

GEORGE HAYES CROCKER

(he/him/his)

School of Kinesiology
California State University, Los Angeles

5151 State University Drive

Los Angeles, CA 90032

Email: gcrocke@calstatela.edu

[Lab website](#) | [LinkedIn](#)

EDUCATION

- Ph.D. Molecular, Cellular & Integrative Physiology**, University of California, Davis, 2014
Dissertation: Combined effects of hypoxia, hypercapnia, carbon monoxide and acute lung injury on oxygen transport and aerobic capacity
- M.S. Exercise Science**, University of California, Davis, 2010
Thesis: Effects of hypoxia, hyperoxia, hypercapnia and elevated carboxyhemoglobin concentration on VO₂max and exercise capacity in goats
- B.S. Biology** (honors), University of California, Santa Cruz, 2005
Four-year NCAA student-athlete

EMPLOYMENT HISTORY

California State University, Los Angeles (2016-present)

1. **Associate Professor**, School of Kinesiology, California State University, Los Angeles, 2022-present
2. **Faculty Athletics Representative**, Division of Student Life, California State University, Los Angeles, 2023-present
3. **Graduate Coordinator**, School of Kinesiology, California State University, Los Angeles, 2022-present
4. **Director**, Swim Performance Lab, School of Kinesiology, California State University, Los Angeles, 2018-present
5. **Assistant Professor**, School of Kinesiology, California State University, Los Angeles, 2016-2022

California State University, San Marcos (2014-2016)

6. **Adjunct Professor**, Department of Kinesiology, California State University, San Marcos, 2014-2016

University of California, Davis (2006-2014)

7. **Graduate Student Researcher**, Equine Athletic Performance Lab (PI: James H. Jones), Department of Surgical & Radiological Sciences, School of Veterinary Medicine, University of California, Davis, 2007-13
8. **Teaching Assistant**, Department of Neurobiology, Physiology & Behavior, College of Biological Sciences, University of California, Davis, 2006-07, 2010, 2012-13
9. **Graduate Student Researcher**, Division of Cardiovascular Medicine (PI: Charles L. Stebbins), School of Medicine, University of California, Davis, 2007

Other experience

10. **Ocean Lifeguard/Emergency Medical Technician**, Del Mar, CA, 2001-06, 2014-15
11. **Swim Coach**, Davis Aquatic Masters Swim Team, Davis, CA, 2007-09
12. **Swim Coach**, Rancho San Dieguito Swim Team & Solana Beach Swim Masters, Solana Beach, CA, 2006
13. **Intern**, Marine Mammal Acoustics Lab (PIs: John A. Hildebrand & Sean M. Wiggins), Scripps Institution of Oceanography, University of California, San Diego, Summer 2005
14. **Intern**, Marine Microbial Biology Lab (PI: Jonathan P. Zehr), University of California, Santa Cruz, Spring 2005

HONORS AND AWARDS

1. **Outstanding Teaching Performance**, School of Kinesiology, 2019-20, 2020-21, 2021-22, 2022-23
2. **First Place**, Molecular, Cellular & Integrative Physiology Colloquium Poster Competition, Spring 2011 & Fall 2013
3. **Lifeguard of the Year**, City of Del Mar, 2006
4. **Scholar Athlete Award**, University of California, Santa Cruz 2001-02, 02-03, 03-04, 04-05
5. **Team Captain**, University of California, Santa Cruz Swim Team 2003-04, 04-05

6. **Ted Bramble/Stephanie Miller Award (Motivation and Work Ethic Award)**, University of California, Santa Cruz Swim Team 2001-02

COURSES TAUGHT

Instructor of Record

Cal State LA (Fall 2016 – Present)

Undergraduate

1. **KIN 1066 – Beginning Swimming** (Spring 2023)
2. **KIN 3600 – Physiology of Exercise & Physical Activity** (Fall 2018; Spring & Fall 2019; Spring & Summer 2021; Summer 2022)
3. **KIN 4600 – Principles of Physical Fitness Assessment** (Fall 2016; Spring & Fall 2017; Spring, Summer & Fall 2018; Spring, Summer & Fall 2019; Spring & Fall 2020; Spring & Fall 2021, Spring & Fall 2023, Fall 2024)
4. **KIN 4610 – Advanced Exercise Physiology** (Spring 2018, Spring 2022)
5. **KIN 4960 – Capstone Seminar in Exercise & Human Performance** (Spring 2022; Spring 2023; Spring 2024; Spring 2025)

