

# CURRICULUM VITAE

University of Idaho

**NAME:** Joshua P. Bailey

**DATE:** Feb 2, 2022

**RANK OR TITLE:** Assistant Professor

**DEPARTMENT:** Movement Sciences

**OFFICE LOCATION AND CAMPUS ZIP:** PEB 208; PEB113A  
875 Perimeter Drive  
Moscow, ID 83844-2401

**OFFICE PHONE:** 208-885-1053

**FAX:** 208-885-6761

**EMAIL:** joshuabailey@uidaho.edu

**DATE OF FIRST EMPLOYMENT AT UI:** 8/7/2017

**DATE OF TENURE:** Untenured

**DATE OF PRESENT RANK OR TITLE:** 8/7/2017

## **EDUCATION BEYOND HIGH SCHOOL:**

### **Degrees:**

Doctor of Philosophy in Kinesiology, University of Nevada, Las Vegas, Las Vegas, NV, 2017.

Master of Science, University of Nevada, Las Vegas, Las Vegas, NV, 2014, Kinesiology – Biomechanics.

Bachelor of Science, University of Nevada, Las Vegas, Las Vegas, NV, 2011, Kinesiology – Fitness Management

### **Certificates and Licenses:**

Certified Strength & Conditioning Specialist - National Strength & Conditioning Association 2022

National Strength & Conditioning Association – Certified Personal Trainer 2007 - Present

IRONMAN Certified Coach – 2016-2018

UNLV Graduate College Mentorship Certificate – 2017

UNLV Graduate College Research Certificate – 2017

### **EXPERIENCE:**

#### **Teaching, Extension and Research Appointments:**

Assistant Professor, College of Education, Health and Human Sciences, Department of Movement Sciences,  
University of Idaho, Moscow, ID, August 2017 – Present.

Graduate Assistant, Department of Kinesiology and Nutrition Sciences, University of Nevada, Las Vegas, NV,  
2012-2017.

### **TEACHING ACCOMPLISHMENTS:**

**Areas of Specialization:** Biomechanics, Coordination of movement patterns, Functional Movement Analysis,  
Strength & Conditioning

### **Courses Taught:**

University of Idaho, Department of Movement Sciences

PEP 407/507 – Sports Biomechanics (Fall 2018-2021) Grad/UG

PEP 300 – Applied Human Anatomy & Biomechanics (Fall, 2017 - Present)

PEP 300 – Online Applied Human Anatomy & Biomechanics (Summer 2018 - 2021)

PEP 360 – Motor Behavior (Spring, 2018 - Present)

PEP 409 – Concepts of Strength & Conditioning (Spring, 2018-Present)

University of Nevada Las Vegas, Department of Kinesiology and Nutrition Sciences

KIN 456/656 Biomechanics of Endurance Performance (Spring 2017)

KIN 356 Undergraduate Biomechanics (Spring 2016)

KIN 457/657 Physiology of Endurance Performance (Fall 2015 & 2016)

KIN 743 Research Techniques of Biomechanics, TA (Spring 2015)

KIN 346L Undergraduate Biomechanics Lab (Fall 2012 – Spring 2014)

**Students Advised:**

**Undergraduate Students:** (number per year, advised to completion)

University of Idaho

21 students, (Fall 2019)

18 students, 2 BS-ESHS (Spring 2019)

14 students, 1 BS-ESHS (Fall 2018)

5 students (Spring 2018)

**Graduate Students:**

**Advised to completion of degree-major professor**

Youngmin Chun, PhD, Education, Health and Human Sciences – Exercise Science (Summer 2021) *PhD*

