylaws, review reports, screen and coordinate Senate business, refer matters to the standing or special committees.

Elected Facilitator, Leadership UTSA program

2015 – 2017

Program planning, organization, facilitation for 2015-2016 and 2016-2017 LUTSA cohorts. This program helps participants define their own leadership style, its inherent strengths and limitations, as well as how to recognize situations that require another style. Experiences throughout this program engage university administration and the stress importance of establishing a shared vision with assessable outcome goals, transparency, delegation, and leading from the front or back when appropriate.

Grants and Development Initiatives for Department of Kinesiology, Health, and Nutrition

2013 – 2017

1. DKHN/Methodist Healthcare Systems of San Antonio (MHS)

I have initiated/obtained Cooperative and Program Agreements with MHS on behalf of the department (July 2014). Working directly with the MHS Chief of Cardiology Disease and Chief Strategy Officer, Dr. J. Fernando Triana, this department-wide initiative will give UTSA Kinesiology, Health, and Nutrition students hands-on training in cardiology and patient care while providing research opportunities for faculty and benefit both cardiologists and patients. Although I am leading this effort, my departmental colleagues will be instrumental in the program execution. In kind, we have created new course content at the UG level, created a Masters certificate program in Clinical Exercise Physiology, secured a new faculty line for Clinical Exercise Physiologist, and have received \$49,000 of equipment from the Vice President of Research.

2. Proposal for Gift from Private Donor(s).

I continue to prepare proposals to private donors through the UTSA Development Office. The requested funds would support Kinesiology, Health, and Nutrition faculty and students' research and academic mission. Negotiations are ongoing with several donors.

3. BHP-Billiton/DKHN South Texas Health Initiative

On 48h notice and over the 2015 Memorial Day weekend, I took the initiative to prepare a proposal for BHP-Billiton (>\$1 million) on behalf of department Health faculty who were out of the country at semester's end. This proposal will fund community-based research for 4 faculty while supporting 2 program managers and 10 graduate students through spring 2018. Ultimately, our program proposal was not awarded as the company wants to focus on direct impact to their impacted communities.

RESEARCH/SCHOLARSHIP ACTIVITIES

RESEARCH SUMMARY STATEMENT

My scholarly work has evaluated the mechanisms by which the body adapts to short-term and chronic exposure to exercise, fatigue, and dietary manipulation. I have 20+ years of experience researching the adaptive responses of skeletal muscle metabolism to altered nutrition and muscle contractile activity including exercise and disuse as well as the role of regulatory hormones in these processes.

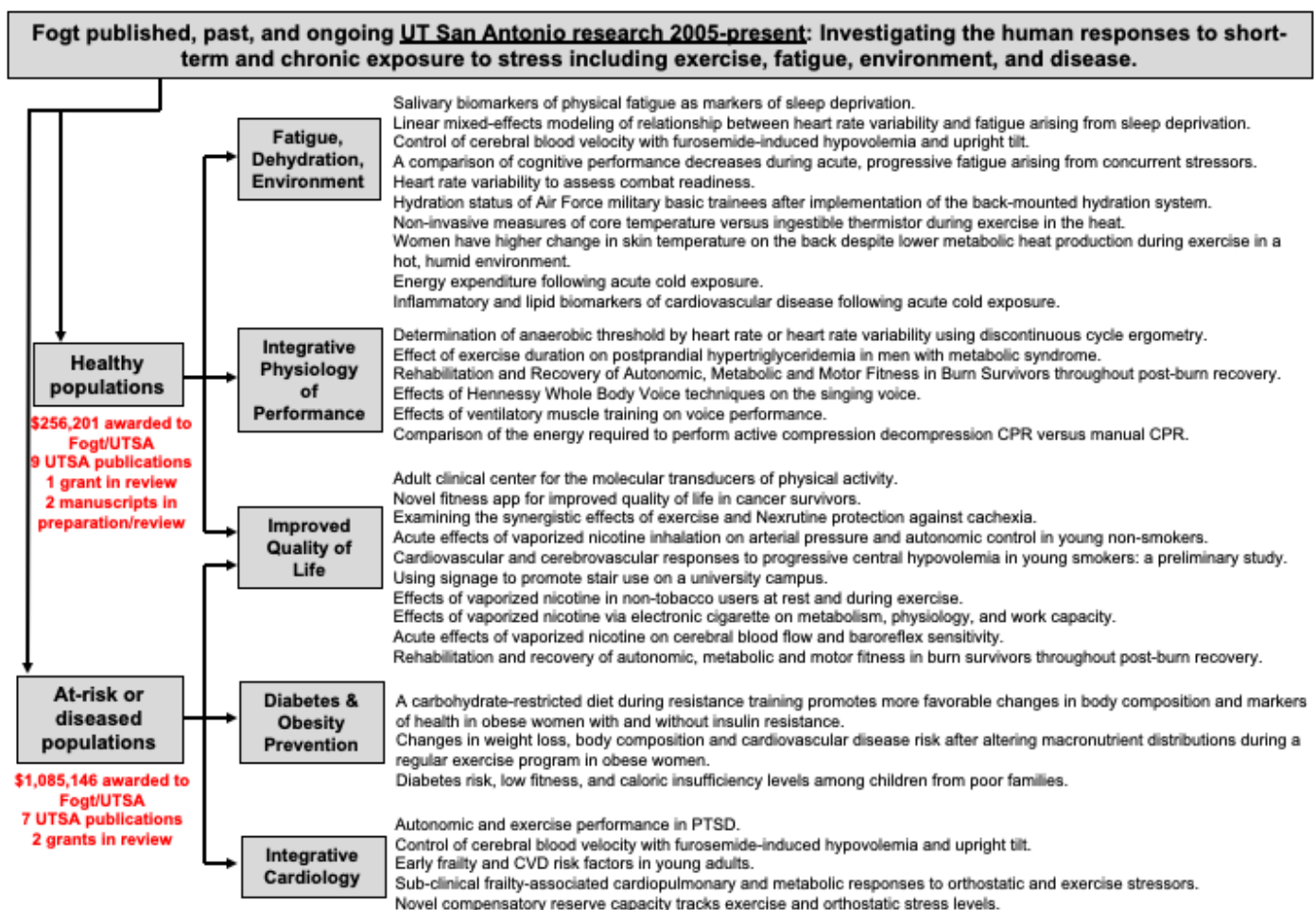
My past training in exercise physiology and nutrition has allowed me to help elucidate factors contributing to the development and progression of hypokinetic (too little movement) diseases. Historically, I specialized in conditions such as obesity, cardiovascular disease, and non-insulin-dependent diabetes mellitus while evaluating the role of exercise and nutrition as preventative and treatment modalities for these diseases in animal and human models. In the last 15+ years, I developed into an "integrated physiology of exercise" investigator, studying the physiological

interplay affecting human performance during exercise, disease, fatigue, environmental factors. **My most recent research line of inquiry was related to stress biomarker/biomonitoring.**

My subject populations included, but were not limited to, healthy normal weight, overweight and at-risk adults, PTSD/cancer/elderly/cardiovascular-diseased patients, coaches and athletes from a variety of sports and competitive levels, as well as soldiers and airmen/women of the armed services.

I directed the Exercise Biochemistry and Metabolism Laboratory and co-directed the Integrative Cardiopulmonary and Autonomic Performance Laboratories, which were capable of supporting numerous types of metabolic research including large intervention projects. I maintained a large group of highly trained undergraduate student interns (we did not have a PhD program).

My research collaborators included experts in my department and across UTSA, UT Health Science Center at San Antonio Departments of Radiology, Geriatrics, Nursing, and Cancer Research, San Antonio Military Medical Center – US Army Institute for Surgical Research, US Army Research Laboratories, US Air Force, The University of North Texas, The University of North Texas Health Science Center, and cardiologists Methodist Healthcare System of San Antonio.



Intelle

See PubMed.gov: Fogt DL for pre-2005 obesity- and diabetes-related animal studies/publications.

1. **Fogt, DL**, JE Kalns, DJ Michael, WH Cooke. *Measurements of fatigue level using heart rate variability data*. U.S. Patent: UTSK:420USPI, Filed April 13, 2010 through UT System/South Texas Technology Management. THE US VERSION OF THIS PATENT WAS NOT LISCENCED AND AN INTERNATIONAL PATENT WAS NOT FILED. Fatigue researchers

have yet to endorse a universally accepted objective measure of “fatigue level”. However, my colleagues at Hyperion Biotechnology, Inc. and I established a mathematical model which utilizes an easily measured physiological signal (i.e., heart rate variability) that changes with fatigue level, providing end users with objective, and real-time measures of fatigue. Hence, regardless of stress combination, we can now use heart rate variability throughout the stress exposure to predict and prevent overt fatigue levels associated with compromised cognitive/physiological performance.

Published Peer-reviewed Journal Manuscripts – Please refer to Google Scholar and PubMed for access to publications and research publication metrics.