Graduate

6. **KIN 5030 - Applied Statistics in Kinesiology** (Spring 2024)
7. **KIN 5040 – Research Design in Kinesiology** (Fall 2022)
8. **KIN 5200 – Graduate Seminar in Kinesiology** (Spring & Fall 2018; Spring & Fall 2019; Spring & Fall 2020; Spring & Fall 2021; Spring & Fall 2022)
9. **KIN 5600 – Cardiorespiratory Aspects of Human Performance** (Fall 2021; Fall 2022; Fall 2025)

Cal State San Marcos (Spring 2014 – Summer 2016)

Undergraduate

10. **KIN 202 – Introduction to Physical Education and Kinesiology** (Fall 2014)
11. **KIN 303 – Statistics and Research Methods** (Spring, Summer & Fall 2015; Spring & Summer 2016)
12. **KIN 326 – Introductory Exercise Physiology** (Spring 2014; Spring 2015; Spring 2016)
13. **KIN 403 – Measurement and Evaluation in Kinesiology** (Spring, Summer & Fall 2014)
14. **KIN 426 – Exercise Physiology for Special Populations** (Fall 2015; Spring 2016)

Graduate

15. **MSW 650 – Advanced Research Methods in Social Work** (Summer 2015)

Laboratory Instructor

Cal State LA (Fall 2016 – present)

1. **KIN 4580 – Environmental Exercise Physiology Lab** (Spring 2022)
2. **KIN 4600 – Principles of Physical Fitness Assessment Lab** (Fall 2016; Spring & Fall 2017; Summer 2018; Summer & Fall 2019; Fall 2020; Spring 2023; Fall 2025)
3. **KIN 5600 – Cardiorespiratory Aspects of Human Performance Lab** (Fall 2021; Fall 2022; Fall 2025)

Cal State San Marcos (Spring 2014 – Summer 2016)

4. **KIN 326 – Introductory Exercise Physiology Lab** (Spring 2014; Spring 2015; Spring 2016)

UC Davis (Fall 2006 – Fall 2013)

5. **EXB 104 – Exercise Biology Lab** (Spring 2010; Spring 2013)
6. **EXB 112 – Clinical Exercise Physiology Lab** (Winter 2007; Winter 2013)
7. **NPB 101 – Systemic Physiology Lab** (Fall 2012)

Teaching Assistant

UC Davis (Fall 2006 – Fall 2013)

1. **EXB 10 – Exercise & Fitness: Principles and Practice** (Fall 2006; Fall 2013)
2. **EXB 116 – Exercise Nutrition** (Spring 2007)

GRADUATE STUDENTS MENTORED - (graduation year) - *thesis/project title***Thesis/project advisor** – Cal State LA Kinesiology student unless noted otherwise

1. **Pedro Alcala Leon** (2025) - *Heart rate monitoring in strength & conditioning: a comprehensive review*
2. **Victor Trujillo** (2025; co-advisor with M. Selvan Joseph) - *Hydration behavior following education and the use of a hydration monitoring device*
3. **Toan Le** (2025) - *The effects of a single mindfulness meditation session on perceived stress and heart rate variability in female, first-generation college students*
4. **Herbert Monroy-Chacon** (2024) - *A comparison of swimming economy between two full-sleeve wetsuits*
5. **Efreim Morti** (2024) - *Development of cardiorespiratory fitness posters to enhance kinesiology student learning during maximal aerobic testing*
6. **Gargi Tarani** (2023) - *Evidence-based recommendations for treatment of delayed onset muscle soreness*
7. **Alejandro Villalobos** (2021) - *The effects of listening to music and verbal feedback on swimming performance*
8. **Veronica Pinedo** (2020) - *Factors that predict swimming economy in adult, recreational swimmers*
9. **Merry Bestard** (2020; Nutritional Science) - *The effects of low- and high-carbohydrate diets on swimming economy in trained swimmers*
10. **Daniel Monarrez** (2020) - *Comparison of flume and treadmill testing for maximal aerobic capacity in trained swimmers*
11. **Samuel Bridges** (2019) - *Improvement in swimming economy from using a pull buoy*

Thesis/project committee member – Cal State LA Kinesiology student unless noted otherwise

12. **Troy Maki** (2024) - *The association of wrist proprioception and pitching accuracy in baseball players*
13. **Christina Beltran** (2024) - *Aquatic resistance training program to reduce the likelihood of falls in older adults*
14. **Alexander Derbyshire** (2024) - *Weight-inclusivity in kinesiology professional practice: A comprehensive practical approach*
15. **David de Leon** (2024) - *Health coaching to promote weight-inclusive physical activity among college students*
16. **Harrison Thomas** (2024; Cal State San Marcos) - *Oxygen consumption when utilizing open water lifeguard fins*
17. **Elicet Cifuentes** (2023) - *Critical health education: Using a critical lens to teach young Latinas about the body image*
18. **Cynthia Galvez Lopez** (2023) - *A hydration education intervention for college students*
19. **Juan Lindo** (2023) - *Apologizing in sporting contexts: How to implement cultural humility*
20. **Ignacio Montoya** (2023) - *Can restoration of sexual behavior facilitate synergistic recovery of other organ systems after ten years of complete paralysis?*
21. **Axel Muñoz** (2023) - *The impact of wearing a mask on brain during low and moderate exercise on brain function*
22. **Octavio Zaragoza Rodriguez** (2023) - *Understanding the impact of treadmill and overground training on BDNF, TrkB, and CREB expression in locomotor recovery on severely spinal cord contused rats*
23. **Irvin Jimenez** (2022) - *The importance of integrating high-velocity resistance training into an exercise program for untrained older adults*
24. **Boram Lim** (2022; University of Nevada, Las Vegas, PhD Interdisciplinary Health Science) - *Investigation of swimming physiology and kinematics while wearing different triathlon wetsuits during submaximal front-crawl swimming*
25. **Elena McCracken** (2021) - *Improving total knee replacement recovery through therapeutic neuroscience education*
26. **Zachary Mitsui** (2020) - *Movement analysis: Literature review of current methods and method selection for the practicing athletic trainer*
27. **Alyssa Vaniman** (2020) - *Perceived effectiveness of return to learn guidelines in collegiate athletes following concussions*
28. **Aaron Mathews** (2020) - *The acute effects of high-intensity interval training with a sauna suit on caloric expenditure*
29. **Monder Taleb** (2020) - *Hydration status and fluid intake for collegiate soccer players*
30. **Hai Tran** (2020) - *Brain oxygenation in response to virtual reality and exercise in aging*
31. **Scott Henson** (2019; Point Loma Nazarene University, MA Education) - *Student perceptions of cell phone use*
32. **Lisa Le** (2019) - *Effectiveness of circuit resistance training using elastic bands in individuals with spinal cord injury compared to able-bodied*
33. **Arpie Haroutinian** (2019) - *The effect of heat acclimation and permissive dehydration on intracellular HSP-72 and exercise performance in a temperate environment*
34. **Joshua Hopkins** (2019) - *Digital application applied in administration and athletic director scheduling*
35. **Marney Holley** (2017) - *Women's physique division: A guide to advanced bodybuilding competition preparation*

PUBLICATIONS – ([Google Scholar](#); [ORCID](#); * denotes student co-author)

