

# **Greggory R. Davis, Ph.D., CSCS**

## **Current Work Address**

University of Louisiana at Lafayette  
School of Kinesiology  
225 Cajundome Blvd.  
Lafayette, LA 70504  
Email: [gdavis@louisiana.edu](mailto:gdavis@louisiana.edu)  
Phone: (337) 482-6463

## **Current Position:**

Assistant Professor, Assistant Director, University of Louisiana at Lafayette

## **Education:**

Doctor of Philosophy: Louisiana State University  
Concentration: Exercise Physiology  
Cognate: Biological Sciences  
Dissertation: “ The Effects of Chronic and Acute Exercise Modalities  
on Substrate Utilization and Plasma Adiponectin Concentration.”

Baton Rouge, LA  
**Spring 2013**

Bachelor of Science: Elon University  
Concentration: Exercise and Sport Science  
Minor: Business Administration

Elon, NC  
**Spring 2007**

## **Research/Scholarship Interests:**

My research interests focus on systemic metabolic and endocrine changes following environmental stress, dietary supplementation, and various exercise interventions. Specifically, I am interested in the implications of these physiological responses for individuals at risk for the development of insulin resistance and type 2 diabetes. I am also interested in the development of novel scientific approaches to analyze various aspects of exercise and recovery measurements.

**Indexed, Peer-Reviewed Publications:**

Aldret RL, Trahan B, **Davis GR**, and Bellar DM (2017). *Journal of Human Kinetics*. (In Press). Effects of an elastic hamstring assistance device during downhill running.

Gallien GJ, Bellar DM, **Davis GR** (2017). The efficacy of a pre-workout vegan supplement on high intensity cycling performance in healthy college-aged males. *Journal of Dietary Supplements*, 14 (6), 967 – 705. doi: 10.1080/19390211.2017.1310780.

Bellar DM, Murphy KA, Aithal RA, Piper TJ, and **Davis GR** (2017). The effects of a 36 hour mixed task ultra-endurance event on mucosal immunity and pulmonary function. *Wilderness and Environmental Medicine*, 28 (1), 10-16. doi: 10.1016/j.wem.2016.12.001.

**Davis GR**, Stephens, JS, and Nelson AG (2015). Effect of 12 weeks of periodized resistance training upon total plasma adiponectin concentration in healthy young men. *Journal of Strength and Conditioning Research*, 29 (11), 3097-3104. doi: 10.1519/JSC.0000000000000894.

**Davis GR**, Gallien, GJ, Moody KM, LeBlanc NR, Smoak PR, Bellar, DM. (2015). Cognitive function and salivary DHEA levels in physically active elderly African American women. *International Journal of Endocrinology*, article ID 219046, 6 pages.

Bellar DM, Judge LW, and **Davis GR**. (2015). Description and predictive value of a novel method for determining the respiratory compensation point using standard scores. *Journal of Strength and Conditioning Research*, 29 (5), 1433-1438. doi: 10.1519/JSC.0000000000000718.

**Davis GR**, Etheredge CE, Marcus L, and Bellar DM. (2014). Prolonged sleep deprivation and continuous exercise: effects on melatonin, tympanic temperature, and cognitive function. *BioMed Research International*, article ID 781863, 6 pages. doi:10.1155/2014/781863.

**Scholarly/Conference Presentations and Abstract Publications:**

American College of Sports Medicine Annual Meeting. **2017**  
**Davis GR**, Victor A, Bellar DM. Effects of Tart Cherry Concentrate Upon Muscle Oxygenation During Cycling Exercise.

Bellar DM, Murphy K, **Davis GR**, and Judge LW. Effect of Vitamin D3 on Musculoskeletal Performance in College Aged Males.

Russell RD, **Davis GR**, Nelson AG, Kraemer RR, Kheterpal P, Keske MA, McMillan AP, Roberts CK, Hulver MW. 6 Weeks of Resistance Training Reduces Disparities in Lipid Metabolism and Circulating Acylcarnitines in T2D Offspring.

Society of Health and Physical Educators Southern District. **2017**

Leger A, **Davis GR**, Bellar DM. Trends in extreme fitness competitions.

Integrative Biology of Exercise VII.

**2016**

**Davis GR**, Guillory J, Deville T, Bellar DM, Nelson AG. Examination of Physical Activity and Family History of Type 2 Diabetes on Serum FGF21.

National Strength and Conditioning Association National Conference.

**2016**

**Davis GR**, Sharp AR, Bellar DM. Validity and reliability of wearable near-infrared spectroscopy technology for the detection of muscle oxygen saturation: proof of concept.

Gallien G, **Davis GR**, Bellar DM. The effects of jiaogulan tea on resting metabolism in a sample of college aged males.

Bellar DM, Marcus L, **Davis GR**. The effects of a botanical blend on post-exercise mucosal antimicrobial proteins.

American College of Sports Medicine Annual Meeting.

**2016**

**Davis GR**, Guillory J, Deville T, Bellar DM, Nelson AG. Serum FGF 21 in Individuals with and Without a Family History of Type 2 Diabetes.

Bellar DM, Moody K, **Davis GR**, Glickman EL. The Effect of Tart Cherry Concentrate on Oxidative Stress and Salivary Immunoglobulins Post – Exercise.