1. Ullevig SL, M Umeda, E Chung, AL Sesatty, KE Samsuhadi, **DL Fogt**. Effects of acute cold exposure on plasma inflammatory and lipid biomarkers related to cardiovascular disease risk. *Journal of Integrative Cardiology Open Access* (online): dx.doi.org/10.31487/j.JICOA.2019.01.004, 2019
2. **Fogt DL**, AL Henning, AS Venable, BK McFarlin. Non-invasive measures of core temperature versus ingestible thermistor during exercise in the heat. *International Journal of Exercise Science* 10 (online): article 7, 2017.
3. **Fogt DL**, M Levi, CA Rickards, S Stelly, WH Cooke. Effects of acute vaporized nicotine in non-tobacco users at rest and during exercise. *International Journal of Exercise Science* 9 (online): article 7, 2016.
4. Yang SC, CC Wang, SD Lee, YC Lee, KH Chen, **DL Fogt**, CH Kuo. Impact of 12-s rule on performance and muscle damage of baseball pitchers. *Medicine and Science in Sports and Exercise*, 48: 2512-2516, 2016 doi: 10.1249/MSS.0000000000001048.
5. Cooke WH, A Pokhrel, C Dowling, **DL Fogt**, CA Rickards. Acute inhalation of vaporized nicotine increases arterial pressure in young non-smokers: a pilot study. *Clinical Autonomic Research* 25: 267-270, 2015 doi:10.1007/s10286-015-0304-z.
6. Miller A, **DL Fogt**, WH Cooke. Cardiovascular and cerebrovascular responses to progressive central hypovolemia in young smokers: a preliminary study. *Military Medicine* 179: 1325-1330, 2014.
7. Park SW, M Brenneman, WH Cooke, **DL Fogt**. Determination of anaerobic threshold by heart rate or heart rate variability using discontinuous cycle ergometry. *International Journal of Exercise Science* 7 (online): article 6, 2014.
8. Michael DJ, B Valle, J Cox, JE Kalns, **DL Fogt**. Salivary biomarkers of physical fatigue as markers of sleep deprivation. *Journal of Clinical Sleep Research* 9: 1335-1331, 2013.
9. **Fogt DL**, JE Kalns, DJ Michael, WH Cooke. Linear mixed-effects modeling of relationship between heart rate variability and fatigue arising from sleep deprivation. *Aviation Space and Environmental Medicine* 82: 1104-1109, 2011.
10. Romero SA, G Moralez, CA Richards, KL Ryan, VA Convertino, **DL Fogt**, WH Cooke. Control of cerebral blood velocity with furosemide-induced hypovolemia and upright tilt. *Journal of Applied Physiology* 110: 492-498, 2011.
11. Kerksick CM, J Wisnmann-Bush, **D Fogt**, AR Thomas, L Taylor IV, B Campbell, CD Wilborn, T Harvey, M Roberts, P LaBounty, M Galbreath, B Marcello, C Rasmussen, RB Kreider. Changes in weight loss, body composition and cardiovascular disease risk after altering macronutrient distributions during a regular exercise program in obese women. *Nutrition Journal* 9: 59-78, 2010.
12. **Fogt DL**, JE Kalns, DJ Michael. A comparison of cognitive performance decreases during acute, progressive fatigue arising from different concurrent stressors. *Military Medicine* 175: 939-944, 2010.
13. Grimstvedt M, J Kerr, S Oswalt, **D Fogt**, T Vargas-Tonsing, Z Yin. Using signage to promote stair use on a university campus. *Journal of Physical Activity and Health* 7: 232-238, 2010.
14. **Fogt DL**, PJ Cooper, CN Freeman, JE Kalns, WH Cooke. Heart rate variability to assess combat readiness. *Military Medicine* 174: 491-495, 2009.
15. **Fogt DL**, LC Brosch, DC Dacey, JE Kalns, NS Ketchum, P Rohrbeck, MM Venuto, JB Tchandja, ML Brunning. Hydration status of Air Force military basic trainees after implementation of the back-mounted hydration system. *Military Medicine* 174: 821-827, 2009.

16. Trevino RP, **DL Fogt**, T Jordan Wyatt, L Leal-Vasquez, E Sosa, C Woods. Diabetes risk, low fitness, and energy insufficiency levels among children from poor families. *Journal of the American Dietetic Association* 108: 1846-1853, 2008.
17. Zhang JO, LL Ji, **DL Fogt**, VS Fretwell. Effect of exercise duration on postprandial hypertriglyceridemia in men with metabolic syndrome. *Journal of Applied Physiology* 103: 1339-1345, 2007.
18. **Fogt DL**, Z Ding, JC Lawrence Jr, SH Lee, S Pan, A Scrimgeour, JL Ivy. Effects of glycogen synthase overexpression on insulin-stimulated muscle glucose uptake and storage. *American Journal of Physiology (Endocrinology and Metabolism)* 286: E363-369, 2004.
19. Williams MB, PB Raven, **DL Fogt**, JL Ivy. Effects of recovery beverages on glycogen restoration and endurance exercise performance. *Journal of Strength and Conditioning* 17: 12-19, 2003.
20. Pan S, Z Ding, **DL Fogt**, J Hancock, DG Hunt, JL Ivy. Effects of clenbuterol on insulin resistance in conscious obese Zucker rats. *American Journal of Physiology (Endocrinology and Metabolism)* 280: E554-E561, 2001.
21. Ivy JL, TW Zderic, **DL Fogt**. Prevention and treatment of non-insulin-dependent diabetes mellitus. *Exercise and Sport Science Reviews* 27: 1-33, 1999.
22. Jacob S, **DL Fogt**, GJ Dietze, EJ Henriksen. The β_2 -adrenergic modulator celiprolol reduces insulin resistance in the obese Zucker rat. *Life Sciences* 64: 2071-2079, 1999.
23. Henriksen EJ, S Jacob, **DL Fogt**, GJ Dietze. Effect of bradykinin administration on insulin action in an animal model of insulin resistance. *American Journal of Physiology (Regulatory, Integrative, and Comparative Physiology)* 275: R40-R45, 1998.
24. Dal Ponte DB, **DL Fogt**, S Jacob, EJ Henriksen. Interactions of captopril and verapamil on glucose tolerance and insulin action in an animal model of insulin resistance. *Metabolism* 47 (8): 982-987, 1998.
25. **Fogt DL**, MJ Slentz, ME Tischler, EJ Henriksen. GLUT-4 protein and citrate synthase activity in distally and proximally denervated rat soleus muscle. *American Journal of Physiology (Regulatory, Integrative, and Comparative Physiology)* 272: R429-R432, 1997.
26. Streeper RS, EJ Henriksen, S Jacob, JY Hokama, **DL Fogt**, HJ Tritschler. Differential effects of lipoic acid stereoisomers on glucose metabolism in insulin-resistant skeletal muscle. *American Journal of Physiology (Endocrinology and Metabolism)* 273: E185-E191, 1997.
27. Henriksen EJ, S Jacob, RS Streeper, **DL Fogt**, JY Hokama, HJ Tritschler. Stimulation by α -lipoic acid of glucose transport activity in skeletal muscle of lean and obese Zucker rats. *Life Sciences* 61(8): 805-812, 1997.
28. Henriksen EJ, S Jacob, **DL Fogt**, EB Youngblood, J Godicke. Antihypertensive agent monoxidine enhances muscle glucose transport in insulin-resistant rats. *Hypertension* 30(6): 1560-1565, 1997.
29. Jacob S, EJ Henriksen, **DL Fogt**, GJ Dietze. Effects of trandolapril and verapamil on glucose transport in insulin-resistant rat skeletal muscle. *Metabolism* 45(5): 535-541, 1996.
30. Jacob S, RS Streeper, **DL Fogt**, JY Hokama, HJ Tritschler, GJ Dietze, EJ Henriksen. The antioxidant α -Lipoic acid enhances insulin-stimulated glucose metabolism in insulin-resistant rat skeletal muscle. *Diabetes* 45: 1024-1029, 1996.
31. Halseth AE, **DL Fogt**, RF Fregosi, EJ Henriksen. Metabolic responses of rat respiratory muscles to voluntary exercise training. *Journal of Applied Physiology* 79(3): 902-907, 1995.

Invited Book Chapters:

1. **D Fogt**, M Contreras, W Cooke, B Falcon, G Gutierrez, T Jones, J Kalns. Assessment of physiological biomarkers involved with acute fatigue/physical exhaustion. In: *Adaptation Biology and Medicine, Volume 6: Cell Adaptations and Challenges*, edited by P Wang, C-H Kuo, N Takeda, and PK Singal, Narosa Publishing House Ltd., 2010.
2. **D Fogt**. Chapter 2: Carbohydrates. Pg 11-31. In: *NSCA Professional Application Series: NSCA's Guide to Sport and Exercise Nutrition*, edited by B Campbell and M Spano, Human Kinetics, Champaign, IL, 2010. ISBN-10: 0-7360-8349-9.

Invited Presentations at Annual Meetings of State, National and International Societies (where I presented the work)

1. **D Fogt.** Use of heart rate variability in conjunction with other markers to qualify and track fatigue/physical exhaustion. IX World Congress of the International Society for Adaptive Medicine, Taipei, Taiwan, August 4, 2009.
2. **D Fogt,** PJ Cooper, CN Freeman, JE Kalns, WH Cooke. Cardiac interbeat intervals to assess combat readiness. American College of Sports Medicine, Seattle, WA, May 27, 2009.
3. L Brosch, **D Fogt,** J Kalns, D Dacey, A Fitzpatrick, R Kaufman, J Latham, P Rohrbeck, M Venuto, M Brunning. Hydration status of Air Force military trainees after implementation of the back mounted hydration system. American College of Sports Medicine, Indianapolis, IN, May 28, 2008.
4. L Brosch, **D Fogt,** J Kalns, D Dacey, A Fitzpatrick, R Kaufman, J Latham, P Rohrbeck, M Venuto, M Brunning. Hydration status of Air Force military trainees after implementation of the back mounted hydration system. (Advanced Technology Applications for Combat Casualty Care (Department of Defense), St. Pete Beach, Florida, August 13-15, 2007).
5. **D Fogt.** Effects of glycogen synthase overexpression on post-exercise glucose tolerance and insulin-stimulated muscle glucose uptake. (oral presentation: 51th American College of Sports Medicine annual meeting, Indianapolis, IN, June 5, 2004).
6. **D Fogt.** Effects of the Curves fitness & weight loss program VI: Insulin sensitivity. (Federation of American Societies for Experimental Biology National meeting, Washington D. C., April 21, 2004).
7. **D Fogt.** Effects of glycogen synthase overexpression on post-exercise glucose tolerance and insulin-stimulated muscle glucose uptake. (Texas Chapter of American College of Sports Medicine annual meeting, Tyler, TX, February 27, 2004).
8. **D Fogt.** Effects of glycogen synthase overexpression on post-exercise glycogen synthesis. (oral presentation: 50th American College of Sports Medicine annual meeting, San Francisco, CA, May 30, 2003).
9. **D Fogt.** Post-exercise nutrition for accelerated recovery and maximal performance. (oral presentation: New York Chapter of National Strength and Conditioning Association annual meeting, Buffalo, NY, March 25, 2003).
10. **D Fogt.** Effects of post exercise carbohydrate-protein supplement on skeletal muscle glycogen storage. (48th American College of Sports Medicine annual meeting, Indianapolis, IN, May 31, 2000).
11. **D Fogt.** Effects of post exercise carbohydrate-protein supplement on skeletal muscle glycogen storage. (Texas Chapter of American College of Sports Medicine annual meeting, College Station, TX, February 11, 2000).
12. **D Fogt.** GLUT-4 protein and citrate synthase in distally or proximally denervated rat soleus muscle. (Intersociety Conference: The Integrative Biology of Exercise, Vancouver, BC, Canada, October 16-19, 1996).

