

#### INBRE-4 Peer-reviewed publications (2020-24)

**Summary:** 83 publications (2020-18, 2021-21, 2022-17, 2023-20, 2024-7), 61 <sup>1</sup>graduate and 17 <sup>2</sup>undergraduate coauthors.

1. <sup>1</sup>Allen, A. G., Z. P. Roehrs, R. S. Seville, and H. C. Lanier. 2022. Competitive release during fire succession influences ecological turnover in a small mammal community. *In Ecology*. 2022 The Ecological Society of America., United States, p. e3733.
2. Antoine, D., M. Mohammadi, M. Vitt, J. M. Dickie, S. S. Jyoti, M. A. Tilbury, P. A. Johnson, K. E. Wawrousek, and J. G. Wall. 2022. Rapid, Point-of-Care scFv-SERS Assay for Femtogram Level Detection of SARS-CoV-2. *In ACS Sens*. United States, p. 866-873.
3. Balasubramaniam, B., I. Topalidou, M. Kelley, S. M. Meadows, O. Funk, M. Ailion, and D. S. Fay. 2023. Effectors of anterior morphogenesis in *C. elegans* embryos. *Biol Open* **12**.
4. Baskaran, P., K. Nazminia, J. Frantz, <sup>2</sup>J. O'Neal, and B. Thyagarajan. 2021. Mice lacking endogenous TRPV1 express reduced levels of thermogenic proteins and are susceptible to diet-induced obesity and metabolic dysfunction. *In FEBS Lett*. 2021 Federation of European Biochemical Societies., England, p. 1768-1781.
5. <sup>1</sup>Binti, S., P. T. Edeen, and D. S. Fay. 2024a. Loss of the Na (+) /K (+) cation pump CATP-1 suppresses nekl -associated molting defects. *bioRxiv*.
6. <sup>1</sup>Binti, S., <sup>2</sup>A. G. Linder, P. T. Edeen, and D. S. Fay. 2024b. A conserved protein tyrosine phosphatase, PTPN-22, functions in diverse developmental processes in *C. elegans*. *bioRxiv*.
7. <sup>1</sup>Binti, S., R. V. Melinda, B. B. Joseph, P. T. Edeen, S. D. Miller, and D. S. Fay. 2022. A life cycle alteration can correct molting defects in *Caenorhabditis elegans*. *Dev Biol* **483**: 143-156.
8. Bloomston, N. A., K. Zaharas, K. Lawley, T. Fenn, E. Person, H. Huber, Z. Zhang, and J. F. Prather. 2022. Exploring links from sensory perception to movement and behavioral motivation in the caudal nidopallium of female songbirds. *In J Comp Neurol*. 2022 Wiley Periodicals LLC., United States, p. 1622-1633.
9. Boopathi, B., I. Topalidou, M. Kelley, S. M. Meadows, O. Funk, M. Ailion, and D. S. Fay. 2023. Pathways that affect anterior morphogenesis in *C. elegans* embryos. *In bioRxiv*. United States.
10. Both, E. B., G. C. Stonehouse, L. W. Lima, S. C. Fakra, B. Aguirre, A. L. Wangeline, J. Xiang, H. Yin, Z. Jokai, A. Soos, et al. 2020. Selenium tolerance, accumulation, localization and speciation in a Cardamine hyperaccumulator and a non-hyperaccumulator. *In Sci Total Environ*. 2019 The Author(s). Published by Elsevier B.V, Netherlands, p. 135041.
11. Bottera, A. R., and K. P. De Young. 2023. Characterizing naturalistic meal timing, energy intake, and macronutrient intake among individuals with loss of control eating. *Appetite* **184**: 106524.
12. Bravo, A. J., E. Wedell, M. C. Villarosa-Hurlocker, A. Looby, C. L. Dickter, and T. S. Schepis. 2023. Perceived racial/ethnic discrimination among young adult college students: Prevalence rates and associations with mental health. *In J Am Coll Health*. United States, p. 2062-2073.
13. Bruns, D. R., <sup>1</sup>M. Yusifova, N. A. Marcello, C. J. Green, W. J. Walker, and E. E. Schmitt. 2020. The Peripheral Circadian Clock and Exercise: Lessons from Young and Old Mice. *In J Circadian Rhythms*. : 2020 The Author(s). England, p. 7.

14. Cao, P., and D. Wall. 2020. The Fluidity of the Bacterial Outer Membrane Is Species Specific: Bacterial Lifestyles and the Emergence of a Fluid Outer Membrane. *Bioessays* **42**: e1900246.
15. Chen, P., and D. L. Levy. 2023. Regulation of organelle size and organization during development. *Semin Cell Dev Biol* **133**: 53-64.
16. Chen, P., S. Mishra, <sup>1</sup>H. Prabha, S. Sengupta, and D. L. Levy. 2024. Nuclear growth and import can be uncoupled. *Mol Biol Cell* **35**: ar1.
17. Cheng, C., M. H. Harpster, and J. Oakey. 2020. Convection-driven microfabricated hydrogels for rapid biosensing. *In Analyst*. England, p. 5981-5988.
18. Clay, C. M., B. D. Cherrington, and A. M. Navratil. 2020. Plasticity of Anterior Pituitary Gonadotrope Cells Facilitates the Pre- Ovulatory LH Surge. *In Front Endocrinol (Lausanne)*. Cherrington and Navratil., Switzerland, p. 616053.
19. Critchley, M. L., D. J. Davis, M. M. Keener, <sup>1</sup>J. S. Layer, M. A. Wilson, Q. Zhu, and B. Dai. 2020. The effects of mid-flight whole-body and trunk rotation on landing mechanics: implications for anterior cruciate ligament injuries. *In Sports Biomech*. England, p. 421-437.
20. Dai, B., <sup>1</sup>J. S. Layer, N. M. Bordelon, M. L. Critchley, S. E. LaCroix, A. C. George, <sup>1</sup>L. Li, J. D. Ross, and M. A. Jensen. 2021. Longitudinal assessments of balance and jump-landing performance before and after anterior cruciate ligament injuries in collegiate athletes. *Res Sports Med* **29**: 129-140.
21. <sup>1</sup>Darzi, A., and D. Novak. 2021. Automated affect classification and task difficulty adaptation in a competitive scenario based on physiological linkage: An exploratory study. *In Int J Hum Comput Stud*. England.
22. <sup>2</sup>Dority, D. E., Z. P. Roehrs, C. T. McAllister, and R. S. Seville. 2021. A NEW SPECIES OF EIMERIA (APICOMPLEXA: EIMERIIDAE) FROM THE OLIVE-BACKED POCKET MOUSE, PEROGNATHUS FASCIATUS (RODENTIA: HETEROMYIDAE: PEROGNATHINAE), FROM WYOMING. *J Parasitol* **107**: 575-581.
23. <sup>1</sup>Dumas, R. E., and C. M. Pepper. 2023. Bisexual-specific minority stress in nonsuicidal self-injury: The mediating role of perceived burdensomeness. *In J Affect Disord Rep*. Netherlands.
24. Fay, S. F., D. S. Fay, and V. E. Chhatre. 2021. CRISPRcruncher: A tool for engineering restriction sites into coding regions. *MicroPubl Biol* **2021**.
25. <sup>1</sup>Gorsic, M., Y. Regmi, A. P. Johnson, B. Dai, and D. Novak. 2020. A Pilot Study of Varying Thoracic and Abdominal Compression in a Reconfigurable Trunk Exoskeleton During Different Activities. *In IEEE Trans Biomed Eng*. United States, p. 1585-1594.
26. <sup>1</sup>Gorsic, M., <sup>2</sup>L. E. Rochelle, <sup>1</sup>J. S. Layer, D. T. Smith, D. Novak, and B. Dai. 2024. Biomechanical comparisons of back and front squats with a straight bar and four squats with a transformer bar. *Sports Biomech* **23**: 166-181.
27. <sup>1</sup>Gorsic, M., <sup>1</sup>Y. Song, B. Dai, and D. Novak. 2021. Evaluation of the HeroWear Apex back-assist exosuit during multiple brief tasks. *In J Biomech*. 2021 Elsevier Ltd, United States, p. 110620.
28. Grimbert, S., K. Mastronardi, V. Richard, R. Christensen, C. Law, K. Zardoui, D. Fay, and A. Piekny. 2021. Multi-tissue patterning drives anterior morphogenesis of the *C. elegans* embryo. *Dev Biol* **471**: 49-64.

29. Guiberson, M. 2021. Early Literacy Strategies for Parents of Young Dual Language Learners: A Descriptive Study and Integrative Review. *In* *Top Lang Disord*. United States, p. 294-308.
30. Harrington, S., and F. Burbrink. 2023. Complex cycles of divergence and migration shape lineage structure in the common kingsnake species complex. *In* *J Biogeogr*. England, p. 341-351.
31. Holm, A. K. J., S. D. Tuthill, N. D. Klein, E. Wedell, A. Looby, A. J. Bravo, and M. A. Prince. 2022. Compounding Privilege, Resilience, and Nonmedical Prescription Stimulant Use among College Students. *Subst Use Misuse* **57**: 1751-1760.
32. Holt, L. J., A. Looby, and T. S. Schepis. 2023. Sources for prescription stimulant misuse: A person-centered approach to understanding links to substance use and psychiatric impairment. *Exp Clin Psychopharmacol* **31**: 498-506.
33. <sup>1</sup>Huang, S., <sup>1</sup>J. Layer, D. Smith, G. P. Bingham, and Q. Zhu. 2021. Training 90 degrees bimanual coordination at high frequency yields dependence on kinesthetic information and poor performance of dyadic unimanual coordination. *Hum Mov Sci* **79**: 102855.
34. Huo, J., H. Li, D. Yu, and N. Arulsamy. 2020. Three New Metal Complexes with Imidazole-Containing Tripodal Ligands as Fluorophores for Nitroaromatics- and Ion-Selective Sensing. *Inorganica Chim Acta* **502**.
35. Jevtic, P., K. W. Elliott, S. E. Watkins, J. A. Sreter, K. Jovic, I. B. Lehner, P. W. Baures, J. G. Tsavalas, D. L. Levy, and K. Varga. 2022. An insect antifreeze protein from *Anatolica polita* enhances the cryoprotection of *Xenopus laevis* eggs and embryos. *J Exp Biol* **225**.
36. Joseph, B. B., P. T. Edeen, S. Meadows, <sup>1</sup>S. Binti, and D. S. Fay. 2022. An unexpected role for the conserved ADAM-family metalloprotease ADM-2 in *Caenorhabditis elegans* molting. *PLoS Genet* **18**: e1010249.
37. Joseph, B. B., N. Naslavsky, <sup>1</sup>S. Binti, S. Conquest, L. Robison, G. Bai, <sup>2</sup>R. O. Homer, B. D. Grant, S. Caplan, and D. S. Fay. 2023. Conserved NIMA kinases regulate multiple steps of endocytic trafficking. *In* *PLoS Genet*. : 2023 Joseph et al. This is an open access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited., United States, p. e1010741.
38. Joseph, B. B., Y. Wang, P. Edeen, <sup>1</sup>V. Lazetic, B. D. Grant, and D. S. Fay. 2020. Control of clathrin-mediated endocytosis by NIMA family kinases. *PLoS Genet* **16**: e1008633.
39. Kephart, J. A., Z. Hecht, B. N. Livesay, I. Bhowmick, M. P. Shores, V. C. Popescu, N. Arulsamy, and E. B. Hulley. 2020. Self-assembly of an organometallic Fe<sub>9</sub>O<sub>6</sub> cluster from aerobic oxidation of (tmeda)Fe(CH<sub>2</sub>(t)Bu)<sub>2</sub>. *Chem Commun (Camb)* **56**: 4994-4997.
40. Kotlarek, K. J., <sup>2</sup>K. Rogers, and K. N. Mason. 2024. Continuing Education Needs of Speech-Language Pathologists for Assessing and Treating Children With Cleft Palate: A National Analysis Across Areas of Varying Population Density. *Lang Speech Hear Serv Sch* **55**: 495-509.
41. Krueger, B. I., and H. L. Storkel. 2023. The impact of age on the treatment of late-acquired sounds in children with speech sound disorders. *Clin Linguist Phon* **37**: 783-801.
42. Kwon, Y. H., Y. A. Joh, B. M. Leonard, M. Balaz, and K. Varga. 2023. Threonine functionalized colloidal cadmium sulfide (CdS) quantum dots: The role of solvent and counterion in ligand induced chiroptical properties. *J Colloid Interface Sci* **642**: 771-778.

43. <sup>1</sup>LaCount, P. A., C. M. Hartung, <sup>1</sup>J. M. Vasko, <sup>1</sup>J. W. Serrano, H. A. Wright, and D. T. Smith. 2022. Acute Effects of Physical Exercise on Cognitive and Psychological Functioning in College Students with Attention-Deficit/Hyperactivity Disorder. *In* *Ment Health Phys Act*. England.
44. <sup>1</sup>Li, L., <sup>2</sup>M. Baur, K. Baldwin, T. Kuehn, Q. Zhu, D. Herman, and B. Dai. 2020. Falling as a strategy to decrease knee loading during landings: Implications for ACL injury prevention. *J Biomech* **109**: 109906.
45. <sup>1</sup>Li, L., B. K. McGuinness, <sup>1</sup>J. S. Layer, <sup>1</sup>Y. Song, M. A. Jensen, and B. Dai. 2022. Longitudinal assessments of strength and dynamic balance from pre-injury baseline to 3 and 4 months after labrum repairs in collegiate athletes. *Physiother Theory Pract* **38**: 2505-2513.
46. <sup>1</sup>Liu, Y., E. Block, J. Squier, and J. Oakey. 2021. Investigating low salinity waterflooding via glass micromodels with triangular pore-throat architectures. *Fuel (Lond)* **283**.
47. Livingston, N. R., E. Hetelekides, A. J. Bravo, and A. Looby. 2023. Negative Affect Regulation and Marijuana Use in College Students: Evaluating the Mediating Roles of Coping and Sleep Motives. *J Psychoactive Drugs* **55**: 203-212.
48. Looby, A., M. A. Prince, <sup>1</sup>J. M. Vasko, <sup>2</sup>L. Zimmerman, E. K. Lefler, K. Flory, W. Canu, and C. M. Hartung. 2021a. Relations among protective behavioral strategies, biological sex, and ADHD symptoms on alcohol use and related problems: Who benefits most, and from what type of strategy? *Addict Behav* **119**: 106924.
49. Looby, A., M. A. Prince, M. C. Villarosa-Hurlocker, B. T. Conner, T. S. Schepis, and A. J. Bravo. 2021b. Young adult use, dual use, and simultaneous use of alcohol and marijuana: An examination of differences across use status on marijuana use context, rates, and consequences. *In* *Psychol Addict Behav*. United States, p. 682-690.
50. <sup>2</sup>Loomis-Goltl, E., P. Briley, and K. J. Kotlarek. 2023. Impact of Prenatal Care on Newborn Complications for Infants with Cleft Lip with or Without Cleft Palate. *Cleft Palate Craniofac J*: 10556656231153453.
51. <sup>1</sup>Mandeville, E. G., R. O. Hall, Jr., and C. A. Buerkle. 2022. Ecological outcomes of hybridization vary extensively in *Catostomus* fishes. *Evolution* **76**: 2697-2711.
52. <sup>1</sup>Maus, A., B. Bisha, C. Fagerquist, and F. Basile. 2020. Detection and identification of a protein biomarker in antibiotic-resistant *Escherichia coli* using intact protein LC offline MALDI-MS and MS/MS. *In* *J Appl Microbiol*. 2019 The Society for Applied Microbiology., England, p. 697-709.
53. McAllister, C. T., D. Motriuk-Smith, <sup>2</sup>H. McCurdy, R. S. Seville, and E. A. Flaherty. 2020. Coccidian Parasites of Flying Squirrels, *Glaucomys* spp. (Rodentia: Sciuridae), from Alaska and Arkansas, with a Description of a New Species of *Eimeria* (Apicomplexa: Eimeriidae). *J Parasitol* **106**: 406-410.
54. McAllister, C. T., and R. S. Seville. 2020. A New Isosporan (Apicomplexa: Eimeriidae) from Wood Thrush, *Hylocichla mustelina* (Aves: Passeriformes: Turdidae), in Oklahoma. *J Parasitol* **106**: 291-294.
55. McAllister, C. T., and R. S. Seville. 2021a. A New Isospora (Apicomplexa: Eimeriidae) from the Summer Tanager, *Piranga rubra* (Aves: Passeriformes: Cardinalidae), in Oklahoma. *J Parasitol* **107**: 129-131.
56. McAllister, C. T., and R. S. Seville. 2021b. A new species of *Isospora* (Apicomplexa: Eimeriidae)

- from Carolina chickadee (Passeriformes: Paridae), from Oklahoma, USA. *In Syst Parasitol.* 2021. The Author(s), under exclusive licence to Springer Nature B.V., Netherlands, p. 589-594.
57. McNair, B. D., J. A. Schlatter, <sup>2</sup>R. F. Cook, <sup>1</sup>M. Yusifova, and D. R. Bruns. 2021. Inhibition of mTOR by rapamycin does not improve hypoxic pulmonary hypertension-induced right heart failure in old mice. *In Exp Gerontol.* 2021 Elsevier Inc, England, p. 111395.
  58. <sup>1</sup>Mishra, S., and D. L. Levy. 2022a. Nuclear F-actin and Lamin A antagonistically modulate nuclear shape. *J Cell Sci* **135**.
  59. <sup>1</sup>Mishra, S., and D. L. Levy. 2022b. Visualizing Nuclear Pore Complexes in Xenopus Egg Extracts. *Methods Mol Biol* **2502**: 395-405.
  60. <sup>1</sup>Mukherjee, R. N., J. Salle, S. Dmitrieff, K. M. Nelson, J. Oakey, N. Minc, and D. L. Levy. 2020. The Perinuclear ER Scales Nuclear Size Independently of Cell Size in Early Embryos. *In Dev Cell.* 2020 Elsevier Inc, United States, p. 395-409 e397.
  61. <sup>2</sup>O'Connor, A. E., D. M. Hatzenbiler, L. T. Flom, A. C. Bobadilla, D. R. Bruns, and E. E. Schmitt. 2023. Physiological and Morphometric Differences in Resident Moderate-Altitude vs. Sea-Level Mice. *Aerosp Med Hum Perform* **94**: 887-893.
  62. Okamoto, Y., S. Devoe, N. Seto, V. Minarchick, T. Wilson, H. M. Rothfuss, M. P. Mohning, J. Arbet, M. Kroehl, A. Visser, et al. 2022. Association of Sputum Neutrophil Extracellular Trap Subsets With IgA Anti-Citrullinated Protein Antibodies in Subjects at Risk for Rheumatoid Arthritis. *Arthritis Rheumatol* **74**: 38-48.
  63. <sup>2</sup>Power, S., and K. J. Kotlarek. 2022. An Exploratory Investigation of the Palatoglossus Muscle in Children Using Magnetic Resonance Imaging. *In J Speech Lang Hear Res.* United States, p. 4151-4158.
  64. <sup>1</sup>Ralston, B. A., <sup>1</sup>L. Khan, S. B. DeVore, <sup>2</sup>T. A. Bronnenberg, <sup>1</sup>J. W. Flock, <sup>1</sup>A. O. Sequoia, P. R. Thompson, A. M. Navratil, and B. D. Cherrington. 2023. Peptidylarginine deiminase 2 regulates expression of DGCR8 affecting miRNA biogenesis in gonadotrope cells. *Reproduction* **166**: 125-134.
  65. Schepis, T. S., A. S. De Nadai, A. J. Bravo, A. Looby, M. C. Villarosa-Hurlocker, and M. Earleywine. 2021. Alcohol use, cannabis use, and psychopathology symptoms among college students before and after COVID-19. *In J Psychiatr Res.* 2021 Elsevier Ltd, England, p. 73-79.
  66. Schibler, A. C., P. Jevtic, G. Pegoraro, D. L. Levy, and T. Misteli. 2023. Identification of epigenetic modulators as determinants of nuclear size and shape. *Elife* **12**.
  67. Shoshone, A. L., J. F. Keith, L. Olsen, N. Barney, C. Clark, J. L. LeBeau, D. Meyers, C. Mills, J. Mionczynski, V. Panzetanga, et al. 2022. Enacting Treaty Rights through Restoring Shoshone Ancestral Foods on the Wind River Indian Reservation. *In J Poverty.* United States, p. 438-457.
  68. <sup>1</sup>Song, Y., <sup>1</sup>L. Li, E. E. Albrandt, M. A. Jensen, and B. Dai. 2021. Medial-lateral hip positions predicted kinetic asymmetries during double- leg squats in collegiate athletes following anterior cruciate ligament reconstruction. *In J Biomech.* 2021 Elsevier Ltd, United States, p. 110787.
  69. <sup>1</sup>Song, Y., <sup>1</sup>L. Li, M. A. Jensen, and B. Dai. 2023a. Jump-landing kinetic asymmetries persisted despite symmetric squat kinetics in collegiate athletes following anterior cruciate ligament reconstruction. *In Sports Biomech.* England, p. 1-14.
  70. <sup>1</sup>Song, Y., <sup>1</sup>L. Li, M. A. Jensen, and B. Dai. 2023b. Using trunk kinematics to predict kinetic

asymmetries during double-leg jump-landings in collegiate athletes following anterior cruciate ligament reconstruction. *In* Gait Posture. 2023 Elsevier B.V, England, p. 80-85.

71. <sup>1</sup>Sun, M., <sup>1</sup>Y. Jin, <sup>1</sup>Y. Zhang, Z. R. Gregorich, J. Ren, Y. Ge, and W. Guo. 2022. SR Protein Kinases Regulate the Splicing of Cardiomyopathy-Relevant Genes via Phosphorylation of the RSRSP Stretch in RBM20. *Genes (Basel)* **13**.
72. <sup>1</sup>Tower, S. J., W. J. Hetcher, T. E. Myers, N. J. Kuehl, and M. T. Taylor. 2020. Selective Modification of Tryptophan Residues in Peptides and Proteins Using a Biomimetic Electron Transfer Process. *J Am Chem Soc* **142**: 9112-9118.
73. <sup>1</sup>Vukovic, L. D., <sup>1</sup>P. Chen, <sup>1</sup>S. Mishra, K. H. White, J. P. Gigley, and D. L. Levy. 2021. Nuclear Transport Factor 2 (NTF2) suppresses WM983B metastatic melanoma by modifying cell migration, metastasis, and gene expression. *Sci Rep* **11**: 23586.
74. <sup>1</sup>Wesley, C. C., and D. L. Levy. 2023. Differentiation-dependent changes in lamin B1 dynamics and lamin B receptor localization. *Mol Biol Cell* **34**: ar10.
75. <sup>1</sup>Wesley, C. C., <sup>1</sup>S. Mishra, and D. L. Levy. 2020. Organelle size scaling over embryonic development. *Wiley Interdiscip Rev Dev Biol* **9**: e376.
76. Williams, J. L., and K. J. Kotlarek. 2023. Current Postoperative Feeding Practices Following Surgical Repairs for Infants With Cleft Palate. *J Craniofac Surg* **34**: 2142-2145.
77. Xia, L., <sup>1</sup>R. Deb, and D. Dutta. 2020. Electrokinetic stacking of particle zones in confined channels enabling their UV absorbance detection on microchips. *Anal Chim Acta* **1135**: 83-90.
78. Xie, J., D. L. Levy, N. Minc, J. Salle, <sup>2</sup>A. E. O'Connor, D. M. Hatzenbiler, L. T. Flom, A. C. Bobadilla, D. R. Bruns, and E. E. Schmitt. 2024. Manipulation of Embryonic Cleavage Geometry Using Magnetic Tweezers
79. <sup>1</sup>Young, C. H., <sup>1</sup>B. Snow, <sup>1</sup>S. B. DeVore, A. Mohandass, V. V. Nemmara, P. R. Thompson, B. Thyagarajan, A. M. Navratil, and B. D. Cherrington. 2021. Progesterone stimulates histone citrullination to increase IGFBP1 expression in uterine cells. *In* Reproduction. England, p. 117-127.
80. <sup>1</sup>Yusifov, A., V. E. Chhatre, E. K. Koplin, C. E. Wilson, E. E. Schmitt, K. C. Woulfe, and D. R. Bruns. 2021a. Transcriptomic analysis of cardiac gene expression across the life course in male and female mice. *In* *Physiol Rep*. 2021 The Authors. Physiological Reports published by Wiley Periodicals LLC on behalf of The Physiological Society and the American Physiological Society., United States, p. e14940.
81. <sup>1</sup>Yusifov, A., V. E. Chhatre, J. M. Zumo, <sup>2</sup>R. F. Cook, B. D. McNair, E. E. Schmitt, K. C. Woulfe, and D. R. Bruns. 2021b. Cardiac response to adrenergic stress differs by sex and across the lifespan. *In* *Geroscience*. 2021. American Aging Association., Switzerland, p. 1799-1813.
82. <sup>1</sup>Yusifov, A., K. C. Woulfe, and D. R. Bruns. 2022. Mechanisms and implications of sex differences in cardiac aging. *J Cardiovasc Aging* **2**.
83. <sup>1</sup>Yusifova, M., <sup>1</sup>A. Yusifov, <sup>2</sup>S. M. Polson, W. D. Todd, E. E. Schmitt, and D. R. Bruns. 2023. Voluntary Wheel Running Exercise Does Not Attenuate Circadian and Cardiac Dysfunction Caused by Conditional Deletion of Bmal1. *J Biol Rhythms* **38**: 290-304.

**Summary:** 386 oral and poster presentations including 64 invited talks, 127 oral presentations, 185 poster presentations, 11 other.

1. Brian Cherrington. 2020. 5/20/20. Progesterone Stimulates Histone Citrullination to Increase IGFBP1 Expression in Ovine Luminal Epithelial Cells. Faculty. Oral. 52nd Annual Meeting. Society for the Study of Reproduction. San Jose, CA.
2. Vikram E Chhatre. 2020. 5/26/20. 2020 Summer of Code. Student Oral. Independent workshop. Online.
3. Jason Gigley. 2020. 6/12/20. Coronaviruses: Is developing immunity to these viruses possible? Faculty, Oral. Summer MOLB4990 class. Laramie WY.
4. Bryce Snow. 2020. 7/10/20. Estrogen Stimulates Peptidylarginine Deiminase Expression in Lactotrope Cells. Student Poster. Society for the Study of Reproduction Annual Meeting. Ottawa, CA Online.
5. Elizabeth Brianne Quigley. 2020. 7/10/20. Histone Citrullination Suppresses Expression of the DGCR8 Microprocessor Complex Subunit in Gonadotrope Cells. Student Poster. Society for the Study of Reproduction Annual Meeting. Ottawa, CA Online.
6. Jing Liu; Cassidy Enloe; John S Oakey; Katie Li- Oakey. 2020. 7/13/20. Engineering Immunofunctional Polyethylene Glycol Hydrogel Interfaces for the Capture of CTCs by Controlled Oxygen-Inhibited Photopolymerization. Student Poster. EMBL Conference on Microfluidics: Designing the Next Wave of Biological Inquiry. Online.
7. Zachary Michael M Geisterfer; Jesse C Gatlin; Daniel Y Zhu. 2020. 7/14/20. Microtubule Growth Rates Are Sensitive to Global and Local Changes in Microtubule Plus-End Density. Student Oral. Spindle Working Group. Simons Foundation Biophysical Modeling Group. Courant Institute. NY, NY.
8. Domen Novak. 2020. 7/20/20. Haptic coupling in dyads improves motor learning in a simple force field. Faculty Oral. 42nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Online.
9. Maysam Mousaviraad. 2020. 7/22/20. Echocardiography-Based Computational Fluid-Structure Interaction Cardiac Modeling. Faculty Oral. 14th World Congress in Computational Mechanics (WCCM). ECCOMAS Congress 2020. Paris, France.
10. Tarissa Spoonhunter. 2020. 8/5/20. Partnerships in Traditional Ecological Knowledge for STEM. Faculty Oral. Native American Education Conference. Riverton, WY.
11. Domen Novak. 2020. 8/6/20. Rehabilitation engineering research at the University of Wyoming. Faculty Oral. Invited talk at Hiroshima University. Hiroshima. Japan.
12. Jason Gigley. 2020. 9/11/20. Understanding Innate Lymphoid Cells in Chronic *Toxoplasma gondii* infection. Faculty Oral. MOLB Monday Seminar. Laramie WY.
13. Todd Schoborg. 2020. 9/15/20. The microtubule binding protein Abnormal Spindle (Asp) contributes to brain growth control through multiple mechanisms. Faculty Oral. Northwest Developmental Biology Meeting. Online.

14. Brian Cherrington. 2020. 9/25/20. The Function of Citrullination in the Anterior Pituitary Gland. Faculty Oral. Biology Department Seminar Series. University of Northern Colorado. Greeley, CO. Online.
15. Ross Cook; Danielle Bruns; Benjamin David McNair. 2020. 9/28/20. Right Heart Failure: Age. Sex and High Altitude. Student Oral. Molecular Biology's Molecular Monday Seminar Series. Molecular Biology. Univ. of Wyoming. Laramie, WY.
16. Jing Liu; Cassidy Enloe; Ralph McBride; John S Oakey; Katie Li-Oakey. 2020. 10/5/20. Engineering Multiply Encapsulated Microgels for Controlled Long-Term Drug Delivery. Student Poster. Micro TAS 2020 Conference. Online.
17. Domen Novak. 2020. 10/15/20. Online. reality and serious games for upper extremity rehabilitation. Faculty Oral. American-Slovenian Education Foundation invited lecture. Online. organized by American-Slovenian Education Foundation.
18. David Tanner. 2020. 10/16/20. Bee Genomics. Faculty Oral. Wyoming INBRE Fall Retreat. Online.
19. Todd Schoborg. 2020. 11/6/20. Role of glial cells and the inflammatory response in brain growth control. Faculty Oral. INBRE Chalk Talk. Online.
20. Ami Erickson. 2020. 11/7/20. Evaluating Vitis vinifera Productivity in Sheridan. Wyoming. Student Poster. American Society of Horticultural Science Annual Conference. Las Vegas. NV.
21. Jason Gigley. 2020. 11/11/20. Iron Regulation of Chronic Toxoplasma gondii Infection and Immunity. Faculty Oral. INBRE Chalk Talk. Laramie WY.
22. John S Oakey. 2020. 11/11/20. Microfabricated Hydrogels for Therapeutics and Diagnostics. Faculty Oral. Materials Science and Engineering Seminar Series. University of Wyoming. Laramie, WY.
23. Daniel L. Levy. 2020. 11/16/20. Nuclear size regulation in early development and cancer. Faculty Oral. Promotion Talk. Laramie, WY.
24. Daniel L. Levy. 2020. 12/2/20. INBRE pilot project: Organelle size scaling in living sea urchin embryos. Faculty Oral. INBRE c=Chalk Talk. Laramie, WY.
25. Vikram E Chhatre. 2020. 12/9/20. Climate Change and the Health of North American Forests. Faculty Oral. Sheridan Science Museum Lecture Series. Wyoming. Online.
26. Domen Novak. 2020. 12/11/20. Physiological synchronization as a tool for enhancing computer-mediated communication and collaboration. Faculty Oral. Mountain West Clinical and Translational Infrastructure Network ATRIP Seminar. Online.
27. Pan Chen. 2020. 12/14/20. Chromatin organization regulates nuclear size in *Xenopus laevis* egg extract. Student Poster. ASCB Annual Meeting. Online.
28. Sampada Mishra. 2020. 12/14/20. F-actin and lamin A dependent regulation of nuclear shape in *Xenopus* egg extracts. Student Poster. ASCB annual meeting. Online.



29. Chase Wesley. Dan Levy. 2020. 12/14/20. Lamin B1 dynamics are differentially sensitive to levels of specific nuclear envelope proteins in iPS and germ layer cells. Student Poster. ASCB annual meeting. Online.
30. Domen Novak. 2020. 12/17/20. Multi-user Online. environments for motor rehabilitation. Faculty Oral. Shirley Ryan Ability Lab invited talk. Online. organized by Shirley Ryan Ability Lab (Chicago. IL).
31. Domen Novak. 2021. 1/19/21. Becoming bionic: the science of robotic exoskeletons. Faculty Oral. Saskatchewan Girl Guides of Canada invited talk. Online.
32. Tarissa Spoonhunter. 2021. 2/24/21. Biodiversity chats: Hunting and Fishing Access in Wyoming. Faculty Oral. Biodiversity Institute. Laramie WY.
33. Tarissa Spoonhunter. 2021. 2/24/21. Hunting and Fishing importance for Indigenous Communities. Faculty Oral. UW Biodiversity Institute. University of WY.
34. Domen Novak. 2021. 3/3/21. Harnessing Physiological Synchronization and Hyperscanning to Enhance Collaboration and Communication. Faculty Oral. Frontiers in Neuroergonomics webinar. Online.
35. Rajesh Deb; Debashis Dutta. 2021. 3/10/21. Improvement in on-chip pressure generation capability through optimization of the channel dimensions. Student Oral. Pittcon 2021. Online.
36. Russell Todd. 2021. 4/1/21. Temporal Availability of Ebbinghaus Illusions on Perceiving and Interacting with 3D Objects in a Contextual Online. Environment. Student Oral. IEEE VR 2021. Lisbon. Portugal.
37. Ava McKeever; Kevin Fontana; Rodney Lee Tanner. 2021. 4/14/21. Bioinformatics. Student Oral. Spring INBRE Network Conference. Online.
38. Ross Cook; Samantha Shorthill; Musharraf Yusifova; Danielle Bruns. 2021. 4/15/21. Advanced Age Exacerbates Pulmonary Hypertension-Induced Right Ventricular Dysfunction. Student Poster. Rocky Mountain American College of Sports Medicine Annual Meeting. Online.
39. Gareth Flowers. 2021. 4/26/21. Non-Spherical Hydrogel Particles for 3D Printed Composite Tissue Scaffolds. Student Oral. INBRE 2021 Spring Presentations. Pre-recorded. Online.
40. Aykhan Farrux Yusifov. 2021. 4/28/21. Transcriptomic Analysis Of Cardiac Gene Expression Across The Life-Course In Male And Female Mice. Student Oral. Experimental Biology. Online.
41. Ross Cook; Samantha Shorthill; Danielle Bruns. 2021. 4/28/21. Cardiomyocyte-specific deletion of AMP-activated protein kinase exacerbates right ventricular dysfunction in pulmonary hypertension. Student Poster. Experimental Biology. Online.
42. Paraskevi (Evelyna) Kambanis; Angeline Bottera; Heather Sophie Bronston; Kyle De Young. 2021. 4/30/21. The effects of bright light exposure on binge eating and other clinical features among individuals with clinically significant binge eating. Student Oral. International Conference on Eating Disorders. Online.

43. Paraskevi (Evelyna) Kambanis; Angeline Bottera; Christopher Mancuso; K Cassk; K Lohse; J Benable; Judy Oakes; Ashlie Watters; Craig Johnson; Phillip Mehler; Kyle De Young. 2021. 4/30/21. Content and degree of delusionality of beliefs among individuals acutely ill with anorexia nervosa. Student Poster. International Conference on Eating Disorders. Online.
44. Florence Teule-Finley; Brian Cherrington; Heather Rothfuss. 2021. 5/1/21. Disruption of human tubulin beta citrullination through mutagenesis: effects on mutant tubulin polymerization and kinesin binding affinity. Student Oral. University of Wyoming Undergraduate Research and Inquiry Across the Disciplines. Laramie, WY.
45. Mindy McIntosh; Thomas Haack; Eric Mechalke. 2021. 5/1/21. Proteoglycans and the Oyster Mushroom: finding the immunomodulating protein. Student Oral. University of Wyoming Undergraduate Research and Inquiry Across the Disciplines. Laramie, WY. (Online).
46. Taylor Berg; Aaron Clifford; Brooklynn Counts; Ingelin Saestad; Caitlyn Edwards; John Chase. 2021. 5/1/21. Revealing the Resistome. Student Oral. University of Wyoming Undergraduate Research and Inquiry Across the Disciplines. Laramie, WY.
47. Melody Halder; Heather Rothfuss; Caitlyn Edwards; Florence Teule-Finley; Brian Cherrington. 2021. 5/1/21. Site-Directed Mutagenesis of Human Tubulin Genes. Student Oral. Undergraduate Research and Inquiry Across the Disciplines Conference. Laramie, WY.
48. Joel Sorensen; Dagmara Motriuk-Smith; R Scott Seville. 2021. 5/1/21. The Morphology and Identification of Eimeria parasites infecting cottontail rabbits. *Syvilagus audubonii*. Student Oral. University of Wyoming Undergraduate Research and Inquiry Across the Disciplines. Laramie, WY.
49. Wyatt Horrocks. 2021. 5/1/21. Freezing Tardigrades to See Effect on Desiccation Tolerance. Student. Other. Undergraduate Research Day. Online.
50. Kevin Fontana; Milissa J Denevan; Ava McKeever; Rodney Lee Tanner. 2021. 5/1/21. Bioinformatics. Student Poster. Wyoming INBRE Undergraduate Research & Inquiry Across the Disciplines. Laramie, WY.
51. Candace A Siirila. 2021. 5/1/21. Life History Factors Important in Incidence of White-nose Syndrome (*Pseudogymnoascus destructans*) among North American Bats. Student Poster. Wyoming INBRE Undergraduate Research & Inquiry Across the Disciplines. Laramie, WY.
52. Alison Hayes; Ashton Munoz. 2021. 5/1/21. The Dark Side of Scat: Our Journey to Understanding Zoonotic Pathogens. Student Poster. 2021 Wyoming INBRE Undergraduate Research & Inquiry Across the Disciplines. Laramie, WY.
53. Kelsey Reuhling; Harneel Kauer; Nicolas Blouin; Bledar Bisha; Sarah Collins. 2021. 6/6/21. UNDERSTANDING THE CONTRIBUTIONS OF MICROBIAL SOURCES TO SURFACE WATER TO INFORM MANAGEMENT OF WATERBORNE PATHOGENS IN WYOMING. Student Poster. Society of Freshwater Science Annual Meeting. Online.
54. Addison G. Allen; Zachary P. Roehrs; Robert (Scott) Scott Seville; Hayley C. Lanier. 2021. 6/15/21. Competitive release during fire succession drives ecological turnover in a small mammal community (Anna M. Jackson Graduate Student Award Winner). Student Oral. 100th Annual Meeting of the American Society of Mammalogists. June 2021. Online.
55. Shaonil Binti; Rosa V. Melinda; David Fay. 2021. 6/22/21. A life cycle alteration can correct molting defects in *Caenorhabditis elegans*. Student Poster. 23rd International C. elegans Conference. Online.

56. Braveen Joseph; Shaonil Binti; David S Fay. 2021. 6/24/21. Loss of a conserved protease can suppress molting defects. Student Poster. 23rd C. elegans International Meeting. Online.
57. Braveen Joseph; David S Fay. 2021. 6/25/21. Regulation of vesicular trafficking by NEK family kinases. Student Poster. 23rd C. elegans international meeting. Online.
58. Shaonil Binti; David S Fay; Braveen Joseph. 2021. 6/26/21. A Life cycle alteration can correct defects in molting. Student Oral. 23rd C. elegans international meeting. Online.
59. Luis A Hernandez. 2021. 7/29/21. Biotyping *Pasteurellaceae* spp. Isolates From Nasal Samples of Domestic Sheep. Student Oral. INBRE Summer Presentations. University of Wyoming. Laramie, WY.
60. Abigail Mariah Saville. 2021. 7/29/21. Comparison of Bacteria Isolates Between Sick and Healthy Bighorn Sheep Herds. Student Oral. WY. INBRE Summer Research Symposium. University of Wyoming. Laramie, WY.
61. Madison Davis. 2021. 7/29/21. Confirming the Role of CBU1261 in Coxiella Pathogenesis. Student Oral. WY. INBRE Summer Undergraduate Research Symposium. University of Wyoming. Laramie, WY.
62. Payton Peterson. 2021. 7/29/21. Individualized Hydrogels for Peripheral Nerve Regeneration. Student Oral. INBRE Summer Undergraduate Research Symposium. University of Wyoming. Laramie, WY.
63. Brandon Daniel Phillips. 2021. 7/29/21. The Cardiopulmonary Effect of Propylene Glycol and Vegetable Glycerin from E-Cigarette Vapor. Student Oral. INBRE Summer Undergraduate Research Symposium. Wyoming Union. University of Wyoming. Laramie, Wyoming.
64. Todd Schoborg. 2021. 7/30/21. The microtubule binding protein Abnormal Spindle (Asp) contributes to brain growth control through multiple mechanisms. Faculty Oral. Front Range Cytoskeletal Meeting. Online.
65. Vikram E Chhatre; Sean Harrington; Braveen Joseph. 2021. 8/17/21. Summer of Code. Student Oral. Independent workshop. Online.
66. Steven M. Poyer. 2021. 8/27/21. Investigating the relationship between disorder and function. Student Oral. INBRE Summer 2021 Symposium. University of Wyoming. Laramie, WY.
67. Rafael Ozan Homer. 2021. 8/27/21. Understanding C. elegans Molting: Discovery of New Pieces of the Puzzle. Student Oral. INBRE Summer Undergraduate Research Symposium 2021. Student Union Ballroom. University of Wyoming. Laramie, WY.
68. Ling Li; Yu Song; Boyi Dai. 2021. 9/3/21. Comparisons of pre-landing and early landing knee flexion angles between sexes and landing tasks. Student Oral. International Society of Biomechanics in Sports Meeting. Online.
69. Yu Song; Ling Li; Elizabeth Albrandt; Boyi Dai. 2021. 9/3/21. Medial-lateral hip positions predicted kinetic asymmetries during bilateral squats in collegiate athletes following ACLR. Student Oral. International Society of Biomechanics in Sports Meeting. Online.
70. Thomas Boothby. 2021. 9/15/21. Using extremophiles to develop methods to induce reversible biostasis in human whole blood. Faculty Oral. National Blood Foundation Annual Meeting. Online.

71. Kyle De Young; Angeline Bottera; Paraskevi (Evelyna) Kambanis; Christopher Mancuso. 2021. 9/15/21. The administration of bright morning light increases the amplitude of the cortisol awakening response and reduces the urge to binge eat in women with clinically significant binge eating. Faculty. Poster. Eating Disorder Research Society Annual Meeting. Boston. MA. Online.
72. Jing Liu; Cassidy Enloe; Alan Stenquist; Katie Li-Oakey; John S Oakey. 2021. 10/11/21. Photopatterning and Tuning Cell Adhesive Moieties in PEG Hydrogel By Controlling Moieties Availability at Hydrogel Interface. Student Poster.  $\mu$ TAS 2021. Palm Springs. CA / Online.
73. Ben Noren; Alan Stenquist; John S Oakey. 2021. 10/12/21. Decoupling Cell and Matrix Interactions to Simulate Therapeutic Biomaterial Delivery. Student Poster.  $\mu$ TAS 2021. Palm Springs. CA / Online.
74. Alex Minge; Aidan Hereford; Ryan Towne. 2021. 10/13/21. BIKES. Student Oral. INBRE undergraduate conference. Online.
75. Madison Worthy. 2021. 10/15/21. Microplastic Science in Wyoming's Remote Dinwoody Cirque. Student Oral. Wyoming INBRE Fall Retreat. Online.
76. Chelsea-Victoria Turner; Talon Cole; Ami N Erickson. 2021. 10/15/21. Three Sisters Gardening: Researching the efficiency of the three sisters gardening. Student Oral. INBRE Fall 2021. Online.
77. Florence Teule-Finley; Brian Cherrington; Heather Rothfuss. 2021. 10/15/21. Using site-directed mutagenesis to investigate the impact of defective citrullination on microtubule polymerization and transport function. Student Oral. Wyoming INBRE Fall Research Network Retreat. Casper. WY.
78. Joshua Clayton; Daniel Casper. 2021. 10/15/21. Environmental Tolerance Limits of Soil Algae and Fungi. Student Oral. Wyoming INBRE Fall Retreat. Online.
79. Chelsea-Victoria Turner. 2021. 10/15/21. Three Sisters Gardening: Investigation of Companion Cropping Design. Student Oral. WY. INBRE Fall Retreat. Online.
80. Madi Talley; David Tanner; Quincy Ann Stewart. 2021. 10/15/21. Evolution of a Dune Specialist Bee. Student. Other. INBRE Fall Retreat. Online.
81. Mindy McIntosh. 2021. 10/15/21. Extraction and isolation of proteoglycans from *Pleurotus ostreatus*. Student. Other. INBRE Fall 2021. Online.
82. Stephen Lee Denton. 2021. 10/21/21. Theft of Host Iron Machinery By Parasite *Toxoplasma gondii*. Student Oral. Rocky Mountain ASM Fall Meeting. Online.
83. Dalton Hass; Benjamin Miller; Boyi Dai; Domen Novak; Maja Gori. 2021. 11/1/21. Design and pilot evaluation of a prototype sensorized trunk exoskeleton. Student. Other. International Conference of the IEEE Engineering in Medicine and Biology Society. Online.
84. Maja Gori; Yu Song; Alwyn Johnson; Boyi Dai; Domen Novak. 2021. 11/1/21. Simultaneously varying back stiffness and trunk compression in a passive trunk exoskeleton during different activities: a pilot study. Student. Other. International Conference of the IEEE Engineering in Medicine and Biology Society. Online.
85. Michael E Dillon; Megan Dillon. 2021. 11/1/21. Expression of ion-gated channels and population differentiation in cold tolerance of bumble bees (Genus *Bombus*). Student Poster. Entomology 2021. Denver, CO.

86. Matteo Ricciardi; Gavin Martin. 2021. 11/1/21. The art of displaying science with art: creating a biology display from an artistic perspective. Student Poster. Annual national meeting of the Entomological Society of America. Denver, CO.
87. Ryen Nielsen; Haleigh Vahlbusch; Christopher Hair; Gavin Martin. 2021. 11/1/21. You Would Not Believe Your Eyes: Using Predictive Modeling to Estimate Locations of Lampyridae Populations in the Intermountain West. Student Poster. Annual national meeting of the Entomological Society of America. Denver, CO.
88. Thomas Boothby. 2021. 11/9/21. Inducing Biostasis in Dry Human Platelets. Faculty Oral. DARPA Biostasis meeting. Online.
89. Danielle Bruns. 2021. 11/11/21. Exercise during the juvenile period protects against cardiac dysfunction later in life. Faculty. Poster. Gerontological Society of America. Online.
90. Yohannes Getiye Estifanos. 2021. 11/13/21. Electronic cigarette vaping with or without heating the e-liquid induces differential remodeling in the lungs and right heart of mice. Student Poster. American Heart Association Scientific Sessions 2021.
91. Judah W Serrano; Tamara M Abu-Ramadan; John M Vasko; Will Canu; Elizabeth Lefler; Cynthia M Hartung. 2021. 11/19/21. Attention- Deficit/ Hyperactivity Disorder and psychological need satisfaction and frustration in college students. Student Poster. 55th annual meeting of the Association of Behavioral and Cognitive Therapies. New Orleans, LA.
92. Samantha Power; Katelyn J Kotlarek. 2021. 11/19/21. Morphology of the Palatoglossus Muscle Using MRI: A Feasibility Study. Student Poster. 2021 American Speech-Language-Hearing Association Convention. Washington, DC.
93. Christopher R Shelton; Cynthia M Hartung; Will Canu. 2021. 11/20/21. Feasibility and acceptability of an internet-based intervention for emerging and young adults with ADHD. Faculty. Poster. 55th annual meeting of the Association of Behavioral and Cognitive Therapies. New Orleans, LA.
94. John M Vasko; Adam Conner; Judah W Serrano; Tamara M Abu-Ramadan; Joel T Nigg; Cynthia M Hartung. 2021. 11/20/21. Working Memory and Arousal in College Students with and without Attention-Deficit/Hyperactivity Disorder (ADHD). Student Poster. 55th annual meeting of the Association of Behavioral and Cognitive Therapies. New Orleans. LA
95. Yu Song; Ling Li; Boyi Dai. 2021. 12/3/21. Using trunk kinematics to predict kinetic asymmetries during double-leg jump-landings in collegiate athletes following anterior cruciate ligament reconstruction. Student Oral. Hong Kong Association of Sports Medicine and Sports Science Student Conference. Online.
96. Vikram E. Chhatre; Sean Harrington. 2021. 12/3/21. Population Genomic Data Analysis. Student Oral. Independent workshop. University of Wyoming. Laramie, WY.
97. Uwemedimo Gladstone Udoh; John Bruno; Pratt Kara. 2021. 12/6/21. SEROTONIN MODULATES RETINOTECTAL SYNAPTIC TRANSMISSION IN *XENOPUS LAEVIS* TADPOLES THROUGH PI3K SIGNALING. Student Oral. Front Range Neuroscience Group 18th Annual Meeting. The Hilton in Fort Collins, CO.
98. Thomas Boothby. 2021. 12/7/21. Molecular Swiss Army Knives: Tardigrade CAHS Proteins Mediate Desiccation Tolerance Through Multiple Mechanisms. Faculty Oral. ASCB Annual Meeting. Online.

99. Sampada Mishra; Daniel Levy. 2021. 12/8/21. Nuclear F-actin and Lamin A dependent regulation of nuclear shape. Student Poster. American Society for Cell Biology Annual Meeting. Online.
100. Chase Wesley; Daniel Levy. 2021. 12/9/21. Differentiation-dependent changes in Lamin B Receptor (LBR) localization influence lamin B1 dynamics and expression of differentiation markers. Student Oral. American Society for Cell Biology Annual Meeting. Online.
101. Chase Wesley; Dan Levy. 2021. 12/11/21. Differentiation-dependent changes in Lamin B Receptor (LBR) localization influence lamin B1 dynamics and expression of differentiation markers. Student Poster. Cell Bio Online. 2021. Online.
102. Candace A Siirila; Eric Christopher Atkinson. 2021. 12/14/21. Life History Factors Important in Incidence of White-nose Syndrome (*Pseudogymnoascus destructans*) Among North American Bats. Student Poster. NCUR 2021 @Home National Conference on Undergraduate Research. Online.
103. Kirsten Kapp. 2021. 12/15/21. Microplastics and the Columbia River. Faculty Oral. Columbia Riverkeepers Webinar Series. Online.
104. Trent Bronnenberg; Amy Navratil; Colin Clay; Brian Cherrington. 2021. 12/17/21. Obesity alters the estrogen-induced luteinizing hormone surge in ovariectomized ewes. Student Oral. Society for the Study of Reproduction. St. Louis. MO.
105. Trent Bronnenberg; Amy Navratil; Colin Clay; Brian Cherrington. 2021. 12/17/21. Obesity alters the estrogen-induced luteinizing hormone surge in ovariectomized ewes. Student Poster. Society for the Study of Reproduction. St. Louis, MO.
106. Brett Ralston; Lamia Khan; Stanley B DeVore; Trent Bronnenberg; Paul R Thompson; Amy M Navratil; Brian Cherrington. 2021. 12/17/21. Peptidyl Deiminase 2 Represses Expression of the DGCR8 Microprocessor Complex Subunit Affecting miRNA Biogenesis in Gonadotrope Cells. Student Poster. Society for the Study of Reproduction. St. Louis, MO.
107. Trent Bronnenberg; Kelley Kirkley; Christianne Magee; Dilyra Murtazina; Whitney C Stewart; Jeremy Cantlon; Amy Navratil; Colin M Clay; Brian Cherrington. 2021. 12/18/21. Obesity Alters the Estrogen Induced Luteinizing Hormone Surge in Ovariectomized Ewes. Student Oral. Society for the Study of Reproduction. St. Louis, MO.
108. Elizabeth Brianne Quigley; Trent Bronnenberg; Amy Navratil; Brian Cherrington. 2021. 12/18/21. Peptidylarginine Deiminase 2 Represses Expression of the DGRC8 Microprocessor Complex Subunit Affecting miRNA Biogenesis in Gonadotrope Cells. Student Poster. Society for the Study of Reproduction. St. Louis, MO.
109. Annie Narahara Bergman. 2022. 1/12/22. Resilience. Communication. and Mentoring Skills for Scientists. Faculty Oral. UW Veterinary Sciences faculty and graduate student annual retreat. Online.
110. Stephen Lee Denton; Jason Gigley. 2022. 1/24/22. Theft of Host Iron Machinery By Parasite *Toxoplasma gondii*. Faculty Oral. Invited talk. Instituto Gulbenkian de Ciencia. Oeiras, Portugal.
111. Kirsten Kapp. 2022. 2/2/22. Microplastics in our Rivers: From the mountains to the sea. Faculty Oral. Yakima Valley College Climate Environment and Club. Online.
112. Elliott Hulley. 2022. 3/22/22. Systematic Approaches to Studying C-H Acidification by Transition Metals. Faculty Oral. National Meeting of the American Chemical Society. San Diego, CA.

113. Cherie Hesgrove. 2022. 3/25/22. Role of Water Coordination in Protective Functions of Stress-Tolerance Proteins. Student Oral. Extreme Biology and Biophysics RCN. Los Alamos, NM.
114. Anne Dalton. 2022. 4/6/22. More Than Meets the Eye: Microplastic Accumulation in the Mountainous Snowpack of Wyoming. Student Oral. National Conference on Undergraduate Research. Online.
115. Shalini Chakraborty; Todd Schoborg. 2022. 4/6/22. Exploring molecular mechanisms of Abnormal spindle function in brain growth and development. Student Poster. Drosophila Research Conference. San Diego, CA.
116. Maria Constanza Mannino; Todd Schoborg. 2022. 4/6/22. The neurodevelopmental transcriptional landscape of a fly model for human microcephaly. Student Poster. Drosophila Research Conference. San Diego, CA.
117. Quincy Stewart; Madi Talley; Kolbi Hester. 2022. 4/14/22. Testing DNA Extraction Protocol for *Anthidium roductum*. Student Poster. INBRE Conference. University of Wyoming. Laramie, WY.
118. Eunsook Park. 2022. 4/21/22. Autophagy: a new target biological process to develop effective antifungal drugs for human fungal diseases. Faculty Oral. Wyoming INBRE Research conference. Laramie, WY.
119. Xiaoming Zhang. 2022. 4/21/22. Coupled Numerical Simulation for Granular Flows. Student Poster. WY INBRE Conference. UW Conference Center. Laramie, WY.
120. Jongchan Woo; Eunsook Park; Seungmee Jung. 2022. 4/21/22. Developing novel species-specific autophagy modulators with a therapeutic potential against fungal pathogens. Faculty. Poster. Wyoming INBRE annual research conference. M. H. Rochelle Conference Center. Laramie, WY.
121. Emily Schmitt; William Todd; Danielle Bruns; Musharraf Yusifova; Nicholas A. Marcello. 2022. 4/22/22. Physical Activity as a Novel Tool to Reset the Misaligned Molecular Clock. Faculty Oral. INBRE Conference. Laramie, WY.
122. Christopher Wenzel; Simon Rachou; John S Oakey. 2022. 4/22/22. Soil on a Chip: An Integrated Microfluidic Platform for Plant-Fungal Observations. Faculty Oral. Wyoming INBRE Spring Conference. Laramie, WY.
123. Aedian E. O'Connor; Emily Schmitt; Musharraf Yusifova; Danielle Bruns; Ana-Clara Bobadilla. 2022. 4/22/22. Acclimation to Moderate Altitude Induces Physiological Adaptations in Mice. Student Poster. WY INBRE Conference. Laramie, WY.
124. Luke Wilhoit; Fatoumata Camara; Gareth Bruce; Neza Pec; Christopher Wenzel. 2022. 4/22/22. Environmental Tolerance Limits of Soil Algae and Fungi. Student Poster. Wyoming INBRE Spring Conference. Laramie, WY.
125. Seanna Latimer; Joshua Holmes. 2022. 4/22/22. Identification of Binding Determinates for Disordered- Ordered Protein Interactions. Student Poster. WY. INBRE Network Research Conference. Laramie, WY.
126. Ji Yoon Guk; Jin-Wook Choi; Seungmee Jung; Solhee In; Sean Harrington; Seungill Kim; Eunsook Park. 2022. 4/22/22. Identification of Stromule Regulatory Genes by RNA Sequencing. Student Poster. INBRE Spring Research Conference. University of Wyoming Conference Center. Laramie, WY.

127. Dean He; Alyssa Trujillo; Mason Agor; Thomas Haack; Duke Beddes; Elizabeth Brianne Quigley; Heather Rothfuss; Amy Navratil; Florence Teule-Finley. 2022. 4/22/22. In Vivo Study of Microtubule Dynamics in Female Murine Gonadotrophs Using a Green Fluorescently-Tagged End Binding 1 Protein: Engineering the EB1-GFP Gene into a Recombinant Adenovirus. Student Poster. Wyoming IDeA Networks for Biomedical Research Excellence Spring Research Conference. Laramie, WY.
128. Bridger B Sparks; Brenda Alexander; Kathleen J Austin. 2022. 4/22/22. Influence of RFamide Related Peptide 3 (RFRP-3) on ovarian cancer cells (SKOV-3 cell line). Student Poster. Wyoming INBRE Conference. University of Wyoming. Laramie, WY.
129. Mallory Lai; Macy Ricketts; Timothy Robinson. 2022. 4/22/22. Making correlation networks out of nothing at all: How the characteristics of microbial data each contribute to spurious correlation. Student Poster. Wyoming INBRE symposium. 1000 E University Ave. Laramie, WY.
130. Chelsea-Victoria Turner; Lindsie Farver. 2022. 4/22/22. Mycorrhizal Inoculant from Online Market Does Not Provide the Results Promised. Student Poster. WY. INBRE Network Research Conference. Laramie, WY.
131. Caitlyn Edwards; Alyssa Trujillo; Dean He; Heather Rothfuss; Brian Cherrington; Florence Teule-Finley. 2022. 4/22/22. The Impact of Mutagenesis-Induced Defective Citrullination on Microtubule Polymerization and Function. Student Poster. Wyoming IDeA Networks for Biomedical Research Excellence Spring Research Conference. Laramie, WY.
132. Joel Sorensen. 2022. 4/22/22. The Morphology and Identification of Eimeria Parasites Infecting Cottontail Rabbits (*Sylvilagus audubonii*). Student Poster. INBRE Conference. Laramie, WY.
133. Evan Johnson; Francois peronnet; Lisa Jansen; J. D. Adams; Stavros Kavouras. 2022. 4/22/22. Sex and Habitual Water Intake are Related to Dimensions of Mood. Student Poster. Rocky Mountain Regional ACSM Conference. Golden, CO.
134. Katelan Rogers; Katelyn J Kotlarek. 2022. 4/23/22. Continuing Education Needs of Speech - Language Pathologists Regarding Children with Cleft Palate Across Areas of Varying Population Density. Student Oral. INBRE Conference. University of Wyoming; Laramie, WY.
135. Bridger B Sparks; Brenda Alexander; Kathleen J Austin. 2022. 4/23/22. Influence of RFamide Related Peptide 3 (RFRP-3) on ovarian cancer cells (SKOV-3 cell line). Student Oral. Undergraduate Research and Inquiry Day. University of Wyoming. Laramie, WY.
136. Jack Govaerts. 2022. 4/23/22. Strain Between Strains: Antagonism and Cooperation in Myxobacterial Development. Student Oral. INBRE 2022 Spring Conference. Laramie, WY.
137. Katelan Rogers; Katelyn J Kotlarek. 2022. 4/23/22. Continuing Education Needs of Speech - Language Pathologists Regarding Children with Cleft Palate Across Areas of Varying Population Density. Student Poster. INBRE Conference. University of Wyoming; Laramie, WY.
138. Quillan F. Reed; Mindy McIntosh. 2022. 4/23/22. Extraction, isolation, and Identification of Mushroom Proteoglycans. Student Poster. INBRE Spring 2023. Laramie, WY.
139. Dean He; Alyssa Trujillo; Mason Agor; Thomas Haack; Duke Beddes; Caitlyn Edwards; Elizabeth Brianne Quigley; Heather Rothfuss; Amy Navratil; Florence Teule-Finley. 2022. 4/23/22. In Vivo Study of Microtubule Dynamics in Female Murine Gonadotrophs Using a Green Fluorescently-Tagged End Binding 1 Protein: Engineering the EB1-GFP Gene into a Recombinant Adenovirus. Student Poster. Wyoming Undergraduate Research and Inquiry Conference. Laramie, WY.



140. Bridger B Sparks; Brenda Alexander; Kathleen J Austin. 2022. 4/23/22. Influence of RFamide Related Peptide 3 (RFRP-3) on ovarian cancer cells (SKOV-3 cell line). Student Poster. Undergraduate Research and Inquiry Day. University of Wyoming. Laramie, WY.
141. Joel Sorensen. 2022. 4/23/22. The Morphology and Identification of Eimeria Parasites Infecting Cottontail Rabbits (*Sylvilagus audubonii*). Student Poster. Wyoming Undergraduate Research Day. Laramie, WY.
142. Mercedes Lynn Bartels Cassidy. 2022. 4/23/22. Evaluation of the transcriptional landscape of a microcephaly Drosophila brain. Student Poster. University of Wyoming Undergraduate Research and Inquiry Day. University of Wyoming. Laramie, WY.
143. Annie Narahara Bergman. 2022. 4/25/22. UW Science Fair Enrichment Day. Faculty. Other. INBRE Enrichment Day: Crime Scene Investigation. UW Science Initiative - INBRE Data Science Lab. Laramie, WY.
144. Elizabeth Case. 2022. 4/30/22. Confirming the role of CBU1261 in Coxiella Pathogenesis. Student Poster. ASM Rocky Mountain Branch Meeting. University of Wyoming. Laramie, WY.
145. Taylor Berg; Margaret L Biskup; Ingelin Saestad; Caitlyn Edwards; John Chase. 2022. 5/2/22. Antimicrobial Resistance in Nature: Resistome Connections. Student Poster. Undergraduate Research and Inquiry Day URID. Laramie, WY.
146. Macy Jacobson; Charlotte E. Snoberger. 2022. 5/2/22. Environmental Factors Affecting Species Diversity: A Study of Branchiopoda (freshwater crustaceans) in Central Wyoming Ephemeral Wetlands. Student Poster. Undergraduate Research and Inquiry Day URID. Laramie, WY.
147. Quillan F. Reed; Eric Mechalke. 2022. 5/2/22. Extraction and Identification of Mushroom Proteoglycans. Student Poster. Undergraduate Research and Inquiry Day URID. Laramie, WY.
148. Erica Mountain; Riley F. Bernard. 2022. 5/2/22. Investigation of the Presence of West Nile Virus in Wyoming Bats. Student Poster. Undergraduate Research and Inquiry Day URID. Laramie, WY.
149. Taylor Berg; Margaret L Biskup; John Chase. 2022. 5/2/22. Rapid Identification of Pathogens and Antimicrobial Resistance Genes in the Food Supply by Nanopore Sequencing. Student Poster. Undergraduate Research and Inquiry Day URID. Laramie, WY.
150. Joel Sorensen; Dagmara Motriuk-Smith; Robert Scott Seville. 2022. 5/2/22. The Identification. Morphology. and Phylogeny of *Eimeria* Parasites Infecting Cottontail Rabbits (*Sylvilagus audubonii*). Student Poster. Undergraduate Research and Inquiry Day URID. Laramie, WY.
151. Ryan E Loghry; Charlotte E. Snoberger. 2022. 5/2/22. Wyoming Ground Squirrel Burrow Location in an Anthropogenic Environment. Student Poster. Undergraduate Research and Inquiry Day URID. Laramie, WY.
152. Kirsten Kapp. 2022. 5/5/22. Exploring the multidimensional world of microplastic pollution. Faculty Oral. Center for Biofilm Engineering Online. Seminar Series. Online.
153. Eric Christopher Atkinson. 2022. 5/6/22. Naturgemalde: Channeling Humboldt through graphic novels increasing comprehension and appreciation of the discipline of Ecology. Faculty. Poster. Learning Actively Mentoring Program. University of Wyoming. Laramie, WY.

154. Annie Narahara Bergman. 2022. 5/6/22. Navigating a Braided River: fostering resilience at many levels. Faculty. Poster. Learning Actively Mentoring Program (LAMP) Poster Session. UW Science Initiative. Laramie, WY.
155. Skylar Hodgins; Levi T Flom; Lucio Vaccaro; Kathryn Sandum; Ana-Clara Bobadilla. 2022. 5/11/22. Structural Plasticity of Dendritic Spines Within Cocaine-Seeking Neuronal Ensembles. Student Poster. University of Wyoming Board of Trustees Research & Economic Development Meeting. Laramie, WY.
156. Julie Anne Emily Allgood; Kelly Raballo; John S Oakey; Jared Bushman. 2022. 5/14/22. Allografts in Combination with Local Immune Suppression as a Strategy to Improve Peripheral Nerve Regeneration. Student Poster. Peripheral Nerve Society Annual Meeting. Miami, FL.
157. Kelsey Reuhling; Nicolas Blouin; Bledar Bisha; Sarah Collins. 2022. 5/16/22. Agricultural land-use and flow variation influence bacterial loading in Wyoming streams. Student Poster. Joint Aquatic Science Meeting. Grand Rapids, MI.
158. Emily Schmitt; William Todd; Nicholas A. Marcello. 2022. 5/17/22. Effects of Exercise on Realigning a Disrupted Molecular Clock. Faculty. Poster. Society for Research on Biological Rhythms. Amelia Island, FL.
159. Tathagato Roy. 2022. 5/26/22. Sexual dimorphism in CD4+ T cell regulating innate immunity to acute *Toxoplasma gondii* infection. Student Oral. 16th International Congress on Toxoplasmosis and *Toxoplasma gondii* Research. Riverside, CA.
160. Alexys McGuire; Kennneth Gerow; Sarah Collins; Kelly Woodruff; Bledar Bisha. 2022. 6/9/22. Employing wastewaterbased epidemiology for surveillance of SARS-CoV-2 in Wyoming communities. Student Poster. American Society for Microbiology Microbe. Washington, D.C.
161. Judah W. Serrano. 2022. 6/11/22. The Relation Between ADHD Symptoms and Alcohol/Cannabis Use Outcomes: The Mediating Role of Experiential Avoidance. Student Poster. the Association for Contextual Behavioral Science Annual Convention. San Francisco, CA.
162. Annie Narahara Bergman. 2022. 6/13/22. Facilitating small group discussions for NIH-OITE Becoming a Resilient Scientist. Faculty Oral. NIH-OITE Small Group Facilitation workshop for Becoming a Resilient Scientist. Online.
163. John S Oakey. 2022. 6/14/22. Microfluidic Encapsulation for the Design of Intra- and Extracellular Niches. Faculty Oral. ETH Zurich Soft and Living Matter Laboratory Seminar Series. Zurich, Switzerland.
164. Danielle Bruns. 2022. 6/22/22. Mechanisms of nocturia in older adults and their potential rescue by exercise. Faculty Oral. Hydration 4 Health Scientific Conference. Online.
165. John S Oakey. 2022. 7/5/22. Microfluidic Encapsulation for the Design of Intra- and Extracellular Niches. Faculty Oral. Bayreuth University Department of Chemistry Seminar Series. Bayreuth, Germany.
166. Alan Stenquist; John S Oakey. 2022. 7/11/22. Gelation-controlled. fibrinogen solutions for continuous microfluidic droplet production. Student Oral. ACS Colloid & Surface Science Symposium. Golden, CO.

167. Amy Sando; John S Oakey. 2022. 7/11/22. Incircle Theory Predicts Equilibrium Particle Positions for Microfluidic Inertial Focusing Across Arbitrary Cross-Sectional Geometries. Student Oral. ACS Colloid & Surface Science Symposium. Golden, CO.
168. Jing Liu; John S Oakey. 2022. 7/11/22. Particle Surface Engineering for Structural Control in Injectable Polyethylene Glycol Granular Hydrogel Cell Scaffolds. Student Oral. ACS Colloid & Surface Science Symposium. Golden, CO.
169. Skylar Hodgins; Levi T Flom; Kathryn Sandum; Lucio Vaccaro; Ana-Clara Bobadilla. 2022. 7/12/22. Structural Plasticity of Dendritic Spines Within Cocaine-Seeking Neuronal Ensembles. Student Poster. Federation of European Neurosciences Society (FENS) Forum. Paris, France.
170. Shaonil Binti. 2022. 7/19/22. A life cycle alteration can correct molting defects in *Caenorhabditis elegans*. Student Poster. Joint Society for Developmental Biology and Pan-American Society for Evolutionary Developmental Biology Meeting. Vancouver, Canada.
171. Yu Song; Ling Li; Megan Jensen; Boyi Dai. 2022. 7/21/22. Jump-landing kinetic asymmetries persisted despite symmetric squat kinetics in collegiate athletes following ACL reconstruction. Student Oral. International Society of Biomechanics in Sports Meeting. Liverpool, UK.
172. Skylar Hodgins; Levi T Flom; Ana-Clara Bobadilla. 2022. 7/23/22. Plasticity at the head of substance use disorder: Characterizing dendritic spine morphology in nucleus accumbens cocaine-seeking ensembles. Student Oral. WY. INBRE Summer Internship Symposium 2022. Laramie, WY.
173. Zackariah Roderick J. Beck; Emma Oetken; Ami L. Wangeline; Gavin Martin; Zachary P. Roehrs; Sean Harrington. 2022. 7/25/22. First Look at Selenium Induced Differential transcriptomes in *alternaria astragalia*. Student Poster. American Botanical Society Conference - Botany 2022. Anchorage, AK.
174. Joseph Flock; Cindy Pru; John Lydon; John Oatley; James Pru; Amy Navratil. 2022. 7/27/22. Transcription Factor (TCF) 3 and TCF12 Regulate Female Reproduction in Part Through Gonadotrope Regulation of Luteinizing Hormone Expression and Secretion. Student Poster. Society for the Study of Reproduction. Spokane, WA.
175. Brandon Daniel Phillips. 2022. 7/28/22. Effects of e-cigarette vaping solvents. propylene glycol and vegetable glycerin. heating and non-heating on cardiac structure and pulmonary artery blood flow. Student Oral. Wyoming INBRE Symposium. 1000 E University Ave. Laramie, WY 82071.
176. Elizabeth Brianne Quigley; Shaihl Khan; Zachary Michael M Geisterfer; Brian Cherrington; Jesse C Gatlin; Amy Navratil. 2022. 7/29/22. GnRH Induced Acetylation of  $\alpha$ -Tubulin Regulates Microtubule Dynamics and Kinesin-1 Association in Gonadotrope Cells. Student Oral. Society for the Study of Reproduction. Spokane, WA.
177. Elizabeth Brianne Quigley. 2022. 7/29/22. Induced Acetylation of  $\alpha$ -Tubulin Regulates Microtubule Dynamics and Kinesin-1 Association in Gonadotrope Cells. Student Oral. Annual Meeting. Society for the Study of Reproduction. Spokane, WA.
178. Skylar Hodgins; Levi T Flom; Ana-Clara Bobadilla. 2022. 8/8/22. Plasticity at the head of substance use disorder: Characterizing dendritic spine morphology in nucleus accumbens cocaine-seeking ensembles. Student Oral. McNair Symposium 2022. Laramie, WY.
179. Brett Andrew Ralston. 2022. 8/16/22. Epigenetic Regulation of DGCR8 Inhibits Biogenesis of PTTG1 Targeting miRNAs 300 and 329 in Lactotrope Cells. Student Poster. 10th International Conference of Neuroendocrinology. Glasgow, Scotland.

180. Ling Li; Yu Song; Maddy Jenkins; Boyi Dai. 2022. 8/22/22. Correlations between pre-landing knee kinematics and landing forces. Student Oral. American Society of Biomechanics Meeting. Ottawa, Canada.
181. Yu Song; Ling Li; Megan Jensen; Boyi Dai. 2022. 8/22/22. Kinematic and kinetic asymmetries during squats and countermovement jumps in collegiate athletes following anterior cruciate ligament reconstruction. Student Poster. American Society of Biomechanics Meeting. Ottawa, Canada
182. Annie Narahara Bergman. 2022. 8/31/22. INBRE internships and volunteer STEAM opportunities. Faculty. Other. STEM Volunteer Meeting for UW undergraduates. UW Classroom 118. Laramie, WY.
183. Paraskevi (Evelyna) Kambanis; Angeline Bottera; Kyle De Young. 2022. 9/16/22. Effects of bright light exposure on reductions in binge eating for individuals with clinically significant binge eating characterized by high dietary restraint and negative affect. Student Oral. Eating Disorder Research Society Annual Meeting. Philadelphia, PA.
184. Katelyn Kotlarek. 2022. 9/16/22. Strategies for MRI in young children without sedation. Faculty Oral. Wyoming Society for Radiologic Technologists 2022 Annual Conference. Gillette, WY.
185. Angeline Bottera; Kyle De Young. 2022. 9/16/22. Variable sleep-wake timing predicts caloric intake and binge eating among college students with emotion regulation difficulties. Faculty. Poster. Eating Disorder Research Society Annual Meeting. Philadelphia, PA.
186. Riley F. Bernard; Erica Mountain. 2022. 9/23/22. Investigating Bats for the Presence of West Nile Virus. Faculty Oral. INBRE Fall Retreat. Casper, WY.
187. Isabella Gomez; Adam Cavagnetto; Allan H Childs; Michael Cuddy; Elise Kimble; Uko Udodong; Eric Christopher Atkinson. 2022. 9/23/22.  $\sqrt{i}$ Wasps. Bees. and Ants. Oh My! $\sqrt{i}$ : Metabarcoding the Hymenoptera Microbiome of the Big Horn Basin. Poster presented at Wyoming IDeA Networks for Biomedical Research Excellence Fall Research Conference. 22-24 September 2022. University of Wyoming-Casper. Cas. Student Poster. Wyoming IDeA Networks for Biomedical Research Excellence Fall Research Conference. University of Wyoming-Casper. Casper, WY.
188. Sadie Nan Tillotson; Paige Smith; A Ott; R Counter; Eric Christopher Atkinson. 2022. 9/23/22. Canine Detection of Chronic Wasting Disease in Ungulate Herds: Proof-of-Concept. Student Poster. Wyoming IDeA Networks for Biomedical Research Excellence Fall Research Conference. University of Wyoming-Casper. Casper, WY.
189. Dean He; Alyssa Trujillo; Mason Agor; Thomas Haack; Duke Beddes; Caitlyn Edwards; Elizabeth Brianne Quigley; Heather Rothfuss; Amy Navratil; Florence Teule-Finley. 2022. 9/23/22. Female Ovulation: Engineering a Microtubule EB1-GFP Gene into an Adenovirus Vector to Visualize Microtubule Dynamics in Transfected Female Murine Gonadotrophs. Student Poster. Wyoming INBRE Fall Research Network Retreat 2022. Casper, WY.
190. Danielle Krueger; Luke Wilhoit; Christopher Wenzel. 2022. 9/23/22. Soil Microbial DNA Concentration is Influenced by pH and Eh in a Semi-Arid Grassland. Student Poster. Wyoming INBRE Fall Retreat. Casper, Wyoming.
191. Joel Sorensen. 2022. 9/23/22. The Morphology and Identification of Eimeria Parasites Infecting Cottontail Rabbits (*Sylvilagus audubonii*). Student Poster. Wyoming INBRE Network Fall Retreat. Casper, WY.

192. Joel Sorensen. 2022. 9/23/22. Who is Roosting Where? Identifying Bat Species Using Guano Collected From Bridge Roosts. Student Poster. Wyoming INBRE Network Fall Retreat. Casper, WY.
193. Zackariah Roderick J. Beck; Emma Oetken; Sean Harrington; Zachary P. Roehrs; Gavin Martin; Ami L. Wangeline. 2022. 9/24/22. First Look at Selenium-Induced Differential Transcriptomes in *Alternaria astragali*. Student Oral. Wyoming INBRE Research Network Retreat. Casper, WY.
194. Madina Tagirova; Michael Cuddy; DENIS KUDRYAVTSEV. 2022. 9/24/22. Surface-Enhanced Raman Spectroscopy of Peptide Neurotoxins. Student Oral. Wyoming IDeA Networks for Biomedical Research Excellence Fall Research Conference. University of Wyoming-Casper. Casper.
195. Isabelle Seivley; Jordyn Sorrow; Gavin Martin; Zachary P. Roehrs; Ami L. Wangeline. 2022. 9/24/22. Biodiversity Index of Coleoptera in the Vedauwoo Natural History Site. Student Poster. Wyoming INBRE Research Network Retreat. Casper, WY.
196. Elizabeth Di Russo Case. 2022. 9/28/22. A Primary Macrophage Model of Infection Reveals Unappreciated Classes of *C. burnetii* Virulence Determinants. Faculty Oral. Department of Animal Science Seminar Series. University of Wyoming. Laramie, WY.
197. Skylar Hodgins; Levi T Flom; Ana-Clara Bobadilla. 2022. 10/13/22. Plasticity at the head of substance use disorder: Characterizing dendritic spine morphology in nucleus accumbens cocaine-seeking ensembles. Student Oral. Mount Sinai's Research Symposium and PhD Application Assistance and Advisory Program for Underrepresented Scholars. Online.
198. Todd Schoborg. 2022. 10/19/22. Investigating molecular mechanisms of microcephaly: what the fruit fly can tell us about human disease. Faculty Oral. Department of Biochemistry and Molecular Biology's Seminar Series. East Lansing, MI.
199. Emily Schmitt. 2022. 10/20/22. Exercise to Reset and Strengthen the Molecular Clock. Faculty Oral. Animal Science Seminar. Laramie, WY.
200. John S Oakey. 2022. 10/31/22. Sabbatical Talk: Granular Living Materials. Faculty Oral. University of Wyoming Department of Chemical Engineering Seminar Series. Laramie, WY.
201. Amy Navratil. 2022. 11/2/22. Post-translational Modifications that Regulate the Reproductive Function of Gonadotrope Cells. Faculty Oral. Cornell University Illustrious Alumni of Biomedical Sciences. Ithaca, NY.
202. Muzayyana Akhmadjonova; Sara Ghasem Pour; Sarah Margaret Christy; Leah Lipsky; Myles Faith; Tonja Nansel; Kyle Burger. 2022. 11/4/22. Interaction of home food environment and ability to delay reward on dopamine 1 receptor signaling. Student Oral. The Obesity Society Week. San-Diego, CA.
203. Elizabeth Di Russo Case. 2022. 11/4/22. Chasing a Moving Target: One Health in the Age of Climate Change. Faculty Oral. Wyoming INBRE Video Conference Seminar Series. Online.
204. Anne Scholle; Jerod Merkle. 2022. 11/8/22. Group Dynamics and Sociality of Migratory Mule Deer. Student Poster. Annual Meeting of the Wildlife Society. Spokane, WA.
205. Carl G Litif. 2022. 11/14/22. Genetic expression within cocaine-seeking ensembles. Student Oral. Society for Neuroscience 2022. San Diego. CA

206. Isabelle Seivley; Jordyn Sorrow; Ami L. Wangeline; Zachary P. Roehrs; Gavin Martin. 2022. 11/14/22. Temporal patterns and distribution of Coleoptera in the Vedauwoo natural history site. Student Oral. Annual national meeting of the Entomological Society of America. Vancouver, Canada
207. Brian Cherrington. 2022. 11/14/22. An Update on Protein Citrullination in Female Reproduction. Faculty Oral. The Royal Society. The Virtues and Vices of Protein Citrullination Meeting. Nottingham, England.
208. Brian Cherrington. 2022. 11/14/22. Protein Citrullination: The Good. the Bad. and the Ugly. Faculty Oral. Department of Animal Science departmental seminar. Laramie, WY.
209. Skylar Hodgins; Levi T Flom; Kathryn Sandum; Lucio Vaccaro; Carl G Litif; Jenna Crouse; Ana-Clara Bobadilla. 2022. 11/14/22. Validating the efficacy of SpineJ compared to Imaris for dendritic spine structural analysis. Student Poster. Society for Neuroscience Conference. San Diego, CA.
210. Uwemedimo Gladstone Udoh; Pratt Kara. 2022. 11/16/22. A role for Serotonin in the Maturation of A Glutamatergic Synapse. Student Poster. Society for Neuroscience Annual General Meeting. San Diego, CA.
211. Uwemedimo Gladstone Udoh; Pratt Kara. 2022. 11/16/22. Development of the Xenopus Tadpole Retinotegmental Projection. Student Poster. Society for Neuroscience Annual General Meeting. San Diego, CA.
212. Katelan Rogers; Katelyn J Kotlarek. 2022. 11/17/22. Continuing Education Needs of Speech - Language Pathologists Regarding Children with Cleft Palate Across Areas of Varying Population Density. Student Poster. 2022 ASHA Convention. New Orleans, LA.
213. Ji Yoon Guk; Jin-Wook Choi; Seungmee Jung; Solhee In; Sean Harrington; Seungill Kim; Eunsook Park. 2022. 11/17/22. The Tunnels for Plant Defense in the Plant Cell: An International Collaboration. Student Poster. University of Wyoming Center for Global Studies International Research. University of Wyoming, Laramie, WY.
214. Tamara M Abu-Ramadan; Emily Miller; Judah W Serrano; Cynthia M Hartung. 2022. 11/18/22. ADHD. anxiety. depression. and excuses against exercise among college students. Student Poster. 56th Annual Meeting of the Association for Behavioral and Cognitive Therapies. New York, NY.
215. Judah W Serrano; Cynthia M Hartung. 2022. 11/19/22. Psychometric Properties of an Organization. Time Management. and Planning Skills Measure Among College Students. Student Poster. 56th annual meeting of the Association of Behavioral and Cognitive Therapies. New York, NY.
216. Jerod Merkle. 2022. 12/2/22. The importance of sociality in wildlife behavior: crop raiding to disease transfer. Faculty Oral. Wyoming INBRE network of Community Colleges. Online.
217. Annie Narahara Bergman. 2022. 12/5/22. My career path in STEM. Faculty Oral. UW Maker Space for InnovatHer group of high school girls. UW Maker Space, Univ. of Wyoming, Laramie, WY.
218. Haritha Prabha. 2022. 12/5/22. Role of VRK1 in Nuclear Size Regulation in *Xenopus laevis* Extracts. Student Poster. ASCB 2022. Washington DC.
219. Todd Schoborg. 2022. 12/6/22. Investigating molecular mechanisms of microcephaly: what the fruit fly can tell us about human disease. Faculty Oral. Department of Biology -- Seminar Series. Rochester, NY.

220. Dean He; Alyssa Trujillo; Mason Agor; Duke Beddes; Caitlyn Edwards; Elizabeth Brianne Quigley; Heather Rothfuss; Amy Navratil; Florence Teule-Finley. 2022. 12/12/22. Female Ovulation: Engineering a Microtubule EB1-GFP Gene into an Adenovirus Vector to Visualize Microtubule Dynamics in Transfected Female Murine Gonadotrophs. Student Poster. NISBRE 2022 National Symposium of Biomedical Research Excellence. Online. Poster session/live.
221. Haritha Prabha. 2022. 12/12/22. Role of VRK1 in Nuclear Size Regulation in *Xenopus laevis* Extracts. Student Poster. NISBRE 2022. Online. Poster Presentation.
222. Evy Loomis-Goltl. 2022. 12/13/22. Impact of Prenatal Care on Newborn Complications for Infants with Cleft Lip with or without Cleft Palate. Student Poster. 2022 NISBRE. Online.
223. Grace Shearrer; Allison Shapiro; Muzayyana Akhmadjonova. 2022. 12/13/22. The putamen increases influence over a brain network during insulin pulsation: the brain-body connection study. Student Poster. NISBRE2022 Online. Conference. Online.
224. Carl G Litif. 2022. 12/15/22. Genetic expression within cocaine-seeking ensembles. Student Poster. 2022 Front Range Neuroscience Group. Fort Collins, CO.
225. Skylar Hodgins; Levi T Flom; Kathryn Sandum; Lucio Vaccaro; Carl G Litif; Jenna Crouse; Ana-Clara Bobadilla. 2022. 12/16/22. Validating the efficacy of SpineJ compared to Imaris for dendritic spine structural analysis. Student Poster. Front Range Neuroscience Group. Fort Collins. CO.
226. Leslie A Sims. 2023. 1/9/23. Infectivity of the different *Coxiella burnetii* cell types. Student Oral. Department of Veterinary Sciences Graduate Student Retreat. University of Wyoming. Laramie, WY.
227. Bensen LeMaster; Justin Colinger; Danielle Bruns; Nicole Bedford; Emily Schmitt. 2023. 1/19/23. Exercise as a possible treatment for nocturia via circadian realignment. Student Oral. Western Medical Conference. Carmel, CA.
228. Emily Schmitt; James Pru; Samantha Britz. 2023. 1/21/23. Circadian Disruption Impacts Female Fertility. Student Oral. Western Medical Conference. Carmel, CA.
229. Bledar Bisha; Nicolas Blouin; Anahita Ghorbani Tajani. 2023. 1/21/23. Characterization of antimicrobial resistance in indicator and pathogenic bacteria from retail meat in Wyoming. Student Poster. Conference of Research Workers in Animal Diseases. Chicago, IL.
230. John S Oakey. 2023. 1/23/23. Microfluidic Inertial Focusing. Faculty Oral. ETH Zurich Macromolecular Engineering Laboratory Seminar Series. Zurich, Switzerland.
231. Anahita Ghorbani Tajani; Nicolas Blouin; Bledar Bisha. 2023. 1/23/23. Characterization of antimicrobial resistance in indicator and pathogenic bacteria from retail meat in Wyoming. Student Poster. 2023 Conference of Research Workers in Animal Diseases. see page 251 of the attached. Chicago, IL.
232. Maria Constanza Mannino; Todd Schoborg. 2023. 2/3/23. The spindle assembly checkpoint limits brain size reduction in a fly model of human microcephaly. Student Poster. Drosophila Research Conference. Chicago, IL.
233. Annie Bergman. 2023. 2/15/23. Becoming a Resilient Scientist - wellness and resilience tools. Faculty Oral. Graduate class presentation for MOLB5700 Beyond the Bench: Principles for Biomedical Researchers. UW HS 105, Laramie, WY.

234. Madina Tagirova; Michael F Cuddy; Denis Kudryavtsev. 2023. 2/25/23. Surface-enhanced Raman spectroscopy of peptide neurotoxins. Student Oral. Wyoming INBRE Fall Research Network Retreat 2022. Casper, WY.
235. Madina Tagirova; Michael F Cuddy; Eugeny Karpushkin. 2023. 2/25/23. Determination of Hg(II) in solutions by fluorescence quenching of Carbon Quantum Dots. Student Poster. Wyoming INBRE Fall Research Network Retreat 2022. Casper, WY.
236. Shalini Chakraborty; Todd Schoborg. 2023. 3/4/23. Assessing cell type specific roles of Abnormal spindle in brain growth and development. Student Poster. Drosophila Research Conference. Chicago, IL.
237. Maria Constanza Mannino. 2023. 3/23/23. The spindle assembly checkpoint limits brain size reduction in a fly model of human microcephaly. Student Poster. Drosophila Research Conference. Chicago. IL.
238. Noah Yazawa; Nicholas Kovacs; Renee Lile; Riley F. Bernard. 2023. 3/28/23. Bat ectoparasites of Wyoming and western South Dakota. Student Poster. Wyoming Chapter of The Wildlife Society. Laramie, WY.
239. Joel Sorensen; Logan W Detweiler; Riley F. Bernard. 2023. 3/28/23. Who is roosting where? Identifying bat species and the insects they are consuming using guano collected from bridge roosts. Student Poster. Wyoming Chapter of The Wildlife Society. Laramie, WY.
240. Logan W Detweiler; Riley F. Bernard. 2023. 3/29/23. Bridge use of bats in Wyoming. Student Oral. Wyoming Chapter of The Wildlife Society. Laramie, WY.
241. Vitoria Mattos Pereira; Sreejayan Nair; Suyasha Pradhanang; Amit Thakar; John Mansell. 2023. 4/2/23. Targeting ADAM-17 to Alleviate Cytokine Storm Associated with COVID-19. Student Poster. ASPET Annual Meeting at EB 2022. Philadelphia, PA.
242. Samantha Shorthill. 2023. 4/7/23. PAD2 and citrullination in sex-specific cardiac aging. Student Poster. Rocky Mountain American College of Sports Medicine. Colorado Springs, CO.
243. Noah Yazawa; Nicholas Kovacs; Renee Lile; Riley F. Bernard. 2023. 4/8/23. Bat ectoparasites of Wyoming and western South Dakota. Student Poster. Undergraduate Poster Session & INBRE Spring Conference. Laramie, WY.
244. Joel Sorensen; Logan W Detweiler; Riley F. Bernard. 2023. 4/8/23. Who is roosting where? Identifying bat species and the insects they are consuming using guano collected from bridge roosts. Student Poster. Undergraduate Poster Session & INBRE Spring Conference. Laramie, WY.
245. Kevin E. Miller; Josee Walters; Jimmy Bautista; Bailee R. Smith; Timothy Robinson; Emily E Schmitt; Danielle Bruns; Zachary J. Schlader; Evan Johnson. 2023. 4/15/23. Validity and Test-retest Reliability of the Philips Lumify in Measuring Kidney Dimensions Related to Acute Kidney Injury. Student Oral. Rocky Mountain American College of Sports Medicine. Colorado Springs, CO.
246. Evy Loomis-Goltl. 2023. 4/15/23. Impact of Prenatal Care on Newborn Complications for Infants with Cleft Lip with or Without Cleft Palate. Student Poster. Undergraduate Research Day. University of Wyoming, Laramie, WY.
247. Jennifer Stephens; Star Jones. 2023. 4/18/23. Cancer in Wyoming- the current landscape of needs and what's on the horizon. Faculty Oral. Wyoming Primary Care Association 2023 Power of Rural Healthcare Conference. Laramie, WY.



248. Lili Fox; Ansley Else. 2023. 4/20/23. Effects of Mycorrhizae on Domesticated Versus Wild Sunflowers. Student Poster. INBRE Spring Conference. Laramie, WY.
249. Leslie A Sims. 2023. 4/20/23. The Contribution of *C. burnetii* Developmental Stage to Intracellular Pathogenesis. Student Poster. UW INBRE Spring Conference. UW Campus. Laramie, WY.
250. Eric C. Atkinson; Allan H Childs; Michael Cuddy; Uko Udodong; Elise Kimble. 2023. 4/21/23. Bioinformatics and Basic Research in the Big Horn Basin: Opportunities for project-based inquiry while building laboratory skills and knowledge of theory- Continuing *Post* Pandemic Perspectives. Faculty Oral. Wyoming IDeA Networks for Biomedical Research Excellence Spring Research Conference. University of Wyoming. Laramie, WY.
251. Gavin J. Martin; Zachary P. Roehrs; Ami L. Wangeline. 2023. 4/21/23. Linking beetles and bats to the biomedical pipeline *in* LCCC Annual Research Report. Faculty Oral. Wyoming IDeA Networks for Biomedical Research Excellence Spring Research Conference. University of Wyoming. Laramie, WY.
252. Riley Abraham; Nathan Wayne Butz; Tara Baer; Kinley E. Bollinger; Kadriya Gaynutdinova; Yosuke Kariya; Arata Kawabe; Maksat Myradov; Grace Shumway; Madina Tagirova; Sadie Nan Tillotson; Allan H Childs; Eric C. Atkinson. 2023. 4/21/23. Wasps, Bees, and Ants, Oh My: The Hymenoptera Microbiome of the Big Horn Basin. Student Poster. Wyoming IDeA Networks for Biomedical Research Excellence Spring Research Conference. University of Wyoming. Laramie, WY.
253. Braden Mays; Steve Miller; Riley F. Bernard; Ami L. Wangeline. 2023. 4/21/23. A comprehensive evaluation of the growth preferences for the causative agent of white-nose syndrome. *Pseudogymnoascus destructans*. Student Poster. Wyoming IDeA Networks for Biomedical Research Excellence Spring Research Conference. Laramie, WY.
254. Grace Shumway; Eric C. Atkinson. 2023. 4/21/23. Avian Matins vs. Vespers: Do They Differ? Student Poster. Wyoming IDeA Networks for Biomedical Research Excellence Spring Research Conference. University of Wyoming. Laramie, WY.
255. Brinley Smith. 2023. 4/21/23. Development of a Method to Expose Cells in Culture to Woodfire Smoke. Student Poster. Wyoming IDeA Networks for Biomedical Research Excellence Spring Research Conference. Laramie, WY.
256. Dean He; Alyssa Trujillo; Mason Agor; Thomas Haack; Duke Beddes; Caitlyn Edwards; Elizabeth Brianne Quigley; Heather Rothfuss; Amy Navratil; Florence Teule-Finley. 2023. 4/21/23. Gonadotroph Microtubule Dynamics Prior to Female Ovulation: Engineering a Microtubule EB1-GFP Gene into a Recombinant Adenovirus Vector for Future Expression in Transfected Female Murine Gonadotrophs. Student Poster. Wyoming IDeA Networks for Biomedical Research Excellence Spring Research Conference. Laramie, WY.
257. Hannah M Van Tassel. 2023. 4/21/23. Identification of Genetic Population Markers of the *L. getula* Species Complex Using Whole Genome Analysis. Student Poster. INBRE Conference. Laramie WY.
258. Jeremy James Alberta; Zackariah Roderick J. Beck; Rishab M Ranjitkar; Zachary P. Roehrs; Ami L. Wangeline; Sean Harrington; Gareth S Powell; Abigail E. Magland; Gavin J Martin. 2023. 4/21/23. Pharaxonothinae-Cycad coevolution explored through the lens of phylogenomics. Student Poster. Wyoming IDeA Networks for Biomedical Research Excellence Spring Research Conference. University of Wyoming. Laramie, WY.

259. Taniyah I. Proby; Natanya S. Sam; Isabelle Seivley; Sean Harrington; Gareth S Powell; Ami L. Wangeline; Zachary P. Roehrs; Gavin J Martin. 2023. 4/21/23. Phylogenetic analysis of Phalacridae (Insecta: Coleoptera) with an emphasis on feeding habits. Student Poster. Wyoming IDeA Networks for Biomedical Research Excellence Spring Research Conference. University of Wyoming. Laramie, WY.
260. Emma Oetken; Graciela Lopez; Kassidy Dunagan; Gavin J Martin. 2023. 4/21/23. Reevaluation of *Pyroctomena dispersa* subpopulations in the Western United States. Student Poster. Wyoming IDeA Networks for Biomedical Research Excellence Spring Research Conference. University of Wyoming Conference Center- Laramie, WY.
261. Kassidy Dunagan; Graciela Lopez; Emma Oetken; Gavin J Martin. 2023. 4/21/23. Reevaluation of *Pyroctomena dispersa* subpopulation in the Western United States. Student Poster. Wyoming IDeA Networks for Biomedical Research excellence spring research conference. Laramie, WY.
262. Mariel Delacey. 2023. 4/21/23. Skyfall: Atmospheric Deposition of Microfibers and Contamination on Wild Rosehips. *Rosa woodsii*. Jackson. WY. Student Poster. Wyoming INBRE Annual Conference. University of Wyoming, Laramie, WY.
263. Matthew Walter; Scott Woods; Luis Alza. 2023. 4/21/23. Status and study design of the Christmas Bird Count in Wyoming. Student Poster. INBRE Spring Conference 2023. Laramie, WY.
264. Caroline Hansen; Lynn Moore; Hailey Lattin; Luis Alza. 2023. 4/21/23. The status and verification of the Casper College Herbarium. Student Poster. INBRE Spring Conference 2023. Laramie, WY.
265. Shaonil Binti. 2023. 4/21/23. Unlocking the Mysteries of PTPN - 22: How it Shapes *C. elegans* Muscle and Epidermal Biology. Student Poster. INBRE 2023 conference. Laramie, WY.
266. Madina Tagirova; Michael Cuddy. 2023. 4/21/23. Water Quality in the Big Horn Basin. Student Poster. Wyoming IDeA Networks for Biomedical Research Excellence Spring Research Conference. University of Wyoming. Laramie, WY.
267. Breelyn M Semon; Chad Rawson; Thomas Westmoreland. 2023. 4/21/23. Identification of Binding Sequences Sufficient for ChpT-PopZ Interaction. Student Poster. UW INBRE spring conference. Laramie, WY.
268. Allan H Childs. 2023. 4/22/23. A New Source of Microplastics. Faculty. Poster. Undergraduate Research and Inquiry Day. University of Wyoming. Laramie, WY.
269. John Chase; Margaret L Biskup. 2023. 4/22/23. Antimicrobial Resistance Resistome Connections: how Antimicrobial Resistance is found in Livestock Animals and Their Environments. Student Poster. Undergraduate Research and Inquiry Day. University of Wyoming. Laramie, WY.
270. Dean He; Alyssa Trujillo; Mason Agor; Thomas Haack; Duke Beddes; Caitlyn Edwards; Elizabeth Brianne Quigley; Heather Rothfuss; Amy Navratil; Florence Teule-Finley. 2023. 4/22/23. Gonadotroph Microtubule Dynamics Prior to Female Ovulation: Engineering a Microtubule EB1-GFP Gene into a Recombinant Adenovirus Vector for Future Expression in Transfected Female Murine Gonadotrophs. Student Poster. Undergraduate Research and Inquiry Day. Laramie, WY.
271. John Chase; Taylor Berg; Margaret L Biskup; He Lin Lee. 2023. 4/22/23. Rapid Identification of Pathogens and Antimicrobial Resistance Genes in the Food Supply by Nanopore Sequencing. Student Poster. Undergraduate Research and Inquiry Day. University of Wyoming. Laramie, WY.

272. Joshua P Duckwitz; Brett Ralston; Brian Cherrington; Stanley B DeVore. 2023. 4/22/23. Altering DGCR8 Expression Modulates Biogenesis of PTTG1 Targeting miRNAs 300 and 329 in Lactotrope Cells. Student Poster. Undergraduate poster session & INBRE Spring Conference. University of Wyoming Conference Center, Laramie, WY.
273. Evy Loomis-Goltl. 2023. 4/27/23. Impact of Prenatal Care on Newborn Complications for Infants with Cleft Lip with or without Cleft Palate. Student Oral. College of Health Sciences Research Day. University of Wyoming, Laramie, WY.
274. Elizabeth Brianne Quigley. 2023. 4/27/23. GnRH Induced Citrullination of the Cytoskeleton by Peptidylarginine Deiminases Regulates Actin and Microtubule Dynamics in Gonadotrope Cells. Student Poster. UW INBRE Spring Conference. Laramie, WY.
275. Sadie Nan Tillotson. 2023. 4/28/23. Canine Scent Discrimination. Student Oral. Northwest College Student Academic Showcase. Northwest College. Powell, WY.
276. Maksat Myradov; Allan H Childs. 2023. 4/28/23. A New Source of Microplastics?. Student Poster. Northwest College Student Academic Showcase. Northwest College. Powell, WY.
277. Grace Shumway; Eric C. Atkinson. 2023. 4/28/23. Avian Matins vs. Vespers: Do They Differ? Student Poster. Northwest College Student Academic Showcase. Northwest College. Powell, WY.
278. Kasey Stanton; Warner Myntti; Lindsay Gillikin; Kaitlynn Sharp; Holly Levin-Aspenson; Corinne Carlton-Smith; Christina McDonnell. 2023. 4/30/23. Initial development of a brief measure of clinical dimensions targeted in cognitive behavioral treatment planning. Faculty Oral. North American Society for the Study of Personality Disorders. Boston, MA
279. Anne Scholle; Jerod Merkle. 2023. 5/1/23. Consensus decision-making in group of migratory mule deer. Student Oral. Annual Meeting of the Wildlife Society. Laramie, WY.
280. Katelan Rogers; Kazlin N Mason; Katelyn J Kotlarek. 2023. 5/4/23. Continuing education needs of SLPs for treating children with cleft palate: A national analysis across areas of varying population density. Student Oral. American Cleft Palate-Craniofacial Association 80th Annual Meeting. Raleigh, NC.
281. Jacki E Klancher; Aidan Hereford; Antoine Day; Jada Antelope. 2023. 5/4/23. Breaking Boundaries. Student Oral. Tribal Talks. Jackson Hole, WY.
282. Samantha Power; Katelyn J Kotlarek. 2023. 5/4/23. An exploratory investigation of the palatoglossus muscle in children: An MRI study. Student Poster. American Cleft Palate-Craniofacial Association 80th Annual Meeting. Raleigh, NC.
283. Elizabeth Brianne Quigley. 2023. 5/5/23. GnRH Induced Citrullination of the Cytoskeleton by Peptidylarginine Deiminases Regulates Actin and Microtubule Dynamics in Gonadotrope Cells. Student Oral. Rocky Mountain Reproductive Sciences Conference. Fort Collins, CO.
284. Katelyn J Kotlarek; Sierra Levene; Annalisa Piccorelli; Gregory Allen; Krystle Barhaghi; Ilana Neuberger. 2023. 5/5/23. Growth and symmetry of the levator veli palatini muscle within the first two years of life. Faculty Oral. American Cleft Palate-Craniofacial Association 80th Annual Meeting. Raleigh, NC.
285. Kaitlyn Breitenfeldt; Theresa M. Andrzejewski; Saily Gomez Batista; Alison Tassone; Carrie Faaberg; Christina Grace McDonnell. 2023. 5/5/23. An evaluation of changes in emotion regulation

over the course of a pilot telehealth trauma-focused CBT for autistic youth. Student Poster. International Society for Autism Research. