GEORGE HAYES CROCKER

(he/him/his)

School of Kinesiology
California State University, Los Angeles
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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; two-year team captain

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

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. **Yezica Ramirez** (2026) - *Immediate vs. delayed cold-water immersion on muscle soreness and power following plyometric exercise*
2. **Pedro Alcala Leon** (2025) - *Heart rate monitoring in strength & conditioning: a comprehensive review*
3. **Victor Trujillo** (2025; co-PI with M. Selvan Joseph) - *Hydration behavior following education and the use of a hydration monitoring device*
4. **Toan Le** (2025) - *The effects of a single mindfulness meditation session on perceived stress and heart rate variability in female, first-generation college students*
5. **Herbert Monroy-Chacon** (2024) - *A comparison of swimming economy between two full-sleeve wetsuits*
6. **Efreim Morti** (2024) - *Development of cardiorespiratory fitness posters to enhance kinesiology student learning during maximal aerobic testing*
7. **Gargi Tarani** (2023) - *Evidence-based recommendations for treatment of delayed onset muscle soreness*
8. **Alejandro Villalobos** (2021) - *The effects of listening to music and verbal feedback on swimming performance*
9. **Veronica Pinedo** (2020) - *Factors that predict swimming economy in adult, recreational swimmers*
10. **Merry Bestard** (2020; Nutritional Science) - *The effects of low- and high-carbohydrate diets on swimming economy in trained swimmers*
11. **Daniel Monarrez** (2020) - *Comparison of flume and treadmill testing for maximal aerobic capacity in trained swimmers*
12. **Samuel Bridges** (2019) - *Improvement in swimming economy from using a pull buoy*

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

13. **Troy Maki** (2024) - *The association of wrist proprioception and pitching accuracy in baseball players*
14. **Christina Beltran** (2024) - *Aquatic resistance training program to reduce the likelihood of falls in older adults*
15. **Alexander Derbyshire** (2024) - *Weight-inclusivity in kinesiology professional practice: A comprehensive practical approach*
16. **David de Leon** (2024) - *Health coaching to promote weight-inclusive physical activity among college students*
17. **Harrison Thomas** (2024; Cal State San Marcos) - *Oxygen consumption when utilizing open water lifeguard fins*
18. **Elicet Cifuentes** (2023) - *Critical health education: Using a critical lens to teach young Latinas about the body image*
19. **Cynthia Galvez Lopez** (2023) - *A hydration education intervention for college students*
20. **Juan Lindo** (2023) - *Apologizing in sporting contexts: How to implement cultural humility*
21. **Ignacio Montoya** (2023) - *Can restoration of sexual behavior facilitate synergistic recovery of other organ systems after ten years of complete paralysis?*
22. **Axel Muñoz** (2023) - *The impact of wearing a mask on brain during low and moderate exercise on brain function*
23. **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*
24. **Irvin Jimenez** (2022) - *The importance of integrating high-velocity resistance training into an exercise program for untrained older adults*
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. HC Thomas*, IO Martinez*, SC Newcomer, JA Nessler & **GH Crocker** (2026). Energy expenditure when kicking with lifeguard fins. *Frontiers in Sports & Active Living* 8:1841097. https://doi.org/10.3389/fspor.2026.1841097

2. 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
3. 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
4. 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
5. 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
6. 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
7. **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
8. 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
9. 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
10. **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
11. 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
12. 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
13. 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
14. **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
15. **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
16. **GH Crocker** and JH Jones (2014). Hypoxia and CO alter O_2 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
17. **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/japplphysiol.01407.2012

SUBMITTED MANUSCRIPTS - (* denotes student co-author)

1. H Monroy-Chacon*, Y Ramirez* & **GH Crocker**. A comparison of swimming economy between two full-sleeve wetsuits. *J Strength Cond Res - submitted 3/13/2026; resubmitted 6/4/2026*

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

1. SW Bridges*, DJ Monarrez*, CA Simmons & **GH Crocker**. Improvement in swimming economy from using a pull buoy.
2. DJ Monarrez*, LD Dominguez*, VA Pinedo*, CA Simmons, AC Sheard & **GH Crocker**. Maximal aerobic capacity in swimmers measured while running and swimming.
3. M Mildenhall*, JA Rothschild, JH Jones & **GH Crocker**. Effects of hypoxia and carbon monoxide on critical velocity.

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. https://digitalcommons.wku.edu/ijesab/vol14/iss5/87
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*; Irvine, CA: October 2024. https://digitalcommons.wku.edu/ijesab/vol14/iss4/164
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*; Irvine, CA: October 2024. https://digitalcommons.wku.edu/ijesab/vol14/iss4/163
5. H Thomas*, **GH Crocker**, J Nessler & S Newcomer. Oxygen consumption when Utilizing Open Water Lifeguard Fins. *Annual Meeting of the American College of Sports Medicine*; Boston, MA: May 2024. https://doi.org/10.1249/01.mss.0001061636.89240.b1
6. 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.
7. H Monroy-Chacon*, BS Chang*, JP Lindo*, A Sanchez*, A Benítez*, 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*; Irvine, CA: October 2022. https://digitalcommons.wku.edu/ijesab/vol14/iss2/149
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 American College of Sports Medicine*; San Diego, CA: June 2022.
9. 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*; Irvine, CA: October 2021. https://digitalcommons.wku.edu/ijesab/vol14/iss1/37
10. **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*; Irvine, CA: October 2019
11. 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*; Irvine, CA: October 2019. https://doi.org/10.1249/01.mss.0000670584.27840.5b
12. 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*; Irvine, CA: October 2019.
13. 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.
14. 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.
15. 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.
16. 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
17. 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
18. 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
19. JF Moon*, J Cayabyab*, JL Cardinal*, JA Nessler, **GH Crocker** and SC Newcomer. Impact of aging on recreational surfers VO_{2peak} during simulated paddling. *Annual Meeting of the Southwest Chapter of the American College of Sports Medicine*; Costa Mesa, CA: October 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 American College of Sports Medicine*; San Diego, CA: May 2015
21. 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. https://doi.org/10.1249/01.mss.0000476948.10310.87
22. **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.
23. **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.
24. **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.
25. **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.
26. **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.
27. 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. https://doi.org/10.1249/01.MSS.0000389531.51884.bc
28. GH Crocker, MV Hayes, RE Weems and JH Jones. Effects of hypoxia on $\dot{V}O_2$max and lactate accumulation rate in exercising goats. *The American Physiological Society Conference on the Integrative Biology of Exercise – V*; Hilton Head, SC: September 2008.

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 completed*)

1. Ad hoc reviewer *Journal of Strength & Conditioning Research (11)*
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)*
12. Ad hoc reviewer *Applied Sciences (1)*

DEPARTMENT, COLLEGE & UNIVERSITY SERVICE

Department of Kinesiology (KIN)

1. KIN RTP "A2" Committee – 2022-23; 2023-24 (chair); 2024-25 (chair); 2025-26, 2026-27
2. KIN RTP "B" Committee – 2018-19; 2019-20 (chair); 2020-21; 2022-23; 2023-24; 2024-25 (chair); 2025-26, 2026-27
3. KIN Graduate Program Coordinator – 2022-23; 2023-24; 2024-25; 2025-26
4. KIN Graduate Admissions Committee – 2017-18; 2018-19; 2019-20; 2020-21; 2021-22; 2022-23 (chair); 2023-24 (chair); 2024-25 (chair)
5. KIN Undergraduate Curriculum Committee – 2019-20, 2020-21, 2021-22
6. KIN Graduate Curriculum Committee - 2024-25, 2025-26, 2026-27
7. KIN School Director Search Advisory Committee – 2024
8. KIN Assessment Coordinator – 2017-18; 2018-19; 2019-20; 2020-21; 2021-22
9. KIN Scholarship Committee – 2016-17; 2017-18; 2020-21; 2023-24
10. KIN Self-Study Report Committee – 2017-18

Rongxiang Xu College of Health & Human Services (HHS)

11. HHS RTP "B" Committee – 2022-23
12. HHS Emeritus Faculty Review Committee – 2021-22; 2022-23
13. HHS Program Assessment Committee – 2020-21
14. HHS Dean's Retention, Tenure & Promotion Taskforce: Teaching Subcommittee – 2017-18; 2018-19
15. HHS Undergraduate Curriculum Committee – 2017-18; Spring 2022
16. HHS Graduate Curriculum Committee – 2018-19; 2019-20; Fall 2021
17. HHS Commencement Hooder, 2023, 2025
18. HHS Commencement Banner Carrier Escort – 2017
19. HHS Commencement Banner Carrier – 2018 & 2019

California State University, Los Angeles (Cal State LA)

20. Cal State LA Faculty Athletics Representative – 2023-24, 2024-25, 2025-26, 2026-27
21. Cal State LA Library Subcommittee - 2025-26, 2026-27
22. Cal State LA Intercollegiate Athletics Board (2018-19; 2019-20; 2020-21; 2021-22; 2023-24 (chair); 2024-25 (chair), 2025-26 (chair), 2026-27 (chair)
23. Cal State LA Graduate Studies Subcommittee (HHS representative – 2023)
24. Cal State LA RSCA Student research competition judge (Posters 2019, 2023, 2025; Orals 2020)

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. Emergency Medical Technician-Basic (2006-2010)

PROFESSIONAL DEVELOPMENT

1. Faculty Athletics Representative Fellows Institute - Fall 2025
2. Cal State LA Howard Hughes Medical Institute - Inclusive Excellence and Equity Fellows Program (Cohort 3)
3. Center for Effective Teaching & Learning (CETL) Alt-instruction certification
4. Center for Effective Teaching & Learning (CETL) Designing Online Courses program
5. HHMI Inclusive Excellence Program
6. CITI Biomedical Training
7. Undocumented Students Ally Training
8. Beyond Basic Training
9. Veteran's Network Ally Training

MEDIA APPEARANCES & INTERVIEWS

1. "Do You Really Need to Avoid Eating Before You Swim?," Everyday Health. (July 29, 2026). https://www.everydayhealth.com/healthy-living/do-you-really-need-to-avoid-eating-before-swimming/
2. "George Crocker: What matters to George?," UC Davis Graduate Studies. (July 7, 2014). https://grad.ucdavis.edu/news/george-crocker