Published Abstracts:

1. Campalans C, C Flores-Hansen, S Matjeka, C Quezada, **DL Fogt,** WH Cooke (2017) The Valsalva Maneuver for assessment of cardiovagal baroreflex sensitivity. International Journal of Exercise Science: Conference Proceedings. <http://digitalcommons.wku.edu/ijesab/vol2/iss9/61>.
2. Garza C, K Samsuhadi, A Seatty, S Ullevig, **DL Fogt** (2016) Effects of acute cold exposure on plasma biomarkers associated with cardiovascular disease. International Journal of Exercise Science: Conference Proceedings. <http://digitalcommons.wku.edu/ijesab/vol2/iss8/99>.
3. DeJesus V, J Barbosa, C Blount, WH Cooke, J Garcia, P Gutierrez, M Molina, E Montiel, **DL Fogt** (2016) Metabolic responses of two assisted CPR devices versus manual CPR during 1-person CPR. International Journal of Exercise Science: Conference Proceedings. <http://digitalcommons.wku.edu/ijesab/vol2/iss8/100>.
4. Mejia J, J Garcia, WH Cooke, CA Rickards, **DL Fogt** (2016) Effects of acute vaporized nicotine in non-tobacco users at rest and during exercise. International Journal of Exercise Science: Conference Proceedings. <http://digitalcommons.wku.edu/ijesab/vol2/iss8/102>.

5. Vega R, WH Cooke, K Sosa, E Vega, **DL Fogt** (2016) Cardiorespiratory responses during 2-person CPR using two assisted CPR devices versus manual CPR. *International Journal of Exercise Science: Conference Proceedings*. <http://digitalcommons.wku.edu/ijesab/vol2/iss8/101>.
6. Hicks R, J Nix, **DL Fogt** (2015) Effects of ventilatory muscle training on voice performance: a pilot study. Pan American Vocology Association Symposium, Oct-9-11, 2015 in Greensboro, NC at UNC-Greensboro. <http://www.pava-vocology.org/sessions.html>.
7. Wise B, R Capurro R, **D Fogt** (2015) Effects of nutrition education on dietary intake quality and nutrition knowledge in professional soccer players – A pilot study. *International Journal of Exercise Science: Conference Proceedings*. <http://digitalcommons.wku.edu/ijesab/vol2/iss7/3>.
8. Colby HB, Sprick JD, Pham G, Cooke WH, **Fogt DL**, Rickards C. Cerebral blood flow regulation following inhalation of nicotine via electronic cigarettes. *The FASEB Journal* 29: Supplement1: 833.1, 2015.
9. Levi, M, J Garcia, S Stelly, **D Fogt** (2015) Effects of acute cold exposure on plasma biomarkers associated with cardiovascular disease risk. *International Journal of Exercise Science: Conference Proceedings*. <http://digitalcommons.wku.edu/ijesab/vol2/iss7/5>.
10. Levi, M, S Stelly, N Hines, L Koehler, A Nasirian, J Torres, M Cotton, WH Cooke, **DL Fogt**, CA Rickards (2014) Effects of vaporized nicotine on resting metabolic rate and physical work capacity. *International Journal of Exercise Science: Conference Proceedings*. <http://digitalcommons.wku.edu/ijesab/vol2/iss6/45>.
11. Stelly, S, D Bravo, N Hines, L Koehler, M Levi, **D Fogt** (2014) Energy Expenditure following Acute Cold Exposure. *International Journal of Exercise Science: Conference Proceedings*. <http://digitalcommons.wku.edu/ijesab/vol2/iss6/48>.
12. Dowling, CK, A Pokhrel, CA Rickards, **DL Fogt**, WH Cooke (2014) Vaporized nicotine inhalation increases arterial pressure in both supine and 70-degree head-up positions. *Internal Journal of Exercise Science: Conference Proceedings*. <http://digitalcommons.wku.edu/ijesab/vol2/iss6/51>.
13. Park, SW, MT Breneman MT, WH Cooke, A Cordova, **DL Fogt** (2013) Determination of anaerobic threshold by heart rate or heart rate variability using discontinuous cycle ergometry. *International Journal of Exercise Science: Conference Proceedings*. (<http://digitalcommons.wku.edu/ijesab/vol2/iss5/53>).
14. Castillo, DC, M Placeres, A Perez, DM Bravo, **DL Fogt**, Z Yin (2012) Changes in whole body bone mineral composition in a community-based pilot study designed for Mexican-American women at risk for type II diabetes. *International Journal of Exercise Science: Conference Proceedings*. (<http://digitalcommons.wku.edu/ijesab/vol2/iss4/8>)
15. **Fogt, DL**, WH Cooke, JE Kalns (2009) Use of heart rate variability in conjunction with other markers to qualify and track fatigue/physical exhaustion. IX World Congress of the International Society for Adaptive Medicine, Taipei, Taiwan, August 4, 2009. *Adaptive Medicine* volume 6.
16. Jacquez, JD, SA Romero, ER Sanborn, G Morales, DD Lui, **DL Fogt**, WH Cooke (2009) Arterial pulse wave velocities are unchanged following 12 weeks of circuit weight training, *International Journal of Exercise Science*. (<http://digitalcommons.wku.edu/ijesab/vol2/iss1/12>)
17. Sanborn, ER, SA Romero, G Morales, JD Jacquez, **DL Fogt**, WH Cooke (2009) Ovarian hormones and cerebral hemodynamics during upright tilt. *International Journal of Exercise Science: Conference Proceedings*. (<http://digitalcommons.wku.edu/ijesab/vol2/iss1/20>)
18. Taylor, L, C Mulligan, D Rohle, A Vacanti, **D Fogt**, C Rasmussen, C Kerksick, T Magrans, B Campbell, L Baer, B Slonaker, E Pfau, M Grimstvedt, C Wilborn, A Thomas, B Marcello, S Ounpraseuth, P Casey, M Greenwood, R Wilson, R Kreider. Analysis of the safety of the Curves fitness and weight loss program high protein diets. *Sports Nutrition Review Journal*. 1(1): S8-S9, 2004 (1st Annual International Society of Sports Nutrition Conference and Expo, Lake Las Vegas, June 18-20, 2004)
19. Wilborn, C, J Baer, B Campbell, A Thomas, B Slonaker, A Vacanti, B Marcello, C Kerksick, C Rasmussen, L Taylor, C Mulligan, D Rohle, **D Fogt**, R Wilson, M Greenwood, R Kreider. Effects of ZMA supplementation on the relationship of zinc and magnesium to strength, body composition, strength, or sprint performance, and

- metabolic and hormonal profiles. *Sports Nutrition Review Journal*. 1(1): S13-S14, 2004 (1st Annual International Society of Sports Nutrition Conference and Expo, Lake Las Vegas, June 18-20, 2004)
20. **Fogt, DL**, Z Ding, JC Lawrence Jr., S Pan, A Scrimgeour, JL Ivy. Effects of muscle glycogen on glucose tolerance and insulin-stimulated muscle glucose uptake pre- and post-exercise in transgenic mice overexpressing glycogen synthase. *Medicine and Science in Sports and Exercise* 36(5) Suppl., 2004 (51st Annual Meeting of the American College of Sports Medicine, Indianapolis, IN, June 2-5, 2004)
 21. Mulligan, C, **D Fogt**, L Taylor, D Rohle, A Vacanti, C Rasmussen, C Kerksick, T Magrans, B Campbell, J Baer, A Thomas, R Slonaker, C Wilborn, B Marcello, E Pfau, M Grimstvedt, S Ounpraseuth, P Casey, R Wilson, M Greenwood, M Earnest, R Kreider. Effects of the Curves fitness & weight loss program VI: Insulin sensitivity. *FASEB J*. LB282, 2004. (Federation of American Societies for Experimental Biology National meeting, Washington D. C., April 17-21, 2004)
 22. Bowden, R, B Lanning, H Johnston, C Rasmussen, C Kerksick, T Magrans, B Campbell, J Baer, J., A Thomas, R Slonaker, E Pfau, M Grimstvedt, C Wilborn, B Marcello, **D Fogt**, L Taylor, C Mulligan, D Rohle, A Vacanti, S Ounpraseuth, P Casey, R Wilson, M Greenwood, M Earnest, R Kreider. Effects of the Curves fitness & weight loss program VII: Quality of life. *FASEB J*. LB283, 2004 (Federation of American Societies for Experimental Biology National meeting, Washington D. C., April 17-21, 2004)
 23. Lanning, B, R Bowden, H Johnston, C Rasmussen, C Kerksick, T Magrans, B Campbell, J Baer, J., A Thomas, R Slonaker, E Pfau, M Grimstvedt, C Wilborn, B Marcello, **D Fogt**, L Taylor, C Mulligan, D Rohle, A Vacanti, S Ounpraseuth, P Casey, R Wilson, M Greenwood, M Earnest, R Kreider. Effects of the Curves fitness & weight loss program VIII: Body image. *FASEB J*. LB284, 2004 (Federation of American Societies for Experimental Biology National meeting, Washington D. C., April 17-21, 2004)
 24. Vacanti, A, L Taylor, C Mulligan, D Rohle, **D Fogt**, C Rasmussen, C Kerksick, T Magrans, B Campbell, J Baer, A Thomas, R Slonaker, M Grimstvedt, E Pfau, C Wilborn, B Marcello, S Ounpraseuth, P Casey, R Wilson, M Greenwood, M Earnest, R Kreider. Effects of the Curves fitness & weight loss program V: Relationship of leptin to weight loss. *FASEB J*. LB281 (Federation of American Societies for Experimental Biology National meeting, Washington D. C., April 17-21, 2004)
 25. Taylor, L, C Mulligan, D Rohle, **D Fogt**, A Vacanti, J Baer, C Kerksick, C Rasmussen, S Ounpraseuth, P Casey, M Greenwood, M Earnest, R Kreider. Effects of zinc magnesium-aspartate (ZMA) supplementation during training on markers of anabolism and catabolism. *FASEB J*. LB442, 2004 (Federation of American Societies for Experimental Biology National meeting, Washington D. C., April 17-21, 2004)
 26. Rohle, D, C Mulligan, L Taylor, **D Fogt**, A Vacanti, C Kerksick, C Rasmussen, S Ounpraseuth, P Casey, M Greenwood, M Earnest, R Kreider. Effects of methoxyisoflavone, ecdysterone, and sulfopolysaccharide (CSP3) supplementation during training on markers of anabolism and catabolism. *FASEB J*. LB440, 2004 (Federation of American Societies for Experimental Biology National meeting, Washington D.C., April 17-21, 2004)
 27. **Fogt, DL**, Z Ding, JC Lawrence Jr., S-H Lee, S Pan, A Scrimgeour, JL Ivy. Effects of glycogen synthase overexpression on post-exercise glycogen synthesis. *Medicine and Science in Sports and Exercise* 35(5) Suppl., 2003 (50th Annual Meeting of the American College of Sports Medicine, San Francisco, CA, May 28-31, 2003)
 28. **Fogt, DL**, JL Ivy. Effects of post exercise carbohydrate-protein supplement on skeletal muscle glycogen storage. *Medicine and Science in Sports and Exercise* 32(5) Suppl., 2000 (47th Annual Meeting of the American College of Sports Medicine, Indianapolis, IN, May 29-31, 2000)
 29. Youngblood, EB, S Jacob, **DL Fogt**, DB Dal Ponte, GJ Dietze, EJ Henriksen. Chronic bradykinin treatment enhances insulin action in the insulin-resistant obese Zucker rat. *Diabetologia* 41: A173, 1998 (34th Annual Meeting of the European Association for the Study of Diabetes, Barcelona, Spain, September 8-12, 1998)
 30. Streeper, RS, S Jacob, **DL Fogt**, HJ Tritschler, EJ Henriksen. Direct stimulation by alpha-lipoic acid of glucose transport in skeletal muscle of Zucker rats. *Diabetologia* 40: A149, 1997 (16th International Diabetes Federation Congress, Helsinki, Finland, July 20-25, 1997)