National Strength and Conditioning Association National Conference.

**2015**

**Davis GR**, Fuller S, Daray L, Nelson AG, Stephens JM, Datri, J, Stewart LK. The effects of marathon training versus combined training on plasma adiponectin and C-Reactive Protein in healthy young females.

Gallien G, **Davis GR**, Bellar DM. The effects of a pre-workout vegan supplement on cycling performance levels in a sample of college aged males.

Marcus L, Bellar DM, **Davis GR**, Judge L. The association of peak force on a portable isometric device with age among older african american females.

Moody K, Bellar DM, Foret C, **Davis GR**, LeBlanc N, Murphy K, Judge L. Investigation of the acute and post exercise effects of tart cherry concentrate on salivary IgA.

Bellar DM, LeBlanc N, Judge L, **Davis GR**. The effect of six days of alpha-GPC supplementation on isometric force production.

Louisiana Association for Health, Physical Education, Recreation, and Dance Annual Convention. **2015**

**Davis, GR.** Minor Changes in Physical Activity, Major Changes in Physiology.

American College of Sports Medicine Annual Meeting. **2014**

**Davis GR,** Nelson, AG. 12 Weeks of Periodized Resistance Training Alters Total Plasma Adiponectin Concentration in Healthy Young Men.

Etheredge CE, Marcus L, McMillan C, Piper T, **Davis GR,** Bellar DM. Relationship of Temperature to Psychomotor Function During 36 Hours of Exercise without Sleep.

Bellar DM, Marcus L, Etheredge CE, **Davis GR,** Judge LW, McMillan C, Piper T, Glickman, EL. Effect of 36 Hours of Sustained Exercise on Melatonin.

American College of Sports Medicine Annual Meeting. **2013**

Nelson AG, **Davis GR,** Farney TM, Miskowiec RW, Trionfante CP, Kokkonen J. A Pre-exercise Dose Of Melatonin Can Alter Substrate Use During Exercise.

Trionfante CP, **Davis GR,** Nelson AG. Applying Undulating Periodization to Resistance Training can Significantly Improve Muscular Strength and Body Composition.

American College of Sports Medicine Annual Meeting. **2012**

**Davis GR,** Trionfante CP, Nelson AG. Niacin Supplementation Limits Fat Utilization During Short-Term Cycling Exercise.

Trionfante CP, **Davis GR,** Nelson AG. The Effects of Intensity on Blood Glucose Concentration in Lower Body Free Weight Resistance Training.

American College of Sports Medicine Annual Meeting. **2011**

**Davis GR,** Russell, RD, Nelson AG, Kokkonen J. Effects of Acute Cyclooxygenase Inactivation on Glucose Tolerance in Diabetic Offspring.

Russell RD, **Davis GR,** McMillan RP, Hulver MW, Van Dijk JW, Kheterpal I, Nelson AG. Changes in Lipotoxicity and Cardiovascular Disease Markers in Diabetic Offspring and Controls with Resistance Training.

Trionfante CP, **Davis GR,** Nelson AG. Effects of Intensity on Post-Exercise Glucose Uptake Following Resistance Training.

Experimental Biology. **2010**

**Davis GR**, Wang P, Hwang PM. Effects of Mouse Strain on Mitochondrial Biogenesis and Exercise.

**Funded External Research Grant Proposals:**

Lafayette Parish School System GEAR UP grant. \$50,994 **2016**

Roberts, N, Bellar DM, & **Davis GR**. Teachers Gear Up for Leadership Camp/Monitoring Muscle Oxygenation and Blood Flow to Examine Human Physiology in Science Education.

Cherry Research Institute. \$49,473 **2016**

Bellar DM, Boudreaux S, Murru S, and **Davis GR**. Investigation of the Effects of Tart Cherry Concentrate on Oxygen Kinetics and Muscle Oxygenation During Exercise.

**Funded Contracts:**

Phenoh. \$9,950 **2016**

Bellar DM & **Davis GR**. Clinical Testing of Phenoh vs traditional sports drink.

Anderson Global Group. \$19,422 **2016**

Bellar DM & **Davis GR**. Evaluation of the effects of CherryPure on bioavailability of nitrate, muscle oxygenation, slow component VO<sub>2</sub> kinetics and inflammation in aerobic athletes.

Avadim Technologies, Inc. \$7,084 **2016**

Bellar DM & **Davis GR**. Investigation of Muscle Oxygenation and Innergy Sport Foam.

**Honors/Awards:**

Red Lerville's/LEQSF Regents Endowed Professorship in Health and Physical Education **2016**

University of Louisiana at Lafayette Undergraduate Research Mini-Grand Award (\$2,000) **2016**

University of Louisiana at Lafayette Outstanding Academic Advisor Award **2016**

National Strength and Conditioning Association (NSCA) National Conference Undergraduate Student Outstanding Poster presentation Award (co-mentor) **2015**

University of Louisiana at Lafayette Outstanding Undergraduate Research Mentor **2014**

University of Louisiana at Lafayette Vesta Bourgeois Research Award (\$5,000) **2014**

University of Louisiana at Lafayette College of Education Summer Research Award (\$4,500) **2014**