Alexandra Holmes, MS, Movement and Leisure Science (Summer 2021) *Thesis*

Natsumi Kuribayashi, MS, Movement and Leisure Science (Spring 2021) *Non-Thesis*

Noah Croninger, MS, Movement and Leisure Science (Spring 2021) *Non-Thesis*

Logan Prinns, MS, Movement and Leisure Science (Fall 2020) *Non-Thesis*

Roxanne Maslikowski, MS, Movement and Leisure Science (Spring 2020) *Non-Thesis*

**Advised as major professor, in progress**

Ashley Reeves, PhD, Education, Health and Human Sciences – Exercise Science (2021 – Present)

Nickolai Martonick, PhD, Education, Health and Human Sciences – Exercise Science (2019- Present)

Lukas Krumpl, PhD, Education, Health and Human Sciences – Exercise Science (2019- Present)

Elmer Chavez, MS, Movement and Leisure Science (2021 – Present) *Thesis*

Madeline Dustin, MS, Movement and Leisure Science (2020 – Present) *Thesis*

**Served on graduate committee**

Chris Alfeiro, PhD, Education, Health and Human Sciences – Exercise Science (Spring 2022)

Sam Brooks, PhD, Education, Health and Human Sciences – Exercise Science (Spring 2021)

Chad Skiles, MS, Movement and Leisure Science, (Spring 2020)

Ike Brown, MS, Biology – Biological Sciences (Fall 2019)

**Graduate student committee member, in progress**

Hallie Elizabeth Music, MS Kinesiology, WSU (2020 – Present) *Thesis*

**Research Mentor:**

University of Idaho

*Undergraduate Student Research Mentor*

Lenah Matz, *UI SURF Grant*, (Summer 2021)

Anna Drapeau, Movement Sciences Internship, (Fall 2020)

Justin Lyons, Department of Biological Science, *Beckman Scholars Award*, (Summer 2020-Summer 2021)

Aurora Mackie-Meuler, Movement Sciences Program Practicum (Fall 2019),

*OURS Grant*/Program Internship (Spring 2020)

Madeline Bryant, Movement Sciences Program Practicum (Fall 2019),

*OURS Grant* (Spring 2020)

Elmer Chavez, Movement Sciences, 2018-2019  
 Eric Hale, Movement Sciences Program Practicum, Fall 2019  
 Quinn Pearlstein, Movement Sciences Program Practicum, Fall 2019  
 Erin Langley, Movement Sciences Program Practicum, Fall 2019  
 Malaina Thacker, Movement Sciences Program Practicum, Fall 2019  
 Anna Huckabee, Movement Sciences Program Practicum, Fall 2019  
 Emily Kaschmitter, Movement Sciences Program Practicum, Fall 2019  
 Sierra Stevens, Movement Sciences Program Practicum, Fall 2019  
 Shayna Allert, Movement Sciences Program Practicum, Spring 2019  
 Alexis Creighton, Movement Sciences Program Practicum, Spring 2019  
 Jared Gott, Movement Sciences Program Practicum, Spring 2019  
 Mathew Hurd, Movement Sciences Program Internship (180 hours), Spring 2019  
 Katelyn Lechtenberg, Movement Sciences Program Internship (180 hours), Spring 2019  
 Madeline Dustin, Movement Sciences Program Practicum, Fall 2018- Fall 2019  
 Rebecca Adami, Movement Sciences, 2018  
 Georgia Filler, Movement Sciences Program Practicum, 2018  
 Valerie Zwaanstra, Movement Sciences Program Practicum, 2018  
 Leah Fisk, Movement Sciences Program Practicum, 2018  
 Alex Gwin, Movement Sciences Program Practicum, 2018  
 Liz Short, *OURS Grant*/Movement Sciences Program Internship (200 hours), 2018  
 Rebecca Storm, Movement Sciences, 2018