31. Youngblood, EB, EJ Henriksen, S Jacob, **DL Fogt**, J Gödicke. Dose-dependent effect of moxonidine on glucose transport in insulin-resistant rat muscle. *Diabetologia* 40: A372, 1997 (16th International Diabetes Federation Congress, Helsinki, Finland, July 20-25, 1997)
32. Henriksen, EJ, S Jacob, RS Streeper, **DL Fogt**, HJ Tritschler. Alpha-lipoic acid enantiomers and glucose metabolism in insulin resistant rat skeletal muscle. *Diabetologia* 40: A369, 1997 (16th International Diabetes Federation Congress, Helsinki, Finland, July 20-25, 1997)
33. Jacob, S, EJ Henriksen, EB Youngblood, **DL Fogt**, J Gödicke. Moxonidine verbessert dosisabhängig die Insulin-Sensitivität in einem Modell der Insulin-Resistenz. (in German: Moxonidine improves in a dose-dependent manner insulin sensitivity in a model of insulin resistance). *Diabetes Stoffw.* 7: 1997 (32nd Annual Meeting of the German Diabetes Society, Lübeck, Germany, May 8-10, 1997)
34. Henriksen, EJ, S Jacob, RS Streeper, JY Hokama, **DL Fogt**, HJ Tritschler. Alpha-lipoic acid enantiomers and glucose metabolism in insulin resistant rat skeletal muscle. American Diabetes Association 32nd Research Symposium on The Role of Oxidants and Antioxidant Therapy in the Treatment of Diabetic Complications, Orlando, FLA, November 15-17, 1996.
35. **Fogt, DL**, M Slentz, ME Tischler, EJ Henriksen. GLUT-4 protein and citrate synthase in distally or proximally denervated rat soleus muscle. *Physiologist* 39: A-75, 1996 (1996 Intersociety Conference: The Integrative Biology of Exercise, Vancouver, BC, Canada, October 16-19, 1996)
36. **Fogt, DL**, EJ Henriksen, S Jacob, DB Dal Ponte, J Gödicke. Antihypertensive agent moxonidine enhances glucose transport in insulin-resistant muscle. *Diabetologia* 39: A162, 1996 (32nd Annual Meeting of the European Association for the Study of Diabetes, Vienna, Austria, September 1-5, 1996)
37. Jacob, S, EJ Henriksen, **DL Fogt**, D Dal Ponte, GJ Dietze. The adrenergic modulator celiprolol reduces insulin resistance in the obese Zucker rat. *Diabetologia* 39: A289, 1996 (32nd Annual Meeting of the European Association for the Study of Diabetes, Vienna, Austria, September 1-5, 1996)

GRANTMANSHIP ACTIVITIES

Completed Research Funding Awards – UTSA

I have removed the 2017 NIH grant funding (details below) that I had gave up when I left UT San Antonio. The information, however, is provided here to show the scope of my involvement: I received the first year of funding (2017-2023 \$503,669 to Fogt) through a NIH U01 award with UT Health Science Center San Antonio and UT Medical Branch – Galveston. As the only UTSA site investigator, I was to be responsible for subject testing/training as well as biosample collection including hundreds of muscle and fat biopsies. This nationwide project will result in a publicly-available catalog of human molecular factors involved with exercise responses, produce several publications, support ancillary studies/publications, and provide substantial pilot data for this line of human exercise research. For this study, the UTSA Institutional Biosafety Committee approved me for muscle and fat biopsies. This technique is a first of its kind at UTSA and will open new investigational opportunities for my research.

1. Equipment award: April 2015 UTSA College of Education and Human Development (Donovan Fogt, PI) LSI cardiac telemetry system, 2 cardiac stress test treadmills, cardiac rehab recumbent bicycle. ***FOGT ROLE: proposal development, procurement.***
 - a. \$40,000 did not go through Cayuse
2. Equipment award: June 2015 UTSA Vice President for Research (Donovan Fogt, PI) Hologic Discovery bone densitometer, cardiac rehab recumbent bicycle. ***FOGT ROLE: proposal development, procurement.***
 - a. \$49,000 did not go through Cayuse
3. Grant period: 2015-2016 Zoll Medical/Advanced Circulatory (Donovan Fogt, PI) Comparison of the energy required to perform active compression decompression cardiopulmonary resuscitation versus manual

- cardiopulmonary resuscitation. ***FOGT ROLE:*** *study design, grant proposal preparation, pilot work/protocol development, procurement/payments, training/approvals, recruiting/scheduling subjects, experimental procedures/testing/data collection/analysis, manuscript preparation.*
- a. \$26,203 total award, \$15,376 direct costs, \$10,827 indirect costs
4. Grant period: 2015-2016 Vice President for Research INTRA Grant Program – Education (Donovan Fogt, PI) Early frailty and cardiovascular disease (CVD) risk factors in young adults. ***FOGT ROLE:*** *grant preparation, staff training, data collection and analysis, manuscript preparation.*
 - a. \$5,000 total award
 5. Grant period: 2015-2016 San Antonio Area Foundation – Biomedical/Heart Disease (Donovan Fogt, PI) Effect of early (pre-) frailty on cardiovascular performance and risk factors. ***FOGT ROLE:*** *Primary investigator: grant preparation, staff training, data collection and analysis, manuscript preparation.*
 - a. \$30,000 total award, \$5,000 direct costs
 6. Grant period: 2013-2014 Vice President for Research Collaborative Research Seed Grant Program (William Cooke, Donovan Fogt, Caroline Rickards [UNTHSC] Co-PIs) Acute effects of vaporized nicotine on metabolic, cardiovascular, and cerebrovascular responses in humans. ***FOGT ROLE:*** *Co-primary investigator: grant preparation, staff training, data collection and analysis, manuscript preparation.*
 - a. \$30,000 total award, \$20,000 UTSA direct costs
 7. Grant period: 2011-2012 College of Education and Human Development Faculty Research Award (Donovan Fogt, PI) Heart rate variability as an indicator of anaerobic threshold. ***FOGT ROLE:*** *study design, grant proposal preparation, pilot work/protocol development, procurement/payments, training/approvals, recruiting/scheduling subjects, experimental procedures/testing/data collection/analysis, manuscript preparation.*
 - a. \$3,640 total award
 8. Grant period: 2010-2012 National Institutes of Health: Diabetes, Digestive, and Kidney Diseases R34 PAR-09-177 (Zenong Yin, PI) Mujeres interesadas en cambios por la salud (MI CASA; Women interested in changes for a healthy lifestyle. ***FOGT ROLE:*** *Co-investigator: grant preparation, staff training, data collection and analysis, certified dual-X-ray absorptiometer operator.*
 - a. \$439,822 total award, \$222,232 for UTSA, \$160,185 UTSA direct costs, \$62,250 UTSA indirect costs
 9. Grant period: 2007-2009 National Institutes of Health: AREA award R15 HL087222-01 (William Cooke, PI) Circuit weight training and blood pressure regulation in pre-hypertension. ***FOGT ROLE:*** *Co-investigator: data collection, data analysis, and manuscript preparation.*
 - a. \$212,250 total award (UTSA), \$150,000 UTSA direct costs, \$62,250 UTSA indirect costs
 10. Grant period: 2006-2008 Department of Defense – Small Business Innovation Research/STTR Phase II A04-T018 CAGE 1CDC4 (John Kalns, PI) Rapid assessment of individual soldier operational readiness. ***FOGT ROLE:*** *Co-investigator: study design, grant proposal preparation, pilot work/protocol development, procurement/payments, training/approvals, recruiting/screening subjects, subject scheduling, and performance of experimental procedures/testing/data collection/analysis, manuscript/patent preparation.*
 - a. \$750,000 total award, \$229,998 total for UTSA (Fogt PI on 2 x 1yr subcontracts from Hyperion Biotechnology Inc.), \$167,863 total UTSA direct costs, \$62,136 total UTSA indirect costs
 11. Grant period: 2007-2008 Mannatech Inc. (John Kalns & Donovan Fogt, Co-PIs) Effects of Advanced Ambrotose on health and wellness of overweight young adults. ***FOGT ROLE:*** *study design, grant proposal preparation, pilot work/protocol development, procurement/payments, training/approvals, recruiting/screening subjects, subject scheduling, and performance of experimental procedures/testing/data collection/analysis, manuscript preparation.*
 - a. \$307,466 total award, \$81,995 for UTSA (Fogt PI on subcontract from Hyperion Biotechnology Inc.), \$57,946 UTSA direct costs, \$24,048 UTSA indirect costs

