



Curriculum Vitae
Michael J. Sanchez
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EDUCATION

- Ph.D. The University of Texas at El Paso, El Paso, TX. Current.**
Interdisciplinary Health Sciences. Expected graduation Summer 2024.
- M.S. The University of Texas at El Paso, El Paso, TX. 2020.**
Major: Kinesiology
- B.S. The University of Texas at El Paso, El Paso, TX. 2018.**
Major: Kinesiology
Minor: Biology
- A.A. El Paso Community College, El Paso, TX. 2017.**
Associate of Arts

SCHOLARLY ACTIVITY

PUBLICATIONS

1. **Sanchez, M.J.**, Mossayebi, A., Sigaroodi, S., Apaflo, J., Galvan, M.J., Min, K., Agullo, F., Wagler, A., & Bajpeyi, S. (2023). Effects of Neuromuscular Electrical Stimulation on Glycemic Control: A Systematic Review and Meta-Analysis. *Frontiers, Translational Endocrinology*, 14. IF=5.2. Link to Article: <https://pubmed.ncbi.nlm.nih.gov/37583429/>
2. Galvan, M. J., **Sanchez, M. J.**, McAinch, A. J., Covington, J. D., Boyle, J. B., & Bajpeyi, S. (2022). Four weeks of electrical stimulation improves glucose tolerance in a sedentary overweight or obese Hispanic population. *Endocrine Connections*, 11(2). IF=3.335, Q=2. Link to article: [PubMed](#)
3. Montalvo, S., Conde, D., **Sanchez, M.**, Martinez, P., Trevizo, R., & Ibarra-Mejia, G. (2023). Dynamic Stretching Improves Muscle Activation and Pain Pressure Threshold but not Isometric Hand Strength When Compared To Static Stretching. Accepted on February 20th of 2023 in the *Journal of Physical Education and Sport*. IF=1.54, Q=2. Link to article: <https://efsupit.ro/images/stories/februarie2023/Art%2035.pdf>

PUBLICATIONS IN PROGRESS

1. **Sanchez, M.**, Min, K., Valencia, C., Agullo, F., & Ibarra-Mejia, G. Acute Changes in Inflammatory Biomarkers Expression following Surgical Trauma with Use of Compression Garment.

PEER-REVIEW CONFERENCE PROCEEDINGS

1. **Sanchez, M.**, From Face-to-Face to Virtual Space: Development and Evaluation of Online CUREs in STEM" was accepted into the Massachusetts Project Kaleidoscop's Meeting.
2. **Sanchez, M.**, Mossayebi, A., Sigaroodi, S., Galvan, M., Kisuk, M., Agullo, F., Wagler, A., Bajpeyi, S. Effects of Neuromuscular Electrical Stimulation on Insulin Sensitivity and Glycemic Control: A Systematic Review and Meta-Analysis. *American Physiological Society Intersociety Meeting: Integrative Physiology of Exercise, November 9-13, 2020, Virtual.*
3. **Sanchez, M.**, Galvan, M., Tyree, J., Guillen, D., Bajpeyi, S. Time Spent in Moderate to Vigorous Physical Activity is Indicative of Better Metabolic Health. *Obesity Week Annual Meeting, Atlanta, GA. November 3-6, 2020*
4. Bajpeyi, S., Galvan, M., **Sanchez, M.**, Boyle, J., Min, K., Agullo, F., Covington, J. Improvement in glucose metabolism with four weeks of neuromuscular electrical stimulation in sedentary adults. *American Diabetes Association Conference, Chicago, IL. June 12, 2020*
5. **Sanchez, M. J.**, Galvan, M., Gandara, I., Nacim, D., Covington, J., Boyle, J., Agullo, F., Min, K., Bajpeyi, S. Improvement In Insulin Sensitivity With Four Weeks Of Neuromuscular Electrical Stimulation In Overweight/obese Sedentary Adults: 510 Board #326 May 27 10:30 AM - 12:00 PM. *Medicine & Science in Sports & Exercise 52(7S):p 135-136, July 2020. | DOI: 10.1249/01.mss.0000671572.40023.33*
6. **(Finalist for graduate research presentation)**
Sanchez, M. J., Galvan, M., Nacim, D., and Bajpeyi, S. (2020) "Improved Glucose Tolerance and Glucose Utilization with Neuromuscular Electrical Stimulation," *International Journal of Exercise Science: Conference Proceedings: Vol. 2: Iss. 12, Article 85.* Available at: [IJES](#)

PEER-REVIEW LOCAL CONFERENCES

1. **Sanchez, M.**, Olimpo, J. Humanizing Online Education During COVID-19 and beyond. *The University of Texas at El Paso Support for Online Learning (UTEP SOL) Conference 2021. April 21-23, 2021*
2. Reyes, Y., **Sanchez, M.**, Sigaroodi, S., Sepulveda-Rivera, K., Galvan, M., Bajpeyi, S. Morphology of Glucose Response Curve – Relevance to Metabolic Flexibility. *Campus Office of Undergraduate Research Initiatives Summer Symposium, El Paso, TX. July 27, 2020*
3. Sepulveda-Rivera, K., Sigaroodi, S., **Sanchez, M.**, Reyes, Y., Galvan, M., Bajpeyi, S. Monophasic Glucose Response Curve is Reflective of Glucose Intolerance in Adults.

Campus Office of Undergraduate Research Initiatives Summer Symposium, El Paso, TX. July 27, 2020

4. Tyree, J., Guillen, D., Medina, A., **Sanchez, M.**, Bajpeyi, S. Effects of Time Spent in Moderate to Vigorous Physical Activity on Lipid Profile. *Campus Office of Undergraduate Research Initiatives Spring Symposium, El Paso, TX. April 25, 2020*
5. Nacim, D., Galvan, M., **Sanchez, M.**, Bajpeyi, S. Can electrical stimulation induced muscle Contraction improve insulin sensitivity? *Campus Office of Undergraduate Research Initiatives Summer Symposium, El Paso, TX. El Paso, TX. August 3, 2019*

FUNDING / GRANTS / AWARDS

1. Funding Agency: UTEP Dodson Research Grant. University of Texas at El Paso. Title: *Effects of a high fat diet differing in fatty acid composition on skeletal muscle oxidative characteristics*. Fall 2020. Grant Amount: \$3,000
2. American College of Sports Medicine (ACSM) Steven M. Horvath Travel Award recipient. *For work entitled: Improvement in Insulin Sensitivity with Four Weeks of Neuromuscular Electrical Stimulation in Overweight/obese Sedentary Adults*. Spring 2020. Award Amount: \$500
3. Texas American College of Sports Medicine (Texas ACSM) Student Research Development Award (SRDA) recipient. *Project: Neuromuscular Electrical Stimulation: A novel treatment intervention*. Fall 2019. Award Amount: \$1,000

Total amount of funding secured to date: \$4,500

PRESENTATIONS

1. The CURE for metabolic diseases: Implementation and evaluation of an interdisciplinary, research-driven exercise metabolism laboratory course (2021), Volume Virtual, **Michael Sanchez**, Amie M. Kern, Sudip Bajpeyi, Jeffrey T. Olimpo.
2. From face-to-face to virtual space: Development and evaluation of online CUREs in STEM (2021), Volume Virtual, Jeffrey T. Olimpo, Christina E. D'Arcy, Amie M. Kern, Jyoti Ahlawat, Maribel Baeza, Yulu Ge, Vanessa Navarro, **Michael J. Sanchez**, Julie Schlichte, Anahis Tena.
3. Humanizing Online Education: During COVID-19 and beyond. 2021 Sol Conference Volume Virtual. **Michael J. Sanchez**, Jeffrey Olimpo. <https://www.utep.edu/faculty-development/sol/cfp.html>

SCHOLARSHIPS & ASSISTANTSHIPS

1. Research Associate Assistantship. University of Texas at El Paso. 2020-Current

2. Teaching Graduate Assistant. University of Texas at El Paso: Kinesiology Department. 2018-2020
3. El Paso Community College Transfer Scholars in Health Sciences. 2018-2019.
Total amount: \$1,725

PROFESSIONAL EXPERIENCES

Stanford Postdoctoral Recruitment Initiative in Sciences and Medicine (PRISM), Cohort 11. Campus visit and interviews May 9-May 13, 2023

