

DANIEL A. CONDE

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Citizenship: Mexican; Permanent Resident (USA)

## **EDUCATION**

University of Texas at El Paso, El Paso, TX

Fall 2014

Masters in Science of Kinesiology

Thesis Title: Effects of Electrical Pulse Stimulation on *in vitro* Measurement of Mitochondrial Content and Lipid in Human Myotubes

Mentor: Sudip Bajpeyi, PhD.

University of Texas at El Paso, El Paso, TX

Spring 2010

Bachelors in Science of Kinesiology

Minor: Biology

## **PROFESSIONAL EXPERIENCE**

9/2017 – Present

Exercise Physiology Teaching Assistant; University of Texas at El Paso, El Paso, TX. Department of Kinesiology

9/2014 – 8/2017

Graduate Research Associate; University of Texas at El Paso, El Paso, TX. Interdisciplinary Health Sciences PhD Program

6/2014 – 8/2014

Graduate Research Assistant; University of Texas at El Paso, El Paso, TX. Department of Kinesiology

1/2013 – 4/2014	Exercise Physiology Teaching Assistant; University of Texas at El Paso, El Paso, TX. Department of Kinesiology
9/2012 – 12/2012	Biomechanics Teaching Assistant; University of Texas at El Paso, El Paso, TX. Department of Kinesiology

### **ACADEMIC HONORS AND HIGHLIGHTS**

2017	College of Health Sciences Graduate Enhancement Funds Travel Award; University of Texas at El Paso, El Paso, TX.
2017	Dodson Research Grant; University of Texas at El Paso, El Paso, TX.
2016	Frank B. Cotton Estate Fund Scholarship; University of Texas at El Paso, El Paso, TX.
2015	College of Health Sciences Travel Award; University of Texas at El Paso, El Paso, TX.
2014	College of Health Sciences Research Assistantship; University of Texas at El Paso, El Paso, TX.
2014	College of Health Science Travel Award; University of Texas at El Paso, El Paso, TX.
2014	Federation of American Societies for Experimental Biology Poster Presenter Travel Award; University of Texas at El Paso, El Paso, TX.

### **ABSTRACTS PRESENTED IN SCIENTIFIC MEETINGS**

(†Oral Presentations)

1. **Conde, D.**, Ibarra-Mejia, G., Moore, J. S., Browne, K. Identification of inflammatory biomarkers for the early detection of tendonitis during repetitive manual assembly tasks. *32<sup>nd</sup> International Congress on Occupational Health (ICOH). Dublin, Ireland, April 29 – May 5, 2018. Accepted*
2. † **Conde, D.**, Ibarra-Mejia, G., Moore, J. S., Browne, K. Identification of inflammatory biomarkers for the prevention of tendonitis caused by repetitive

- manual assembly tasks. *6<sup>th</sup> Annual World Conference of the Society for Industrial and Systems Engineering. Herndon, VA, October 19-20, 2017.*
3. **Conde, D.**, Ibarra-Mejia, G., Moore, J. S., Browne, K. Identification of inflammatory biomarkers, changes in heart rate variability and pressure pain threshold during repetitive manual assembly tasks. *Interdisciplinary Health Sciences Doctoral Research Conference. El Paso, TX, September 8, 2017.*
  4. **Conde, D.**, Ibarra-Mejia, G., Moore, J. S., Fernandez, J. E., Marley, R. J. Identification of inflammatory biomarkers for the early detection of tendonitis during repetitive manual assembly tasks. *Interdisciplinary Health Sciences Doctoral Research Conference. El Paso, TX, September 9, 2016.*
  5. **Conde, D.**, Gamboa, C., Covington, J., King, G. A., Varela, Bajpeyi, S. Effect of 11.5 or 30 volts of pulse stimulation on mitochondrial density in vitro. *American College of Sports Medicine. Boston MA, May 30 – June 3 2016.*
  6. **Conde, D.**, Gamboa, C., Covington, J., Rustan, A., King, G. A., Varela, A., Bajpeyi, S. Electrical Pulse Stimulation induced changes on lipid, mitochondrial, GLUT4 and AMPK content in human myotubes. *American College of Sports Medicine. San Diego, CA, May 26-30, 2015*
  7. **Conde, D.**, Gamboa, C., Covington, J., Rustan, A., King, G. A., Varela, A., Bajpeyi, S. 24 hrs of Electrical Pulse Stimulation upregulates GLUT4 and AMPK protein content in human myotubes. *American College of Sports Medicine – Texas chapter. Austin, TX, Feb 26-27, 2015*
  8. **Conde, D.**, Gamboa, C., Covington, J., Rustan, A., King, G. A., Varela, A., Bajpeyi, S. Effects of electrical pulse stimulation on lipid and mitochondrial content in human myotubes. *Keystone Symposia on Mitochondria, Metabolism and Heart Failure, Santa Fe, NM, January 27 – February 1, 2015.*
  9. **Conde, D.**, Gamboa, C., Covington, J., Rustan, A., Varela, A., King, G. A., Bajpeyi, S. Electrical Pulse Stimulation induced improvement in lipid, mitochondrial and AMPK content is dependent on cell harvesting time in human myotubes. *The University of Texas at El Paso Graduate Student Research Expo, El Paso, TX, November 14, 2014.*
  10. † **Conde, D.**, Bajpeyi, S., Gamboa, C., Covington, J., Rustan, A., King, G., Varela, A. Effects of Electrical Pulse Stimulation on *in vitro* measurement of mitochondrial content and lipid in human myotubes. UTEP/Victoria University Symposium – *El Paso, TX, November 19, 2014.*
  11. **Conde, D.**, Gamboa, C., Covington, J., Rustan, A., Varela, A., King, G. A., Bajpeyi, S. Electrical pulse stimulation induced improvement in lipid, mitochondrial and AMPK content is dependent on cell harvest time in human myotubes. *11th Annual Faces of Diabetes Conference, El Paso, TX, October 24, 2014.*
  12. Gamboa, C., **Conde, D.**, Covington, J., Rustan, A., King, G. A., Varela, A., Bajpeyi, S. Electrical pulse stimulation increases in mitochondrial content is not evident in myotubes from donors with type 2 diabetes. *11th Annual Faces of Diabetes Conference, El Paso, TX, October 24, 2014.*
  13. † **Conde, D.**, Bajpeyi, S., Gamboa, C., Covington, J., Rustan, A., King, G., Varela, A. Effects of Electrical Pulse Stimulation on *in vitro* measurement of

- mitochondrial content and lipid in human myotubes. The Healthy Exchange: An Interdisciplinary Forum for Health Research – *El Paso, TX, October 22, 2014.*
14. **Conde, D.**, Covington, J.D., Gamboa, C., King, G.A., Rustan, A.C., Bajpeyi, S. Electrical pulse stimulation induced increase in mitochondrial content is dependent on duration of stimulation. *American College of Sports Medicine – Orlando, FL. May 27-31, 2014.*
  15. **Conde, D.**, Covington, J.D., Gamboa, C., King, G.A., Rustan, A.C., **Bajpeyi, S.** Increase in mitochondrial content after electrical pulse stimulation is dependent on duration of stimulation. *American College of Sports Medicine – Texas chapter. Forth Worth, TX, Feb 27-28, 2014.*