Submitted-NOT FUNDED Research Grant Proposals

1. Grant period: 2017-2021 National Institutes of Health R01 (1R01HL139330-01 Caroline Rickards, PI, Donovan Fogt, Co-I) Cardiovascular and cerebral regulation with chronic use of electronic cigarettes. **FOGT ROLE:** *study design, grant proposal preparation, pilot work/protocol development, data analysis, manuscript preparation.*
 - a. \$419,375 total award, \$116,758 for UTSA, \$92,665 UTSA direct costs, \$24,093 UTSA indirect costs
 - b. submitted January 2017
2. Grant period: 2017-2018 National Institutes of Health R21 (Darpan Patel, PI, Donovan Fogt, Co-I and UTSA PI) Examining the synergistic effect of exercise and Nexrutine protection against cachexia. **FOGT ROLE:** *study design, grant proposal preparation, pilot work/protocol development, performance of experimental procedures/testing/data, data collection and analysis, manuscript preparation.*
 - a. \$419,375 total award, \$58,328 for UTSA, \$39,679 UTSA direct costs, \$18,649 UTSA indirect costs
 - b. submitted October 2016
3. Grant period: 2017-2019 BHP Billiton (Erica Sosa, PI, Donovan Fogt, Co-I) UTSA/BHP Billiton South Texas Health Initiative. **FOGT ROLE:** *proposal preparation, departmental liaison, programmatic research and budget oversight, programmatic expansion.*
 - a. \$1,101,500 total award
4. Grant period: 2017-2018 UTHSCSA Institutional Integration of Medicine and Science (Donovan Fogt, PI) Phosphorus metabolism and nutrient supplementation in skeletal muscles. **FOGT ROLE:** *study design, grant proposal preparation, pilot work/protocol development, performance of experimental procedures/testing/data, procurement/payments, manuscript preparation.*
 - a. \$49,948 total award, \$49,948 for UTSA, \$49,948 UTSA direct costs (no indirect costs)
 - b. submitted May 2016
5. Grant period: 2017-2018 UTHSCSA Institutional Integration of Medicine and Science (Darpan Patel, PI, Donovan Fogt, Co-PI) Attenuating cancer cachexia using natural interventions. **FOGT ROLE:** *study design, grant proposal preparation, pilot work/protocol development, procurement/payments, manuscript preparation.*
 - a. \$49,959 total award, \$9,884 for UTSA, \$9,884 UTSA direct costs (no indirect costs)
 - b. submitted May 2016
6. Grant period: 2016-2017 San Antonio Life Sciences Institute Academy (William Cooke & Donovan Fogt, Co-PI) Autonomic regulation and neurocognitive function in PTSD. **FOGT ROLE:** *study design, grant proposal preparation, pilot work/protocol development, procurement/payments, manuscript preparation.*
 - a. \$49,959 total award, \$49,992 for UTSA, \$49,992 UTSA direct costs (no indirect costs)
 - b. submitted May 2016
7. Grant period: 2016-2017 San Antonio Medical Foundation (Leonard Cancio, PI, William Cooke & Donovan Fogt Co-PI) Autonomic neural regulation during recovery from severe burn. **FOGT ROLE:** *study design, grant proposal preparation, pilot work/protocol development, procurement/payments, manuscript preparation.*
 - a. \$49,959 total award, \$9,884 for UTSA, \$9,884 UTSA direct costs (no indirect costs)
 - b. submitted March 2016
8. Grant period: 2015-2018 BHP Billiton (Petroleum) (Donovan Fogt, PI) UTSA/BHP Billiton South Texas Health Initiative. **FOGT ROLE:** *proposal preparation, departmental liaison, programmatic research and budget oversight, programmatic expansion.*
 - a. \$1,101,500 total award
9. Grant period: 2015-2020 National Institutes of Health RO1 (Caroline Rickards, PI [UNTHSC], William Cooke, Donovan Fogt, Co-PIs) Cardiovascular and cerebral regulation with chronic use of electronic cigarettes. **FOGT ROLE:** *Co-investigator: grant preparation, staff training, data collection and analysis, manuscript preparation.*
 - a. \$2,201,649 total award, \$860,359 for UTSA, \$585,278 UTSA direct costs, \$275,081 indirect costs
10. Grant period: 2015-2016 Vice President for Research GREAT Seed Grant Program – Education (Sarah Ullevig, PI) Inflammatory and lipid biomarkers of cardiovascular disease following acute cold exposure. **FOGT ROLE:** *Co-investigator: grant preparation, staff training.*

- a. \$19,999 total award
11. Submitted January 2015: San Antonio Area Foundation – Community/Diabetes (Donovan Fogt, PI) Fit to fight metabolic syndrome. **FOGT ROLE:** *Primary-investigator (0% effort): grant preparation, staff training.*
 - a. \$50,000 total award
12. Submitted June 2014: San Antonio Life Sciences Institute – Relationship between early frailty and cardiovascular performance and CVD risk factors. Donovan Fogt (UTSA) and Sara Espinoza (UTHSCSA) Co-Primary Investigators. **FOGT ROLE:** *UTSA PI: proposal preparation, staff training.*
 - a. \$298,966 total requested (over 12 mo), \$149,600 for UTSA, \$149,600 direct costs, \$0 indirect costs
13. Submitted November 2014: Department of Defense Research and Education Program for HBCU/MI (BAA w911nf-15-r-0002) – Relationship between early frailty and cardiovascular performance and CVD risk factors. Donovan Fogt PI. **FOGT ROLE:** *UTSA PI: proposal preparation, staff training.*
 - a. \$600,00 total requested, \$350,600 UTSA direct costs, \$182,000 indirect costs
14. Submitted 2013: U.S. Air Force BAA-12-04-HPW-RHC—Donovan Fogt and William Cooke (UTSA) teamed with Booz Allen Hamilton in a multi-center effort to provide an integrated proposal to the U.S.A.F. Human Performance Wing. **FOGT ROLE:** *Subcontract PI: study design, grant proposal preparation.*
 - a. \$60.1 million total requested (over 5 yr), \$1.26 million for UTSA over 5 yr (Fogt & Cooke Co-PIs on subcontract from Booz Allen Hamilton), \$858,045 UTSA direct costs, \$403,281 UTSA indirect costs
15. Submitted 2012: National Institute on Aging – Small Business Innovation Research – Phase I (John Kalns, Hyperion Biotechnology, Inc., PI): Heart rate variability to identify arising from sleep deprivation in the elderly. **FOGT ROLE:** *Subcontract PI: study design, grant proposal preparation.*
 - a. \$149,583 total requested, \$49,955 for UTSA (Fogt PI on subcontract from Hyperion Biotechnology Inc.), \$33,983 UTSA direct costs, \$15,972 UTSA indirect costs
16. Submitted: 2012: National Institute on Aging – Small Business Innovation Research – Phase I (John Kalns, Hyperion Biotechnology, Inc., PI): Salivary biomarkers to identify fatigue arising from sleep deprivation in the elderly. **FOGT ROLE:** *Subcontract PI: study design, grant proposal preparation.*
 - a. \$149,583 total requested, \$49,955 for UTSA (Fogt PI on subcontract from Hyperion Biotechnology Inc.), \$33,983 UTSA direct costs, \$15,972 UTSA indirect costs
17. Submitted 2011: U.S. Army Medical Research and Material Command/Telemedicine and Advanced Technology Research Center (F12) – Forward Surgical, Enroute Care, Shock, and Tissue Stabilization Program Announcement W81XWH-12-FEST-IIA (Paul Cox, PERL Research, PI) Log Number 12339057: Digital infrared thermographic imaging for remote standoff triage **FOGT ROLE:** *Co-I): study design, grant proposal preparation.*
 - a. \$469,690 total award proposed: \$237,690 for UTSA, \$130,730 direct costs, \$106,960 indirect costs
18. Submitted 2011: National Institutes of Health: Diabetes, Digestive, and Kidney Diseases R01 DK095235-01 (Polly Noel, UTHSCSA, PI) Reducing ethnic disparities in diabetes- and obesity-related functional limitations. **FOGT ROLE:** *Co-investigator: study design, grant proposal preparation.*
 - a. \$3,469,490 total award proposed, \$584,326 for UTSA, \$404,378 UTSA direct costs, \$179,948 UTSA indirect costs
19. Submitted 2011: U.S. Army Medical Research and Material Command/Telemedicine and Advanced Technology Research Center: Applied Research and Technology Development Award (FY12) – Psychological Health, Polytrauma, and Operational Health Program Announcement W81XWH-12-MOMJPC-ARATDA (Michael Baumann, PI) Log Number 12286083: Warfighters and Competitors: Physiological Characteristics of Elite-Level Athletes and Their Application to Combat Scenarios in Extreme Environments. **FOGT ROLE:** *Co-PI: study design, grant proposal preparation, study implementation.*
 - a. \$1,271,550 total award (UTSA) proposed: \$440,000 budget year 2012, \$425,000 budget year 2013
20. Submitted 2011: U.S. Army Medical Research and Material Command/Telemedicine and Advanced Technology Research Center: Applied Research and Technology Development Award (FY12) – Psychological Health, Polytrauma, and Operational Health Program Announcement W81XWH-12-MOMJPC-ARATDA (Donovan Fogt, PI) Log Number 12286025: Heart rate variability to predict onset of impaired cognitive

- function resulting from operational fatigue. **FOGT ROLE:** *study design, grant proposal preparation, study implementation.*
- a. \$375,000 total award (UTSA) proposed: \$200,000 budget year 2013, \$200,000 budget year 2014, \$175,000 budget year 2015
21. Submitted 2011: U.S. Air Force Medical Support Agency/Modernization Directorate – (FY12) Program Announcement 11-03-HPW, 4.1.2 Cognitive Performance and Fatigue Management (Donovan Fogt, PI): Heart rate variability to predict onset of impaired cognitive function resulting from operational fatigue. **FOGT ROLE:** *Co-I study design, grant proposal preparation, study implementation.*
 - a. \$400,000 total award (UTSA) proposed: \$100,000 budget year 2012, \$200,000 budget year 2013, \$100,000 budget year 2014
 22. Submitted 2011: U.S. Air Force Medical Support Agency/Modernization Directorate – (FY12) Program Announcement 11-03-HPW, 4.1.2 Cognitive Performance and Fatigue Management (Donovan Fogt, PI): Predicting onset of cognitive fatigue/impairment during prolonged on-task cognitive demand. **FOGT ROLE:** *Co-I study design, grant proposal preparation, study implementation.*
 - a. \$400,000 total award (UTSA) proposed: \$100,000 budget year 2012, \$200,000 budget year 2013, \$100,000 budget year 2014
 23. Submitted 2011: U.S. Air Force Medical Support Agency/Modernization Directorate – (FY12) Program Announcement 11-03-HPW, 4.2.4 Physiological Performance and Targeted Conditioning (Darren Michael, PI): Modafinil and caffeine: Does a combination of stimulants improve human performance during periods of sleep deprivation. **FOGT ROLE:** *Co-PI study design, grant proposal preparation, study implementation.*
 - a. \$400,000 total award (UTSA) proposed: \$100,000 budget year 2012, \$200,000 budget year 2013, \$100,000 budget year 2014
 24. Submitted 2010: National Institutes of Health: AREA award R15 PA-10-070 (Donovan Fogt, PI) Novel use of non-invasive diagnostic tool for determination of human fatigue. **FOGT ROLE:** *Co-PI study design, grant proposal preparation.*
 - a. \$339,000 total award (UTSA) proposed, \$250,000 UTSA direct costs, \$89,000 UTSA indirect costs
 25. Submitted 2009: Department of Defense (USAF) FA7014-10-1 (Donovan Fogt, PI) Diagnostic thermography for non-invasive determination of fatigue. **FOGT ROLE:** *PI study design, grant proposal preparation.*
 - a. \$495,680 total award (UTSA) proposed, \$363,664 UTSA direct costs, \$132,016 UTSA indirect costs
 26. Submitted 200: Department of Defense (USAF) FA7014-10-1 (Paul Cox, PI) Casualty triage and monitoring system. **FOGT ROLE:** *Co-I study design, grant proposal preparation.*
 - a. \$740,000 total award proposed, \$349,000 for UTSA, \$286,987 UTSA direct costs, \$62,013 UTSA indirect costs
 27. Submitted 2009: Department of Defense – Defense medical research and development program (Paul Cox, PI) Remote robotic triage. **FOGT ROLE:** *Co-I study design, grant proposal preparation.*
 - a. \$500,000 total award proposed, \$350,021 for UTSA, \$242,229 UTSA direct costs, \$107,792 UTSA indirect costs
 28. Submitted 2009: San Antonio Life Sciences Institute (Deborah Parra-Medina & Zenong Yin, Co-PIs) Historical prospective study to assess a clinic-based strategy for obesity management among pediatric patients diagnosed with excessive weight gain in a rural health clinic. **FOGT ROLE:** *Co-I grant proposal preparation*
 - a. \$248,764 total award proposed, \$107,712 for UTSA, \$107,712 UTSA direct costs, \$0 UTSA indirect costs
 29. Submitted 2008: Department of Defense – Congressional directed medical research program (Paul Cox, PI) Remote robotic triage. **FOGT ROLE:** *Co-I study design, grant proposal preparation.*
 - a. \$1,200,000 total award proposed, \$484,834 for UTSA, \$335,525 UTSA direct costs, \$149,309 UTSA indirect costs
 30. Submitted 2008: National Institutes of Health: AREA award R15 PA-10-070 (William Cooke, PI) Vasoconstrictor reserve in smokers. **FOGT ROLE:** *Co-I study design, grant proposal preparation.*

- a. \$325,125 total award (UTSA) proposed, \$225,000 UTSA direct costs, \$100,125 UTSA indirect costs
- 31. Submitted 2008: National Institutes of Health: Diabetes, Digestive, and Kidney Diseases R34 DK084203-01A1 PAR-06-358 (Zenong Yin, PI) Mujeres interesadas en cambios por la salud (MI CASA; Women interested in changes for a healthy lifestyle. ***FOGT ROLE:*** *Co-I study design, grant proposal preparation.*
 - a. \$393,873 total award proposed, \$332,014 for UTSA, \$320,203 UTSA direct costs, \$73,669 UTSA indirect costs
- 32. Submitted 2007: Kronkowsky Foundation (Zenong Yin, PI) Mujeres interesadas en cambios por la salud (MI CASA; Women interested in changes for a healthy lifestyle. ***FOGT ROLE:*** *Co-I study design, grant proposal preparation.*
 - a. \$75,000 total award proposed, \$75,000 for UTSA, \$75,000 UTSA direct costs, \$0 UTSA indirect costs
- 33. Submitted 2006: Department of Defense – Peer-reviewed medical research program (Robert Christy & Donovan Fogt, Co-PIs) Biomarkers for monitoring physical performance. ***FOGT ROLE:*** *Co-PI study design, grant proposal preparation.*
 - a. \$416,956 total award proposed, \$291,899 for UTSA, \$206,289 UTSA direct costs, \$85,610 UTSA indirect costs
- 34. Submitted 2006: National Institutes of Health: Diabetes, Digestive, and Kidney Diseases R18 PA-02-1553 (Zenong Yin, PI) Women walking for health in Laredo, Texas (WWH-Laredo). ***FOGT ROLE:*** *Co-I study design, grant proposal preparation.*
 - a. \$3,046,849 total award proposed, \$2,432,856 for UTSA, \$2,118,993 UTSA direct costs, \$613,993 UTSA indirect costs

Other Scholarly (Completed) Major Projects

2006 – 2008 Funded by United States Air Force and Hyperion Biotechnology, Inc. (Lorie Brosch, USAF, PI) Wilford Hall Medical Center, 59 Clinical Research Squadron/MSRP, Lackland AFB in conjunction with LTC Lorie Brosch of the 59 AMDS/MRP and Hyperion Biotechnology research scientists' research project FWH20060121H: "Hydration Status of Air Force Military Basic Trainees after Implementation of the Back Mounted Hydration System". ***FOGT ROLE:*** *Co-investigator: Study design, grant proposal preparation, pilot work/protocol development, procurement/payments, training/approvals, recruiting/screening subjects, subject scheduling, and performance of experimental procedures/testing/data collection/analysis, manuscript preparation.* This study evaluated the hydration status of Air Force basic trainees daily and over the course of a 5-week basic military training regimen using either a back-mounted hydration system or a standard-issue canteen.

TEACHING/MENTORING ACTIVITIES (note: A list of teaching positions is provided at the beginning of this CV.)

I consider myself a very effective instructor and mentor in the field of kinesiology/exercise science, thriving in a diverse student body with unique academic challenges. This includes nutrition, health, anatomy and integrative physiology, and related disciplines. My teaching merit is recognized through my methodologies, communication with and accessibility to students, commitment to mastery of learning objectives, and professional development of our academic charges. I insist on high expectations of my colleagues, my students, and myself to uphold academic rigor and integrity. These standards consistently foster exceptional efforts from most of my charges. By stressing the critical thinking skills and study approaches to complex, exercise physiology topics, my students take ownership of their training from the aspect of developing practitioners. I reliably demonstrate the ability to motivate, educate, and develop student citizens into young professionals. I received extensive online course training while at Galen College of Nursing and participated in monthly and weekly faculty development training seminars.

Teaching Awards

ACADEMIC AWARDS AND HONORS

The University of Texas at San Antonio

- Finalist, Distinguished Faculty Teaching Award, University Life Awards, Student Government Association, 2016
- Excellence in Teaching Award, National Society of Leadership and Success, 2015
- The Richard S. Howe Excellence in Service to Undergraduate Students Award, Presidential Awards, 2015
- Recognition of Excellence in Promoting Academic Integrity, Intelligent Living, and Meaningful Learning. Honors Alliance, 2014
- The Richard S. Howe Outstanding Undergraduate Teaching Award, Presidential Awards, 2013
- Excellence in Teaching Award, National Society of Leadership and Success, 2012
- Recognition of Excellence in Promoting Academic Integrity, Intelligent Living, and Meaningful Learning. Honors Alliance, 2012
- Distinguished Faculty for Teaching, University Life Awards, The Student Government Association, 2011
- The Amber Award in honor and recognition of outstanding contribution and service to students, UTSA Ambassadors, 2009

The University of Texas at Austin

- Teaching Assistant Excellence Award in Kinesiology, Graduate Student Assembly (2000, 2001)
- Mary Buice Alderson Scholarship for Teaching Excellence, Department of Kinesiology and Health Education (1998-1999, 1999-2000, 2000-2001)
- David Bruton, Jr. Teaching Fellowship, Department of Kinesiology & Health Education (1998-1999)

Hands-on laboratory or field experience provided to students

I provided pre-professional and research training to approximately eight undergraduate and/or graduate students in the laboratory each year. Since the spring of 2005, I directly supervised >150 students (127 undergraduates outside of the traditional classroom in a variety of professional development capacities through field- or laboratory-based instruction. In fall 2014 alone, I trained 19 new students for emersion in a new cardiology research initiative. At the same time, I had another 3 students working with me on local collegiate and professional soccer teams' fitness program design and proper implementation. I saw the lab itself as a classroom and a career development center. By stressing the critical thinking skills and study approaches involved with complex, applied exercise physiology themes, I helped a very diverse group of young scientists and healthcare professionals gain a better understanding of the creation and application of knowledge associated with their field. Students not only conducted data collection and analysis but also generated their own questions and to hold logical discussions about complex physiology-related problems. I served on >10 masters student theses (we did not have a doctoral program) and worked closely with the Honors College on advanced educational opportunities.

Students Supervised/Mentored (in Exercise Biochemistry and Metabolism Laboratory or EBML) – University of Texas at San Antonio (undergraduate students trained to date identified as UG)

Graduate Mentoring – University of Texas at San Antonio (Masters level) – completed and not-completed theses

2017 – 2018: Jamell Joseph (Department of Kinesiology, Health, and Nutrition Committee member: “Compensatory Reserve Index during dehydration and exercise”

2017 – 2018: Joshua Gonzalez (Department of Kinesiology, Health, and Nutrition Committee member: “Effects of fasting on automatic nervous system”

2016 – 2017: Christopher Blount (Department of Kinesiology, Health, and Nutrition Committee member: “Autonomic function during orthostatic stress”

2016 – 2017: Vincent DeJesus (Department of Kinesiology, Health, and Nutrition Committee member: “Use of compensatory reserve index during exercise”

2014 – 2016: Emily Wason (Department of Kinesiology, Health, and Nutrition Committee member: “The effects of strength vs. endurance exercise on cardiac function, myocardial remodeling and hormone response in post-myocardial infarction rats”

2013 – 2015: Steven Stelly (Department of Kinesiology, Health, and Nutrition) Committee Chair: “Energy expenditure following acute cold exposure”

2013 – 2015: Anusheela Pokhrel (Department of Kinesiology, Health, and Nutrition) Committee member: “Acute effects of vaporized nicotine inhalation on human autonomic cardiovascular control”

2012 – 2014: Christian Umana (Department of Health and Kinesiology) Committee member: “Soy protein supplementation with concurrent resistance training in overweight adult women”

2012 – 2013: Mary Ojeda (Department of Health and Kinesiology) Committee member: “The effects of treadmill running on rat blood volume and related cardiac function”

2011 – 2012: Sung Wook Park (Department of Health and Kinesiology) Committee Chair: “Heart rate variability predicts anaerobic threshold in cyclists”

2011 – 2012: Rosalie Aguilar (Department of Health and Kinesiology) Committee member: “Serum antioxidant levels and markers of adiposity and inflammation in sample of U.S. non-smokers”

2011 – 2012: Andre Miller (Department of Health and Kinesiology) Committee member: “Cardiovascular and cerebrovascular responses to lower body negative pressure in smokers”

2007 – 2009: Steven Romero (Department of Health and Kinesiology) Committee member: “Effects of dehydration on sympathetic modulation of blood pressure”

2007 – 2008: Christine Freeman (Department of Health and Kinesiology) Committee member: “Effects of estrogen and progesterone on sympathetic modulation of blood pressure”

2007 – 2008: Wes Zunker (Department of Health and Kinesiology) Committee member: “The effects of adding chains to the traditional squat exercise”

2005 – 2007: Megan Grimstvedt (Department of Health and Kinesiology) Committee Co-Chair: “Translational approach to increasing physical activity in a sedentary population”

Graduate Mentoring – Baylor University (Masters level)

2003 – 2005: Ashli Thomas (Department of HHPR) Thesis and professional development and ongoing research coordination: “The Curves for Women Fitness and Weight Loss Program: Curves Calcium”

2003 – 2005: Anthony Vacanti (Department of HHPR) Thesis, professional and research development: “Effects of resistance training on plasma markers of adipocyte homeostasis: leptin and ghrelin”

2003 – 2004: Christopher Mulligan (Department of HHPR) Thesis development and graduate research supervisor: “Effects of Curves for Women Fitness and Weight Loss Program on plasma markers of cortical function”

2003 – 2004: Daniel Rohle (Department of HHPR) Thesis and professional development and graduate research supervisor: “Fasting plasma leptin and ghrelin responses to fitness and weight loss: The Curves for Women program”

Graduate Mentoring – Baylor University (Doctoral level)

2003 – 2005: Chad Kerksick (Department of HHPR) Dissertation topic and professional development

2003 – 2005: Teresa Magrans (Department of HHPR) Dissertation topic and professional development

2003 – 2005: William Campbell (Department of HHPR) Dissertation topic and professional development

- 2003 – 2005: Brandon Marcello (Department of HHPR) Dissertation topic and professional development
 2003 – 2005: Colin Wilborn (Department of HHPR) Dissertation topic and professional development
 2003 – 2004: Lem Taylor (Department of HHPR) Professional development/graduate research supervisor

SERVICE ACTIVITIES – OTHER UNIVERSITY SERVICE AND LEADERSHIP

Spr 2015 semester Member, Strategic Plan “UTSA 2020”: Retention and Graduation Rates Subgroup
 As part of the President's Strategic Planning Process, this team focused on Graduation and Retention issues. Help develop a strategic plan that will help elevate UTSA to Tier 1 through academic excellence that can form the foundation for exceptional transformation at the university.

Spr 2015 semester Member, Strategic Plan “UTSA 2020”: Facilitating Breakthrough Discoveries Subgroup
 As part of the President's Strategic Planning Process, this team focused on Innovative Research and Discovery. Help develop a strategic plan that will help elevate UTSA to Tier 1 through creative thought and insight that can form the foundation for exceptional transformation at the university.

Fall 2014 – Fall 2016 Standing Member, Graduation and Retention Improvement Plan Cross-campus Planning Team
 Evaluate, formulate, and discuss current working programs and barriers to student success. This Provost-led team is actively engaged with improving UTSA through graduation and retention rates.

Fall 2012 – Spr 2013 Intellectual Property Management and Commercialization Ad Hoc Committee
 Advise Office of Commercialization and Innovation on development, implementation, and sustainability of UTSA commercialization and intellectual property efforts.

Spr 2012 Undergraduate Research Advisory Board
 Advise Vice President of Research on elements for generation of an Undergraduate Research Office. Attended CUR conference attended the Council for Undergraduate Research (CUR) Institute: Initiating and Sustaining Undergraduate Research Programs. Prepared initial draft of proposal for developing an undergraduate research office to suit the culture and programs at UTSA.

Fall 2012 – Spr 2013 Faculty Sponsor, UTSA Triathlon Club
 Provide oversight for club activities, scheduling, travel, and business conduct for University Student Activities.

Sum 2011 Provost's Task Force on Annual Review & Merit Policy
 Worked with Provost to develop proposed Annual Report Model designed to guide reporting of annual evaluation of teaching, research, and service performance in consideration for merit awards or performance improvement.

Fall 201 – Spr 2017 UTSA Institutional Review Board
 Formulate and implement procedures and review IRB applications/protocols to assure university compliance with federal, state, and institutional regulations protecting the rights and welfare of research subjects.

Spr 2010 – Spr 2011 University Standing Committee – Faculty Senate Committee on Budget
 Evaluated proposed budget as directed by the UTSA faculty senate. Reported to the Faculty Senate Chairperson or the Provost.

Spr 2011 – Fall 2011 Provost's Ad Hoc Faculty Appreciation Committee
Recommend creative ideas for recognizing and appreciating faculty contributions to UTSA.

Fall 2011 – Spr 2012 Provost's Freshman Focus Academic Inquiry Subcommittee
The Academic Inquiry Sub-Committee determined the course description and the number of semester credit hours for a freshman Academic Inquiry course. The sub-committee developed a generic syllabus for the course and established themes for first-year students, determined summer readings, and reviewed the core curriculum and QEP aspects for the course.

Fall 2009 – Spr 2011 University Standing Committee – Faculty Senate Committee on HOP
Evaluated 25+ proposed changes to institution's Handbook of Operating Procedures and determined best way to or not to incorporate potential changes as directed by the UTSA faculty, legal affairs mission and vision. We reported to the Faculty Senate Chairperson or the Provost.

Fall 2010 – Fall 2011 University Standing Committee – Athletics Council Committee
Advise President through VP Student Affairs on all matters of policy and procedures for operation of Intercollegiate Athletics program to ensure compliance with NCAA regulations.

Fall 2006 – Spr 2007 University Master Planning (Information Technology) Task Force
Joined working group to evaluate UTSA's current and prospective IT needs based on growth rates, evolution of IT, and potential limitations to best plan for the general plan for this sector's support of UTSA's mission and vision.

Fall 2009 UTSA Representative, UT System IRB Task Force
Invited by IRB Director Judith Grant to attend session presented by UT System for discussion of current and prospective IRB issues affecting the conduct of research by large and small UT System schools.

Fall 2008 – S2010 Faculty Sponsor, UTSA Club Baseball
Provided oversight for club activities, scheduling, travel, and business conduct for University Student Activities.

Spr 2008, Spr 2009 Guest lecture, Biomedical Engineering graduate course
Presented "Respiratory Physiology" to students enrolled in Physiology for Engineers, taught by Dr. Dawnlee Roberson. Contributed relevant exam questions to instructor.

Spr 2008 Guest presentation UTSA Department of Intercollegiate Athletics
Presented "Nutrition for Peak Performance" for all UTSA coaches/assistant coaches and again for all UTSA student athletes. Mediated discussion and question session that followed.

Fall 2006 – Spr 2017 Performance Testing, UTSA Men's and Women's Varsity Cross Country Teams
Schedule and conduct anaerobic threshold, body composition, and maximal aerobic capacity testing for ~20 runners each semester.

COLLEGE SERVICE

Fall 2012 – Spr 2014 College Academic Policy and Curricula Committee
The CAPCC is charged with making academic policy recommendations and considering proposals for new and modified undergraduate courses and academic programs.

Fall 2010 – Spr 2011 College Council Secretary

Attend and take minutes for each Council meeting as per the COEHD by-laws. Responsible for maintenance and dissemination of records and minutes of Council meetings and proceedings and insure records of said meetings are maintained by the Dean's office. The Council serves as an advisory body serving as a public forum for systematic deliberations and consultation with Dean about matters of concern to the community, including the development of COEHD policy.

Spr 2010 Judge, Undergraduate & Graduate Student Research Competition
Evaluated student narrative of research poster presentation in order to help committee rank qualified recipients of competition awards.

Fall 2009 – Spr 2011 Scholarship Committee – member and Chair
Reviewed COEHD student applications for numerous internal and external awards. Evaluated student performance and need in order to help committee rank qualified recipients. Chair of this committee starting fall 2010 – spring 2011.

Fall 2008 Dean's Task Force for Faculty Leave
Reviewed COEHD faculty applications for Faculty Leave at request of Dean. Evaluated faculty requests and needs in order to provide short list of qualified recipients for Dean.

Fall 2008 Presenter, COEHD Brown Bag Series
Presented my educational background, career track history, and current research/grantsmanship and general successes and problems facing my early years in the college. Presented to COEHD faculty and students in open forum and discussion.

Spr 2007 Dean's Task Force for COEHD IRB
At request of Dean Merchant, compiled and reviewed departmental perceptions of barriers to timely and favorable outcomes for COEHD human research protocols at university-level IRB. Discussion within task force concluded with report to Dean against the formation of a college-level IRB.

Spr 2006 – Spr 2009 Graduation Stage Marshall
Lead stage party into commencement ceremony and direct students and faculty during the proceedings.

Fall 2006 – Spr 2009 Chair, Dean's Information Technology Advisory Committee
Organize and preside over meetings, assignment allocation, meeting minutes, and liaison between Dean and Committee on IT-related issues and problems affecting COEHD. I produced the COEHD IT Vision Report to Information Technology Master Planning Committee (ITMPC) in 2006 in preparation for my representing the COEHD at the university level ITMPC (see below).

DEPARTMENT SERVICE

Fall 2015 – Spr 2017 Strategic Planning Committee
The SPC periodically reviews existing initiatives and policies and stimulate new ones. The SPC shall take the leadership in reviewing the missions and goals of the Department. The committee develops recommendations to the faculty and department chair for consideration.

Fall 2011 – Spr 2017 FAIR/Digital Measures Representative
Maintain updated knowledge of faculty reporting software programs and ensure departmental faculty are able to produce their required CV and annual reports in these systems.

Fall 2012 – Spr 2013 Academic Policy and Curricula Committee

Contribute to undergraduate program and curriculum development. The APCC is charged with making academic policy recommendations and considering proposals for new and modified undergraduate courses and academic programs. Chairman also represents the department at the college level committee.

Fall 2012 – Spr 2014 Faculty Advisory Committee

Help develop policy recommendations and guidelines, recommend priorities to the Chair for the acquisition and allocation of resources to support and sustain the academic program, including such areas as support for instruction and research, facilities, information technology, library resources, and faculty development and travel; and conduct elections necessary for the Chair.

Spr 2009 – Spr 2017 Faculty Review Advisory Committee

Consider matters of faculty retention, tenure, and promotion as outlined in the UTSA Handbook of Operating Procedures.

Fall 2011 – Spr 2014 Undergraduate Kinesiology Program Area Coordinator

Help the department Chair oversee the issues in the Health/Kinesiology Program regarding the development of new curriculum, revision of existing curriculum, course substitutions, identifying potential adjunct faculty, and other duties as assigned by the department Chair.

Fall 2011 – Spr 2013 Graduate Studies Committee

Contribute to program and curriculum development. Recommends new and modified graduate courses and programs endorsed by the Chair to College and University committees and administrators.

Fall 2009 – Spr 2012 Biomechanics Faculty Search Committee

Served to develop job description and position announcement in line with UTSA and the direction of the department. Evaluated applicants' packets for determination of short-list. Hosted interviewees and worked with committee to choose finalist(s) for Chair/Dean.

Fall 2007 – Spr 2012 Strategic Planning Committee

The SPC periodically reviews existing initiatives and policies and stimulate new ones. The SPC shall take the leadership in reviewing the missions and goals of the Department. The committee develops recommendations to the faculty and department chair for consideration.

Fall 2010 – Spr 2011 Faculty Meeting Secretary

Attend and take minutes for each faculty meeting as per the departmental by-laws.

Spr 2010 – Fall 2011 Academic Research Committee

The ARC makes recommendations to the Chair on all academic research support from the Department, including the distribution of funds related to academic travel, research, and scholarships.

Fall 2007 – Spr 2009 Academic Policy & Curriculum Committee

The APCC makes academic policy recommendations and considering proposals for new and modified undergraduate courses and academic programs.

Fall 2007 – Spr 2010 Department Faculty Advisory Committee

Functions of the DFAC include: developing policy recommendations and guidelines; recommending priorities to the

Chair for the acquisition and allocation of resources to support and sustain the academic program, including such areas as support for instruction and research, facilities, information technology, library resources, and faculty development and travel; and conducting elections necessary for the Chair.

Fall 2005 – Spr 2017 Graduate Advising

Advise approximately 15 graduate students per semester. Meet with students before each semester and throughout the semester as needed. Evaluate career goals, develop course plan to best suit those goals, re-evaluate as needed throughout student's program completion.

Fall 2005 – Spr 2017 Exercise Science Concentration Faculty Committee

Served to develop, test, and implement student/concentration assessment tools in order to comply with the SACS reaccreditation process. Develop and revise student learning goals/objectives/concentration as needed to best suit the student outcome needs as enrollment increases.

Fall 2006 – Spr 2008 Community Nutrition Faculty Search Committee

Served to develop job description and position announcement in line with UTSA and the direction of the department. Evaluated applicants' packets for determination of short-list. Hosted interviewees and worked with committee to choose finalist(s) for Chair/Dean.

Spr 2006 Health & Kinesiology Website Development Task Force

Helped plan, develop, promote, implement, and sustain new department website.

Fall 2005 – Fall 2006 Secretary, Graduate Studies Committee (GSC)

Attend and take minutes for each GSC meeting as per the departmental by-laws. Contribute to program and curriculum development and record minutes for each meeting. The GSC recommends new and modified graduate courses and programs endorsed by the Chair to College and University committees and administrators.

COMMUNITY SERVICE

Spr 2016 – Spr 2017 Member, American Heart Association – Community Health Plan 2.0 – Mission Priority Steering Committee. J. Fernando Triana, M.D., President

Plan, develop, and implement "Building a Culture of Health Across our Community". Jointly align with 2020 Impact Health Goal through programs, collaborations, and resource sharing.

Fall 2013 – Fall 2015 San Antonio Scorpions FC coaching staff (Alen Marcina, head coach)

Fitness programming: design and implement warm-up routines, strength and cardiorespiratory routines, oversee player nutrition, and consult with coaches on the goals and associated logistical obstacles.

Fall 2013 – Spr 2014 Womens' Soccer consultant

University of Texas at San Antonio (Greg Sheen, head coach)

Trinity University (Lance Key, head coach)

Fitness programming: design and implement warm-up routines, strength and cardiorespiratory routines, oversee player nutrition, and consult with coaches on the goals and associated logistical obstacles.

Fall 2006 – Spr 2011 ICON One Multisport (Shelly O'Brien-Campbell, Director)

Schedule and conduct anaerobic threshold, body composition, and maximal aerobic capacity testing for ~5 athletes each semester. Consult with director and athlete as to optimal training and competition preparation, re-testing as necessary.

Sum 2006 – Sum 2011 Presenter/Consultant, University of Texas Health Science Center Positively Aging Teacher Enrichment Program

Participated in the 2006-2010 summers as a curriculum consultant, presenter and as host for participating middle and high school teachers' visits to the laboratory for a day of hands-on learning. These Teacher Enrichment Initiatives (TEI) involve partnerships between faculty and staff of the University of Texas Health Science Center at San Antonio and K-12 teachers in the San Antonio area. The initiatives are designed to promote multidisciplinary health science curriculum, teacher professional development programs, and interactive on-line student activities and simulations.

Fall 2005 – Spr 2017 Performance Testing, San Antonio-area endurance athletes

Schedule and conduct anaerobic threshold, body composition, and maximal aerobic capacity testing for ~30 athletes each semester. I spend several hours monthly preparing for and conducting testing followed by dissemination of the results and consultation of findings based on individuals' goals and capabilities.

Fall 2005 – Spr 2017 Weight Management Testing/Consultation, San Antonio-area residents

Schedule and conduct resting metabolic and body composition testing for ~12 community members each semester. I spend several hours monthly preparing for and conducting testing followed by dissemination of the results and consultation of findings based on individuals' goals and capabilities.

Spr 2009 Presenter, Women's Sports Foundation "Go Girl Go" Leadership Conference

I was an invited speaker for the Women's Sports Foundation annual "Go-Girl-Go Leadership Conference" to present and discuss nutrition strategies for peak performance. The audience consisted of female coaches, athletes, and fitness or health-minded females in the San Antonio area (Feb 12, 2009).

Spr 2007 – Spr 2009 Mobile Health Laboratory Community Health Screening (Dr. Zenong Yin, Director)

I have participated in a number of outreach/screening programs with the department's Mobile Health Laboratory as the exercise physiologist charged with exercise testing, diabetes and heart disease risk assessment and body composition analysis.

Fall 2007 – Spr 2009 Soccer Training Center, Inc. (Jose Rodriguez, Proprietor)

Volunteered my time and expertise as a consultant for facilities planning and business model preparation and twice volunteered to provide presentations about exercise energy systems and nutrition to groups of his clientele.

Fall 2007 – Spr 2009 Lone Star Multisport (Bob Byard, Director)

Schedule and conduct anaerobic threshold, body composition, and maximal aerobic capacity testing for ~5 athletes each semester. Consult with director and athlete as to optimal training and competition preparation, re-testing as necessary.

PROFESSION-RELATED STATE, NATIONAL & INTERNATIONAL SERVICE

Fall 2012 – Spr 2017 Secretary, Texas Chapter of the American College of Sports Medicine

Designated by Executive Committee and Board of Directors of multi-disciplinary professional and scientific society dedicated to the generation and dissemination of knowledge concerning the motivations, responses, adaptations and health aspects of persons engaged in sport and exercise. Attend board meetings twice a year to determine business matters and policy and help coordinate and run the organization's annual meeting/conference. Also: review abstract submissions for annual meeting and serve as Student Bowl or Student Poster session judge.

Fall 2010 – Spr 2017 Section Editor, Environmental Physiology (and Military Physiology), International Editorial Board, International Journal of Exercise Science

Provide insight and direction for discussions of direction of journal's growth and am involved in the manuscript review proceedings and help determine the relative and potential contributions of submissions.

Fall 2009 – Spr 2017 International Editorial Board, Adaptive Medicine

Invited by Editor-in-Chief, Paulus Wang, to serve on editorial board of newly established scientific journal. Provide insight and direction for discussions of direction of journal's growth and am involved in the manuscript review proceedings and help determine the relative and potential contributions of submissions.

Fall 2001 – Spr 2017 Manuscript Reviewer

Review submitted manuscript for potential publication for journals: American Journal of Physiology (Endocrinology & Metabolism as well as Circulatory Physiology sections), International Journal of Sports Medicine, Research Quarterly for Exercise and Sport, International Journal Exercise Science, British Journal of Nutrition, Pediatrics, and Obesity. I review approximately 4 manuscripts per semester.

Fall 2007 – Spr 2010 Board of Directors, Texas Chapter of the American College of Sports Medicine

Was elected by Texas-based peers in my field to multi-disciplinary professional and scientific society dedicated to the generation and dissemination of knowledge concerning the motivations, responses, adaptations and health aspects of persons engaged in sport and exercise. Attend board meetings twice a year to determine business matters and policy and help coordinate and run the organization's annual meeting/conference.