#### *Graduate Student Research Mentor*

Zach Havlovick, MS1, Idaho WWAMI Medical Student (Summer 2021)  
 Cory T. Johannsen, MS1, Alaska WWAMI Medical Student (Summer 2021)  
 Nickolai Martonick, PhD, Education, Health and Human Sciences – Exercise Science (2019- Present)  
 Lukas Kruppl, PhD, Education, Health and Human Sciences – Exercise Science (2019- Present)  
 Youngmin Chun, PhD, Education, Health & Human Sciences- Exercise Science, (2018-Present)  
 Jennifer Sheasley, MS1, Alaska WWAMI Medical Student (Summer 2020)  
 Elmer Chavez, MS, Movement and Leisure Science (2020 – Present)  
 Madeline Dustin, MS, Movement and Leisure Science (2020 – Present)  
 Alexandra Holmes, MS, Movement and Leisure Science (2019 – Present)

#### **Courses Developed:**

##### *University of Idaho*

PEP 360 (Online) Motor Behavior (Summer 2019)  
 PEP 407/507 Sports Biomechanics (Fall 2018)  
 PEP 300 (Online) Applied Human Anatomy & Biomechanics (Summer 2018)

#### **Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:**

Bailey, JP. (Spring 2022). *Air Force Exercise programming seminar*, AFROTC Detachment 905, University of Idaho/Washington State University  
 Bailey, JP. (Spring 2022). *Air Force ROTC Airmen Health & Fitness Cohort Intervention*, AFROTC Detachment 905, University of Idaho/Washington State University  
 Bailey, JP (Fall 2021). *Run to improve your running workshop*. Army ROTC University of Idaho.  
 Bailey, JP. (Fall 2018). *Proper running form...does one size fit all?* University of Idaho, *NROTC*  
 Bailey, JP. (Spring 2018). *Do you run the way you were intended?* University of Idaho, *ISEM 301: The Holistic Athlete*.  
 Bailey, JP. (September 2016). *Gait & Footwear*. University of Nevada, Las Vegas undergraduate course. *SIM 386 – Assessment and Evaluation of Lower Extremity Injuries*.  
 Bailey, JP & Soucy, M. (Summer 2016). *Research Misconduct*. Stanford University, NIH/NIDDK & Short-Term Research Experience for Underrepresented Persons (STEP-UP) webinar series.  
 Bailey, JP & Soucy, M. (Summer 2015). *Organization: as it relates to research design*. Stanford University, NIH/NIDDK & Short-Term Research Experience for Underrepresented Persons (STEP-UP) webinar series.

#### **Honors and Awards:**

UWSOM Triple Outstanding Research Mentor Award, University of Washington School of Medicine, 2021

NROTC Faculty Recognition, University of Idaho, 2020  
Outstanding Faculty Award, Fraternity & Sorority Life, University of Idaho, 2019  
NROTC Faculty Recognition, University of Idaho, 2019

#### SCHOLARSHIP ACCOMPLISHMENTS:

##### Publications, Exhibitions, Performances, Recitals:

##### Refereed/Adjudicated:

(\* graduate student, # undergraduate student)

- Chun, Y.\*, **Bailey, J.P.**, Kim, J., Lee, S.C., & Lee, S.Y. (2021) Sex and limb differences in lower extremity alignment and kinematics during drop vertical jump. *International Journal of Environmental Research and Public Health*, 18, 3748. DOI: [10.3390/ijerph18073748](https://doi.org/10.3390/ijerph18073748)
- Merica, C.B.\*, Chun, Y.\*, **Bailey, J.P.**, & Egan, C.A. (2021) National Biomechanics Day: PETE and Exercise Science Department Collaboration and Recruitment. *Journal of Physical Education, Recreation & Dance*, 92(6), 48-56. DOI: [10.1080/07303084.2021.1936309](https://doi.org/10.1080/07303084.2021.1936309)
- Catena, R.B., **Bailey, J.P.**, Campbell, M.D., & Stewart, B.C. (2020). The correlations between gait kinematics and dynamic balance control during pregnancy. *Gait & Posture*, 80, 106-112. PMID: 32502792. DOI: [10.1016/j.gaitpost.2020.05.025](https://doi.org/10.1016/j.gaitpost.2020.05.025).
- Gidley, L., Lankford, D.E., & **Bailey, J.P.** (2020). The construction of common treadmills significantly affects biomechanical and physiological variables. *Journal of Sports Sciences*, 38(19), 2236-2241. PMID: 32552333. DOI: [10.1080/02640414.2020.1776929](https://doi.org/10.1080/02640414.2020.1776929).
- Catena, R.B., **Bailey, J.P.**, Nigel, C., & Music, H.E.\* (2019). Stand-to-sit kinematic changes during pregnancy correspond with reduced sagittal plane hip motion. *Clinical Biomechanics*, 67, 107-114. PMID: 31100701. DOI: [10.1016/j.clinbiomech.2019.05.014](https://doi.org/10.1016/j.clinbiomech.2019.05.014).
- Bailey, J.P.**, Freedman-Silvernail, J., Dufek, J.S., & Mercer, J.A. (2018). Understanding the influence of perceived fatigue on coordination during endurance running. *Sports Biomechanics*, 5, 618-632. PMID: 30325255. DOI: [10.1080/14763141.2018.1508489](https://doi.org/10.1080/14763141.2018.1508489).
- Bailey, J.P.**, Freedman-Silvernail, J., Dufek, J.S., & Mercer, J.A. (2018). Effects of treadmill running velocity on lower extremity coordination variability in healthy runners. *Human Movement Science*, 61, 144-150. PMID: 30092396. DOI: [10.1016/j.humov.2018.07.013](https://doi.org/10.1016/j.humov.2018.07.013).
- Lee, SP, **Bailey, J.P.**, Barton, S., Brown, D., & Joyce, T. (2018). Adaptations of lumbar biomechanics after a four-week running training with minimalist shoes and techniques: implications for running-related lower back pain. *Physical Therapy in Sport*, 29, 101-107. PMID: 28690018. DOI: [10.1016/j.ptsp.2016.11.004](https://doi.org/10.1016/j.ptsp.2016.11.004)
- Masumoto, K., Soucy, M.T., **Bailey, J.P.** & Mercer, J.A. (2017). Muscle activity during backward and forward running with body weight support. *Human Movement Science*, 55, 276-286. PMID: 28886464. DOI: [10.1016/j.humov.2017.08.015](https://doi.org/10.1016/j.humov.2017.08.015).
- Bailey, J.**, Mata, T.# & Mercer, J. (2017). Is the relationship between stride length, frequency, and velocity influenced by running on a treadmill or overground. *International Journal of Exercise Science*, 10(7), 1067- 1075. PMID: 29170707. [PMC5685089](https://pubmed.ncbi.nlm.nih.gov/29170707/)
- Bailey, J.P.**, Mercer, J.A., and Dufek, J.S. (2016). A Comprehensive Kinematic Analysis During a 15 km Submaximal Training Run. *Int J Sports and Exerc Med.*, 2:039. ISSN: [2469-5718](https://doi.org/10.1080/10775610.2016.1191111).
- Masumoto, K., **Bailey, J.P.**, & Mercer, J.A. (2015). Determining if muscle activity is related to preferred stride frequency during running in the water and on land. *Eur J Appl Physiol*, 115, 2691-2700. PMID: 26255289. DOI: [10.1007/s00421-015-3234-5](https://doi.org/10.1007/s00421-015-3234-5).

**Peer Reviewed/Evaluated:**

- Music, H., Bailey, J.P., & Catena, R (2022). Arm swing during pregnancy and its impact on balance and momentum. *International Society of Posture and Gait Research 2022 World Congress*. Montreal, Canada
- Krumpl, L.\*, Brooks, S., Brown, A. F., Alfiero, C.J.\*, Martonick, N.\*, Chun, Y.\*, & **Bailey, J.P.** (2021) Seasonal effects on gait and posture in wildland fire fighters. *45<sup>th</sup> Annual Meeting of American Society of Biomechanics*, Virtual meeting.
- Krumpl, L.\*, Martonick, N.\*, Chun, Y.\*, & **Bailey, J.P.** (2021) Kinematic assessment of graded exercise test. *45<sup>th</sup> Annual Meeting of American Society of Biomechanics*, Virtual meeting.
- Gatlin, C.#, Krumpl, L.\*, Martonick, N.\*, Chun, Y.\*, & **Bailey, J.P.** (2021) The effects of high intensity run to volitional fatigue on drop jump performance. *45<sup>th</sup> Annual Meeting of American Society of Biomechanics*, Virtual meeting.
- Lyons, J.#, **Bailey, J.P.**, Chun, Y., & McGowan, C.P. (2021) Motor module comparison between strides in recreational athletes. *45<sup>th</sup> Annual Meeting of American Society of Biomechanics*, Virtual meeting.
- Chun, Y.\*, Krumpl, L.\*, Martonick, N.\*, & **Bailey, J.P.** (2021) Altered strategies by box height and its effects on drop jump performance. *45<sup>th</sup> Annual Meeting of American Society of Biomechanics*, Virtual meeting.
- Sheasley, J.\*, Krumpl, L.\*, Martonick, N.\*, Chun, Y.\*, & **Bailey, J.P.** (2021). Identifying lower extremity asymmetries in previously injured recreational endurance runners. *Western Medical Research conference*, Virtual Meeting.
- Krumpl, L.\*, Martonick, N.\*, Chun, Y.\*, Brown, A. F., & **Bailey, J.P.** (2020). Relationship between clinical assessments of health and fitness and field-based physical fitness tests in Reserve Officers' Training Corps (ROTC) cadets. *44<sup>th</sup> Annual Meeting of American Society of Biomechanics*, Atlanta, Georgia.
- Chun, Y.\* & **Bailey, J. P.** (2020). Effects of box height on instantaneous lower extremity joint stiffness during drop vertical jump. *44<sup>th</sup> Annual Meeting of the American Society of Biomechanics*, Atlanta, Georgia.
- Chun, Y.\* & **Bailey, J. P.** (2020). Application of quadratic regression model in the calculation of lower extremity joint stiffness. *American Society of Biomechanics Annual Meeting*, Atlanta, Georgia.
- Chun, Y.\*, **Bailey, J.P.**, Kim, J., & Lee, S.Y. (2019). Knee mechanics of drop jump in individuals with low and high Q-angle. *XXVII Congress of the International Society of Biomechanics & 43<sup>rd</sup> Annual Meeting of the American Society of Biomechanics*. Calgary, Alberta, Canada. Oral presentation
- Gidley, A.D. & **Bailey, J.P.** (2019). Trained and untrained cyclists have distinct segmental coordination patterns. *XXVII Congress of the International Society of Biomechanics & 43<sup>rd</sup> Annual Meeting of the American Society of Biomechanics*. Calgary, Alberta, Canada. Oral presentation

**Other:**

- Lyons, J.#, **Bailey, J.P.**, Chun, Y., & McGowan, C.P. (2021) Motor module comparison between strides in recreational athletes. *NW Biomechanics Symposium. NW Biomechanics Symposium*. Virtual meeting.
- Fisk, L.R.#, Gidley, A.D. & **Bailey, J.P.** (2019). Pilot study: effects of intensity on exercise on coordination in person with progressive multiple sclerosis. *NW Biomechanics Symposium*. Bozeman, Montana. Podium Presentation.
- Dustin, M.K.#, Chavez, E.#, & **Bailey, J.P.** (2019). Coordination variability in interval treadmill running in healthy adults. *NW Biomechanics Symposium*. Bozeman, Montana. Poster Presentation.
- Chavez, E.#, Dustin, M.K.#, & **Bailey, J.P.** (2019). Coordination variability during treadmill running in healthy endurance runners. *NW Biomechanics Symposium*. Bozeman, Montana. Poster Presentation.

Holmes, A.H. # & **Bailey, J.P.** (2019). The effects of training on the stability leg of collegiate dancers. *NW Biomechanics Symposium*. Bozeman, Montana. Poster Presentation.

Nordin A.D., **Bailey, J.P.**, & Dufek, J.S. Implications of increased lower extremity movement variability on fall susceptibility at increased stride lengths during locomotion. *2013 American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition Conference Proceedings*, November 2013.

#### **Refereed/Adjudicated (currently scheduled or submitted):**

Chun, Y.\*, McGowan, C., & **Bailey, J.P.** Application of polynomial regression model to the calculation of lower extremity joint stiffness. *Journal of Applied Biomechanics* [Submitted 06, 2021]

Chun, Y. \*, McGowan, C., Baker, R., Seegmiller, J., & **Bailey, J.P.** Differences in lower extremity joint stiffness during drop jump between healthy males and females. *Journal of Applied Biomechanics* [Submitted 07,2021].

Chun, Y.\*, McGowan, C., Baker, R., Seegmiller, J., & **Bailey, J.P.** Differences in Jump Performance, Joint Stiffness, and Isokinetic Strength between Female athletes and Ballet-trained Dancers. *Journal of Sports Sciences*. [Submitted 08, 2021].

Alfiero, C.\*, Brown, A.F., Chun, Y.\*, Gwin, A.\*, & **Bailey, J.P.** The effect of foot position and lean mass on jumping and landing mechanics in collegiate dancers. *Journal of Applied Biomechanics*. [Submitted 10, 2021].

Gidley, L & **Bailey, J.P.** Coordination changes in response to walking inclines. *Journal of Applied Biomechanics*. [Submitted 08, 2021].

Martonick, N.\*, Chun, Y., Krumpl, L.\*, & **Bailey, J.P.** Lower extremity kinematic waveform analysis during single leg drop task – a single subject approach. *Journal of Biomechanics*. [Submitted Dec, 2021].

**Bailey, J.P.**, Chun, Y.\*, Martonick, N.\*, Krumpl, L.\*, Dustin, M.\* & Pendegraft, N. Mechanical and coordination differences between Shotokan Karateka rankings at ISKF 2019. [*In Progress*]

Gidley, L. & **Bailey, J.P.** Stiffness and coordination changes across treadmill running speeds. [*In Progress*]

**Bailey, J.P.** Changes in gait mechanics and coordination due to volitional fatigue during treadmill running. [*In Progress*]

**Bailey J.P.** & Brown, A. Does dance performance relate to mechanical characteristics? [*In Progress*]

#### **Presentations and Other Creative Activities:**

Vandal Theory Podcast, [‘The Perfect Running Gait’](#) 2020

#### **Grants and Contracts Awarded:**

**Bailey, J.P.** (2022). NSCA Young Investigator Research Grant. *Neuromuscular Screens and musculoskeletal injury responses to a 10-week suspension intervention in Reserve Officer Training Corps cadets*. \$21,437 [Pending].

Radzac, K & **Bailey, J.P.** (2021). DoD FY 21 CRRP RDTRA [W81XWH-20-S-CRRP]. *Readiness through telemedicine care (ROTC)*. \$35,311 Subaward [Pending].

**Bailey, J.P.** (2021). MW CTR-IN Pilot Grant – Department of Health and Human Services Public Health Services. *Exercise strategies for motor pattern retention in persons with Multiple Sclerosis*. \$58,500 [unfunded].

- Radzac, K & **Bailey, J.P.** (2020). DoD FY 20 CRRP RDTRA [W81XWH-20-S-CRRP]. *Readiness through telemedicine care (ROTC)*. \$22,949 Subaward [Unfunded].
- Bailey, J.P.**, Baker, R.T., Paul, D.R., & Vakanski, A. (2020). Department of Labor & Industries: SHIP Grant – Safety & Health. *MSD Self-Assessment Triage Kiosk*. \$24,000 Subaward [Unfunded].
- Vakanski, A., Paul, D., Baker, R., **Bailey, J.P.**, & Min, X.. (2018). National Science Foundation [NSF 18-541]: Smart and Connected Health (SCH). *SCH:INT: A system for assessment of patient performance in physical rehabilitation*. \$507,377 [unfunded].
- Dousay, T., **Bailey, J.P.**, & Egan, C. (2018) Spencer Foundation. *VR & Somatic Learning for re-engagement*. \$750,000 - \$1,000,000 [unfunded].
- Bailey, J.P.** (2018). W.M. Keck Foundation – Undergraduate Education. *Undergraduate Biomechanics Teaching Laboratory*. \$275,000 [unfunded].
- Mercer, JA, Zhan, J, Navalta, J, Lough, N, Gatlin, T, **Bailey, JP**, Barker, L, & Craig-Jones, A. (2016) NSF: Partnerships for Innovation: Building Innovation Capacity. \$1,000,000 [unfunded].
- Mercer, J.A., **Bailey, J.P.**, and Barker, L. (2016) United States of America Track and Field. \$123,217 [unfunded]
- Mercer, J.A., **Bailey, J.P.**, Barker, L., and Soucy, M. (2015) Arthritis foundation. \$75,000 [unfunded].
- Bailey, J.P.** and Mercer, J.A. (2015) National Strength & Conditioning Association Doctoral Research Grant \$15,000 [unfunded].

#### Student Grants

- Martonick, N. & **Bailey, J.P.** (2022). NW Athletic Training Association Research Grant. *Effect of Total Motion release on single leg squat mechanics* (\$1000) [Pending]
- Reeves, A. & **Bailey, J.P.** (2022). NW Athletic Training Association Research Grant. *Effects of a mind-body intervention on kinesiophobia and movement mechanics in patients with anterior cruciate ligament reconstruction*. (\$1000) [Pending].
- Matz, L. & **Bailey, J.P.** (2021). University of Idaho – OUR Summer Undergraduate Research Fellowship 2021. *The effects of sure squat on lifting mechanics for individuals with a history of resistance training and non-resistance training*. \$5000 (\$4000 fellowship, **\$1000** equipment).
- Krumpl, L. & **Bailey, J.P.** (2021) National Strength & Conditioning Association Doctoral Grant. *Mechanical and morphological properties of the plantar fasci in response to imposed running demands*. (\$15,000) [Unfunded]
- Salmon, M., Chun, Y. & **Bailey, J.P.** (2020). University of Idaho – OUR Summer Undergraduate Research Fellowship 2020. *Effects of perceived fatigue on drop jump mechanics*. \$5000 (\$4000 fellowship, \$1000 equipment) [unfunded]
- Alfiero, C. & Bailey, J.P. (2020). National Strength & Conditioning Association Doctoral Grant. *The effect of pre-conditioning resistance exercises on running economy and performance in trained male distance runners*. (\$11,000) [Unfunded]
- Chun, Y & **Bailey, J.P.** (2019) National Strength & Conditioning Association Doctoral Grant. *A 12-week resistance training intervention during winter session for running-related injury prevention without decreasing running performance*. (\$15,000) [unfunded]
- Bryant, M., Martonick, N., & **Bailey, J.P.** (2019). University of Idaho – OUR Undergraduate Research Grant Spring 2020. *Effects of footwear on Olympic and power lifts*. **\$950**

Mackie-Meuler, A. & **Bailey, J.P.** (2019). University of Idaho – OUR Undergraduate Research Grant Spring 2020. *Are measures of isometric strength and muscle activation predictors of Y balance performance?* **\$855**

Dustin, M. & **Bailey, J.P.** (2019). University of Idaho – OUR Summer Undergraduate Research Fellowship 2019. *Effects of treadmill run to fatigue on kinematics.* \$5000 (\$4000 fellowship, \$1000 equipment) [unfunded]

Gwin, A. & **Bailey, J.P.** (2018). University of Idaho – OUR Summer Undergraduate Research Fellowship 2019. *Effects of piriformis syndrome on running mechanics.* \$5000 (\$4000 fellowship, \$1000 equipment) [unfunded]

Short, L. & **Bailey, J.P.** (2017). University of Idaho – OUR Undergraduate Research Grant Spring 2018. *Effects of treadmill interval run on running kinematics.* **\$1000**

### **Honors and Awards:**

SWACSM Student Research Award. Oral Presentation: A Comprehensive Kinematic Analysis of a 15 km Training Run. Southwest Chapter of American College of Sports Medicine (SWACSM). Orange Count, CA, USA, October, 2014.

### **SERVICE:**

#### **Major Committee Assignments:**

CEHHS Equity and Justice Workgroup (College, 2020 – Present, Interim Chair Spring 2022)

College Coordinating Committee, (College, 2020-2022)

M.S. Movement and Leisure Sciences Assessment Committee (Department, Committee Member, September 2017 – 2019, 2020-present)

Mobilizing Men Sub-Committee, (Chair, 2019-present), (Committee member, 2018-present)

Multi-Campus Communications Committee (University, Committee Member, December 2018 – Present)

Faculty Affairs Committee (College, Committee Member, November 2018 – Present)

Institutional Review Board (University, Alternate Member, June 2020 – August 2023)

Search Committee Member (University, Assistant Director of Fraternity & Sorority Life, Summer 2021)

Search Committee Member (University, Assistant Sponsored Programs Administrator, Spring 2021)

Search Committee Member (University, Assistant Director of Sponsored Accounting, Fall 2020)

Search Committee Member (Department, Interim Chair MVSC, Fall 2020)

Search Committee Member (Department, Clinical Assistant Professor PETE, Spring 2020)

MVSC Scholarship Committee (Department, Committee Member, January 2019 – 2020)

Promotion & Tenure Committee (College committee, Fall 2019)

Promotion & Tenure Committee (Departmental, non-tenured assignment for Full Professor review, Spring 2018)

Promotion & Tenure Committee (Departmental, non-tenured assignment for Full Professor review, Fall 2017)

### **Professional and Scholarly Organizations**

#### **Memberships:**

Member, American Society of Biomechanics, 2017 – Present.

Member, American College of Sports Medicine, 2016 – Present.

Member, National Strength & Conditioning Association, 2007-2014 & 2017 – Present.

Reviewer, BMC Sports Science, Medicine & Rehabilitation

Reviewer, Medicine and Science in Sport and Exercise

Reviewer, Journal of Applied Biomechanics

Reviewer, Sports Biomechanics

Reviewer, Gait & Posture

Reviewer, Human Movement

Reviewer, International Journal of Exercise

Reviewer, Clinical Interventions in Aging

Reviewer, Journal of Pain Research  
Reviewer, Journal of Sport and Health Science  
Reviewer, Research in Sports Medicine  
Reviewer, Applied Sciences  
Reviewer, Children

**Outreach Service:**

National Biomechanics Day Organizer, 2019, Moscow High School.  
National Biomechanics Day Organizer, 2018, One Stone High School, Boise, Idaho.  
College of Education Health and Human Sciences Ambassador students, Guest discussion for course. University of Idaho.

**PROFESSIONAL DEVELOPMENT:**

**Teaching:**

Wisconsin-Madison – Design Teach Online Course, 2019

**Scholarship:**

International Society of Biomechanics Symposium, August 2019  
Northwest Biomechanics Conference, April 2018  
American College of Sport Medicine Northwest Regional Conference, Feb 2018