Graduate Research Associate, Interdisciplinary Health Sciences PhD Program. Fall 2020-Current. Ergonomics Molecular Research Laboratory. The University of Texas at El Paso

Mentor, 2019 – 2021

National Institutes of Health (NIH) Building Infrastructure Leading to Diversity: Southwest Consortium of Health-Orientated Education Leaders and Research Scholars (BUILDing SCHOLARS)

Mentor, 2018-2021

Campus Office of Undergraduate Research Initiatives (COURI)

Instructor, Department of Kinesiology 2019-2021

National Institutes of Health (BUILD) & The Howard Hughes Medical Institute (PERSIST) – The Freshman Year Research Intensive Sequence (FYRIS).
Course: BIOL 1107 Topics in Study of Life - Exercise & Metabolism I

Teaching Assistant, Department of Kinesiology; 2018-2021.

Courses: KIN 4334 Coronary Interventions, KIN 4331 Clinical Exercise Physiology, and KIN 4390 Exercise and Metabolism II

Graduate Research Assistant, Department of Kinesiology; 2018 – 2020

Metabolism, Nutrition & Exercise Research (MiNER) Laboratory
The University of Texas at El Paso

Patient Coordinator, 2013-Current

Southwest Plastic Surgery, El Paso, TX. Manager; Bel Adkins; Phone 915-590-7900.

Operation's Manager, 2008-2013

Las Palmas Medical Center – Departments; Wound care, Oncology, Infusion therapy and Hyperbaric Medicine. El Paso, TX. Manager; Mike Flores; Phone 915-521-1210.

Receptionist/Physical Therapy Technician, 2006-2008

El Paso Orthopedic Surgery Group & Center for Sport's Medicine, El Paso, TX. Manager; Kevin Mark; Phone 915-533-7465.

PROFESSIONAL DEVELOPMENT

- **Career Panel Speaker:** American Society of Biochemistry and Molecular Biology. New Mexico State University student chapter. October 17, 2022.
- American College of Sports Medicine Annual Meeting. Orlando, Florida. May 28-June 1, 2019. **Poster Presenter:** Electrical pulse stimulation induced increases in lipid and mitochondria depends on donor's physical activity level.
- Texas Chapter of the American College of Sports Medicine Annual Meeting. Fort Worth, Texas. Feb. 28-March 01, 2019. Attendee.
- Center for the Integration of Research, Teaching, & Learning (CIRTL) Network MOOC, *Advancing Learning Through Evidence-Based Teaching*. Spring 2019.
- American Society of Plastic Surgeons ICD-10 transition Coding Workshop. Phoenix, Arizona. 2014.
- The Aesthetic Society's Aesthetic Meeting. Las Vegas, Nevada. April 2-7, 2016. CME and Patient safety credits.
- American Speech-Language-Hearing Association Convention. San Diego, CA. 2011. Attendee.
- The undersea and Hyperbaric Medicine Society and National Board of Diving and Medical Technology, Peters Educational Group, LLC. Introductory course in Hyperbaric Medicine. January 24, 2012.
- While I was Operation's Manager of The Limb Salvage Center at Las Palmas Medical Center, I was a key contributor to the implementation of policies and procedures for the usage and storage of bioengineered skin substitutes. This was a very crucial component in regard to obtaining clearance and approval from the Joint Commission: Accreditation, Health Care, Certification (JAHCO).

LEADERSHIP

Student Mentorship

During my time as the laboratory lead for The Metabolic, Nutrition and Exercise Research (MiNER) Lab I was tasked with the mentoring of other graduate and undergraduate researchers. My mentoring included assisting in the development and refinement of research questions, teaching measurement techniques, data collection, statistical approaches, results interpretation, and presentation preparation of the abstracts that later went on to be presented at the University of Texas at El Paso Campus Office of Undergraduate Research Initiatives Symposium (COURI) research conference.

Graduate Students	Undergraduate Students
Omar Cano (2023)	Keisha Sepulveda-Rivera (2020)
Sandra Rivera (2023)	Yadira Reyes (2020)
Ali Mossayebi (2020-2021)	Dante Nacim (2020)
Solmaz Sigaroodi (2020-2021)	Joshua Tyree (2020)
Jehu Apaflo (2021)	David Medina (2020)
	Alex Medina (2020)

University Club President: Kinesiology Department. 2017-2019

Being the Club President has allowed me to gain experience leading a group of fellow peers while adhering to the values and visions of said department and University. Faculty Supervisor; Sean Miller, Phone Number 915-747-5454.

COMMUNITY CONTRIBUTIONS

- Hot ticket to women’s health. Las Palmas Medical Center. Health Screener. 2008-2013.
- Limb Salvage conference. Las Palmas Medical Center. Health Screener. 2008-2013.
- Yearly health fairs – SISD, Rosa Guerrero, EPCC and hospital grounded fairs. Health Screener. 2008-2013.
- Southwest Plastic Surgery Health and Beauty Expo. October 16, 2014. Health promotions.
- Live Fit El Paso. Wellness Promotions. May 2015 and May 2016.
- The Smile Network” Smile Gala”. Fundraising Gala for children with Cleft Palate. Volunteer. August 2017.
- UTEP Kinesiology Club President (club involvement and contributions below).

UNIVERSITY KINESIOLOGY CLUB PRESIDENCY

- **Great American Smoke out (GASO)**, November 16, 2017. Performed spirometry tests to measure lung volumes and capacities.
- **The Heart Walk**, February 9, 2018. Walking participant for Kinesiology Club.
- **University Orange & Blue Day Senior Experience**, February 17, 2018. Department club showcase.
- **Tornillo Annual Community Health and Wellness Fair**, March 24, 2018. Body Composition (BIA) assessments. Club participation organizer.

- **Minors Promoting Health**, April 4, 2018. Club showcase.
- **LeBarron Elementary Career Day**, April 20, 2018. Department showcase activity. Club participation organizer.
- **University Orange & Blue Day Junior Experience**, April 21, 2018. Department club showcase
- **University Orange & Blue Day Freshman Experience**, October 27, 2018. Exercise Lab Demonstrations.
- **Minerpalooza**, August 31, 2018. Department club showcase activity and fundraising.
- **The Young Achievers Forum**, February 9, 2019. Department showcase activity. Club participation organizer.

CERTIFICATIONS

- Collaborative Institutional Training Initiative (CITI) Biomedical Science Responsible Conduct of Human Research.
- Basic Life Support (CPR). *Effective Until: 2023*
- Course-Based Undergraduate Research Experience (CURE) Teaching Assistant Learning Community (TALC) Professional Development Program. The Graduate School and the Center for Faculty Leadership and Development at The University of Texas at El Paso. Fall 2020.
- HIPAA Awareness for Healthcare Providers. October 25, 2019.
- Dual-energy X-ray absorptiometry (DEXA) certification. August 22, 2019.
- Center for the Integration of Research, Teaching, & Learning (CIRTL) Network MOOC, *Advancing Learning Through Evidence-Based Teaching*. Spring 2019
- The American Heart Association Heart Saver First Aid CPR AED Program. Valid until 05/2023.

MEDIA CONTRIBUTIONS

- The City Magazine of El Paso. Full page Interview in Featured Profile “Men in Business” Issue. Publication June 2015. (Electronic file or hard copy available upon request).

PROFESSIONAL MEMBERSHIPS

1. American College of Sports Medicine. ACSM ID: 821183.
2. American Physical Therapy Association. APTA Membership #797947.
3. USA Rugby. Southern California GU-Rio Grande Union and Referee Society. College Player Member ID: 2344258.

SOFTWARE PROGRAMS

- IBM SPSS Statistics
- Patient NOW- Electronic Medical Record Systems

LANGUAGE SKILLS

- English first language – Speak, read and write.
- Spanish – Speak, read and write.

REFERENCES

Frank Agullo, MD, FACS. agullo@swplasticsurgery.com
Plastic Surgeon / UTEP Adjunct Faculty for Biomedical Engineering
Southwest Plastic Surgery
El Paso, TX 79936
915-307-0170

Gabriel Ibarra-Mejia, M.D., Ph.D. gabemejia@utep.edu
Current Position: Assistant Professor at the University of Texas at El Paso and Professor at the University Autonomous of Cd. Juarez in Mexico.
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