1. A Derbyshire*, S Lee, M Bejar, S Cordova, & **GH Crocker** (2024). A Weight Inclusive Approach to Applied Sport Psychology. *International Journal for Sport and Exercise Psychology* 1-18. <https://doi.org/10.1080/1612197X.2024.2431256>
2. B Lim*, A Villalobos*, J Mercer & **GH Crocker** (2024). Energetics of swimming and basic stroke kinematics with different styles of wetsuits. *J Strength Cond Res*, 38(10), 1793-1799. <https://doi.org/10.1519/JSC.0000000000004866>
3. A Derbyshire*, S Lee, S Cordova, **GH Crocker**, & L Zuest (2024). Introducing a Weight-Inclusive Paradigm in Sport and Physical Education. *Strategies*, 37(3), 44–48. <https://doi.org/10.1080/08924562.2024.2326349>
4. ARD Matthews*, TA Astorino, **GH Crocker** & AC Sheard (2022). Acute Effects of High-Intensity Interval Exercise While Wearing a Sauna Suit on Energy Expenditure and Excess Post-exercise Oxygen Consumption. *J Strength Cond Res* 36(9), 2427-2433. <https://doi.org/10.1519/JSC.0000000000003834>
5. J Rothschild, AC Sheard & **GH Crocker** (2022). Influence of a 2-km Swim on the Cycling Power-Duration Relationship in Triathletes. *J Strength Cond Res*, 36(5), 1431-1436. <https://doi.org/10.1519/JSC.0000000000003623>
6. **GH Crocker**, JF Moon*, JA Nessler and SC Newcomer (2021). Energetics of swimming with hand paddles of different surface areas. *J Strength Cond Res*, 35(1), 205-211. <https://doi.org/10.1519/JSC.0000000000002637>
7. MA Bestard*, J Rothschild & **GH Crocker** (2020). Effect of low- and high-carbohydrate diets on swimming economy: a crossover study. *J Int Soc Sports Nutr*, 17(64), 1-7. <https://doi.org/10.1186/s12970-020-00392-3>
8. J Rothschild & **GH Crocker** (2019). Effects of a 2-km swim on markers of cycling performance in elite age-group triathletes. *Sports*, 7(4), 1-12. <https://doi.org/10.3390/sports7040082>
9. **GH Crocker**, J Kwon, PH Kass and JH Jones (2017). Ventilatory response to carbon monoxide during exercise in hypoxia and hypercapnia. *Respir Physiol Neurobiol*, 246, 86-91. <https://doi.org/10.1016/j.resp.2017.08.012>
10. DS Asakawa, **GH Crocker**, A Schmaltz* and DL Jindrich (2017). Fingertip forces and completion time for index finger and thumb touchscreen gestures. *Journal of Electromyography and Kinesiology*, 34, 6-13. <https://doi.org/10.1016/j.jelekin.2017.02.007>
11. V Ekmecic*, N Jia*, TG Cleveland*, M Saulino*, JA Nessler, **GH Crocker** and SC Newcomer (2017). Increasing surfboard volume reduces energy expenditure during paddling. *Ergonomics*, 60(9), 1255-1260. <https://doi.org/10.1080/00140139.2016.1261188>
12. CL LaLanne*, MS Cannady*, JF Moon*, DL Taylor*, JA Nessler, **GH Crocker** and SC Newcomer (2017). Characterization of Activity and Cardiovascular Responses During Surfing in Recreational Male Surfers Between the Ages of 18 and 75 Years Old. *Journal of Aging and Physical Activity*, 25(2), 182-188. <https://doi.org/10.1123/japa.2016-0041>
13. **GH Crocker** and JH Jones (2016). Interactive effects of hypoxia, carbon monoxide and acute lung injury on oxygen transport and aerobic capacity. *Respir Physiol Neurobiol*, 225, 31-37. <https://doi.org/10.1016/j.resp.2016.01.005>
14. **GH Crocker** and JH Jones (2014). Effects of oleic acid-induced lung injury on oxygen transport and aerobic capacity. *Respir Physiol Neurobiol*, 196, 43-49. <https://doi.org/10.1016/j.resp.2014.02.012>
15. **GH Crocker** and JH Jones (2014). Hypoxia and CO alter O₂ extraction but not peripheral diffusing capacity during maximal aerobic exercise. *Eur J Appl Physiol*, 114, 837-845. <https://doi.org/10.1007/s00421-013-2799-0>
16. **GH Crocker**, B Toth and JH Jones (2013). Combined effects of altered inspired oxygen, carbon dioxide and carbon monoxide on oxygen transport and aerobic capacity. *J Appl Physiol*, 115(5), 643–652. <https://doi.org/10.1152/jappphysiol.01407.2012>

MANUSCRIPTS IN PREPARATION - (* denotes student co-author)

1. H Thomas*, SC Newcomer, JA Nessler & **GH Crocker**. Energy expenditure when kicking with lifeguard fins.
2. H Monroy-Chacon*, Y Ramirez & **GH Crocker**. A comparison of swimming economy between two full-sleeve wetsuits.
3. SW Bridges*, DJ Monarrez*, CA Simmons & **GH Crocker**. Improvement in swimming economy from using a pull buoy.
4. DJ Monarrez*, LD Dominguez*, VA Pinedo*, CA Simmons, AC Sheard & **GH Crocker**. Maximal aerobic capacity in swimmers measured while running and swimming.
5. M Mildenhall*, JA Rothschild, JH Jones & **GH Crocker**. Effects of hypoxia and carbon monoxide on critical velocity.

GRANTS AWARDED

1. **Cal State LA - Provost's Faculty Fellows Award (2024) - Development of cold water immersion research at Cal State LA.** Principal Investigator (\$15,000)
2. **Cal State LA - Research, Scholarship and Creative Activities Mini-Grant (2024) - Continuation of swimming-related research at Cal State LA.** Principal Investigator (\$5,000)

3. **Cal State LA - Faculty-Led Curriculum Redesign (2022)** - *Address equity gaps and graduation rates in our Kinesiology and Exercise Science majors.* Co-investigator with Stefan Keslacy & Ray de Leon (\$8,000)
4. **Cal State LA – Research, Scholarship and Creative Activities Mini-Grant (2017)** - *Establish a swimming research program on the Cal State LA campus.* Principal Investigator (\$5,000)
5. **CSU San Marcos – Cougars Affordable Learning Materials Grant (2015)** - *Redevelopment of KINE 202 – Introduction to Kinesiology to reduce costs of learning materials.* Co-Investigator with Tony Ordas, Jeff Nessler & Todd Astorino (\$3,000)

PROFESSIONAL SERVICE – (number of reviews)

1. Ad hoc reviewer *Journal of Strength & Conditioning Research* (8)
2. Ad hoc reviewer *International Journal of Environmental Research and Public Health* (5)
3. Ad hoc reviewer *Sports* (1)
4. Ad hoc reviewer *Social Sciences* (1)
5. Ad hoc reviewer *Scientific Reports* (1)
6. Ad hoc reviewer *International Journal of Sports Physiology & Performance* (1)
7. Ad hoc reviewer *International Journal of Sports Medicine* (1)
8. Ad hoc reviewer *Sports Engineering* (1)
9. Ad hoc reviewer *Sustainability* (1)
10. Ad hoc reviewer *BMC Sports Science, Medicine and Rehabilitation* (1)
11. Ad hoc reviewer *Sports Medicine* (1)

DEPARTMENT, COLLEGE & UNIVERSITY SERVICE

Department of Kinesiology (KIN)

1. KIN RTP “A2” Committee – 2022-23; 2023-24 (chair); 2024-25 (chair); 2025-26
2. KIN RTP “B” Committee – 2018-19; 2019-20 (chair); 2020-21; 2022-2023; 2023-24; 2024-25 (chair); 2025-26
3. KIN Graduate Program Coordinator – 2022-23; 2023-24; 2024-25
4. KIN School Director Search Advisory Committee – 2024
5. KIN Assessment Coordinator – 2017-18; 2018-19; 2019-20; 2020-21; 2021-22
6. KIN Self-Study Report Committee – 2017-18
7. KIN Scholarship Committee – 2016-17; 2017-18; 2020-21; 2023-24
8. KIN Graduate Admissions Committee – 2017-18; 2018-19; 2019-20; 2020-21; 2021-22; 2022-23 (chair); 2023-24 (chair); 2024-25 (chair)
9. KIN Curriculum Committee – 2019-20, 2020-21, 2021-22, 2024-25, 2025-26

Rongxiang Xu College of Health & Human Services (HHS)

10. HHS RTP “B” Committee – 2022-23
11. HHS Emeritus Faculty Review Committee – 2021-22; 2022-23
12. HHS Program Assessment Committee – 2020-21
13. HHS Dean’s Retention, Tenure & Promotion Taskforce: Teaching Subcommittee – 2017-18; 2018-19
14. HHS Undergraduate Curriculum Committee – 2017-18
15. HHS Graduate Curriculum Committee – 2018-19; 2019-20; 2021-22
16. HHS Commencement Hooder, 2023
17. HHS Banner Carrier Escort – 2017
18. HHS Banner Carrier – 2018 & 2019

California State University, Los Angeles (Cal State LA)

19. Cal State LA Faculty Athletics Representative – 2023-24, 2024-25, 2025-26
20. Cal State LA Library Subcommittee - 2025-present
21. Cal State LA Intercollegiate Athletics Board (2018-19; 2019-20; 2020-21; 2021-22; 2023-24 (chair); 2024-25 (chair)
22. Cal State LA Graduate Studies Subcommittee (HHS representative – 2023)
23. Cal State LA RSCA Student research competition judge (Posters 2019, 2023, 2025; Orals 2020)
24. Cal State LA Howard Hughes Medical Institute - Inclusive Excellence and Equity Fellows Program (Cohort 3)

CERTIFICATIONS

1. United States Masters Swimming - Level 1 Coach
2. Adult Mental Health First Aid USA
3. Basic Life Support (Adult/Pediatric/Infant CPR/AED)
4. Center for Effective Teaching & Learning (CETL) Alt-instruction certification
5. Center for Effective Teaching & Learning (CETL) Designing Online Courses program
6. CITI Biomedical training
7. Undocumented Students Ally Training
8. Beyond Basic Training
9. Veteran's Network Ally Training
10. Emergency Medical Technician-Basic (2006-2010)
11. SCUBA
12. Nature Unplugged Advocate

REFEREED ABSTRACTS – (* denotes student co-author)

1. Y Ramirez*, P Ramirez* & **GH Crocker**. Immediate vs. Delayed Cold-water Immersion on Muscle Soreness and Power Following Plyometric Exercise. *Annual Meeting of the American College of Sports Medicine*; Salt Lake City, UT: May 2026.
2. Y Ramirez*, A Lenon*, S Tanaka*, MM Minor*, R Gonzalez*, I Farias-Martinez*, R Brodeyan & **GH Crocker**. The Physiological Responses to Cold-Water Immersion and Subsequent Rest or Exercise. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Burbank, CA: October 2025.
3. TD Le*, C Mendoza*, S Lee, MS Joseph & **GH Crocker**. The Effects of a Single Mindfulness Meditation Session on Perceived Stress and Heart Rate Variability in Female, First-Generation College Students. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Newport Beach, CA: October 2024.
4. VA Trujillo*, CG Lopez*, AC Lenon*, BF Bender, S Lee, **GH Crocker** & MS Joseph. Hydration Behavior Following Education and the Use of a Hydration Monitoring Device. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Newport Beach, CA: October 2024.
5. A Derbyshire*, S Lee, S Cordova and **GH Crocker**. Weight Inclusivity In The Running Industry: A Professional Development Training Program. *Social Justice through Sport and Exercise Psychology Virtual Symposium*; March 2024
6. H Monroy-Chacon*, BS Chang*, JP Lindo*, A Sanchez*, A Benitez*, MS Joseph and **GH Crocker**. A comparison of swimming economy between two full-sleeve wetsuits. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Newport Beach, CA: October 2022
7. B Lim*, A Villalobos*, **GH Crocker** and J Mercer. Investigation of swimming economy while wearing different triathlon wetsuit styles at submaximal front crawl swimming. *Annual Meeting of the American College of Sports Medicine*; San Diego, CA: June 2022
8. B Lim*, A Villalobos*, **GH Crocker** and J Mercer. Investigation of swimming economy while wearing different triathlon wetsuit styles at submaximal front crawl swimming. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Newport Beach, CA: October 2021
9. **GH Crocker**, J Rothschild and AC Sheard. Effect of a 2-km swim on the cycling power-duration relationship. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Newport Beach, CA: October 2019
10. DJ Monarrez*, LD Dominguez*, MA Bestard*, VL Pinedo*, CA Simmons and **GH Crocker**. Swim or Run? Comparison of Flume and Treadmill Maximal Aerobic Capacities in Trained Swimmers. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Newport Beach, CA: October 2019
11. LD Dominguez*, AO Mejia*, DJ Monarrez*, HS Francisco*, CA Simmons and **GH Crocker**. Swimming with a Snorkel Designed for Metabolic Testing Liberates Respiratory Rate from Stroke Rate. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Newport Beach, CA: October 2019
12. SW Bridges*, DJ Monarrez*, CA Simmons and **GH Crocker**. Improvement in swimming economy from using a pull buoy. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Costa Mesa, CA: October 2018
13. DA Asakawa, **GH Crocker**, A Schmaltz* and DL Jindrich. Characterization of force and impulse for touchscreen gestures. *Annual meeting of the American Society of Biomechanics*; Boulder, CO: August 2017
14. JF Moon*, N Jia*, AC Rice*, AV Flores*, LJ Corona*, DL Delgado*, MG Becker, JA Nessler, SC Newcomer and **GH Crocker**. Energetics of swimming with different size hand paddles. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Costa Mesa, CA: October 2016

15. JH Jones, **GH Crocker** and LS Barter. Measuring pulmonary diffusing capacity with a rebreathing method in awake animals. *Australia/New Zealand Society for Comparative Physiology and Biochemistry Annual Meeting*; Fowlers Gap, NSW, AUS: December 2015
16. V Ekmecic*, N Jia*, TG Cleveland*, ML Saulino*, JA Nessler, **GH Crocker** and SC Newcomer. Increasing surfboard volume reduces energy expenditure and alters biomechanics during paddling. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Costa Mesa, CA: October 2015
17. CL LaLanne*, MS Cannady*, DL Taylor*, JA Nessler, **GH Crocker** and SC Newcomer. Characterization of surfing heart rate and activity across age groups. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Costa Mesa, CA: October 2015
18. JF Moon*, J Cayabyab*, JL Cardinal*, JA Nessler, **GH Crocker** and SC Newcomer. Impact of aging on recreational surfers $\dot{V}O_{2peak}$ during simulated paddling. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Costa Mesa, CA: October 2015
19. EL Bethke*, KC Resari*, W Amador*, CD Walls*, NJ Ferro* and **GH Crocker**. Caffeine ingestion increases mean power but not critical power in female college students. *Annual Meeting of the American College of Sports Medicine*; San Diego, CA: May 2015
20. EL Bethke*, KC Resari*, W Amador*, CD Walls*, NJ Ferro* and **GH Crocker**. Caffeine ingestion increases mean power but not critical power in female college students. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Costa Mesa, CA: October 2014
21. **GH Crocker** and JH Jones. Combined effects of hypoxia, carbon monoxide and acute lung injury on O_2 transport and aerobic capacity. *Experimental Biology*; San Diego, CA: April 2014.
22. **GH Crocker** and JH Jones. Hypoxia and CO alter O_2 extraction but not peripheral diffusing capacity during maximal exercise. *Annual Meeting of the American College of Sports Medicine*; Indianapolis, IN: May 2013.
23. **GH Crocker** and JH Jones. Effects of oleic acid-induced lung injury on aerobic capacity. *Annual Meeting of the American College of Sports Medicine*; Indianapolis, IN: May 2013.
24. **GH Crocker** and Jones JH. Factors limiting maximal aerobic capacity: cardiopulmonary or peripheral? *The American Physiological Society Conference on the Integrative Biology of Exercise – VI*; Westminster, CO: October 2012.
25. **GH Crocker**, B Toth, SM Nye, MV Hayes, EM Jones, SH Perloff and JH Jones. More is less: Combined effects of hypoxia and carbon monoxide on aerobic capacity. *American College of Sports Medicine Conference on the Integrative Physiology of Exercise*; Miami Beach, FL: September 2010.
26. J Kwon, **GH Crocker**, MV Hayes, EM Jones, SM Nye, SH Perloff, B Toth and JH Jones. Carbon monoxide stimulates ventilation during exercise but not at rest. *American College of Sports Medicine Conference on the Integrative Physiology of Exercise*; Miami Beach, FL: September 2010.
27. **GH Crocker**, MV Hayes, RE Weems and JH Jones. Effects of hypoxia on $\dot{V}O_{2max}$ and lactate accumulation rate in exercising goats. *The American Physiological Society Conference on the Integrative Biology of Exercise – V*; Hilton Head, SC: September 2008.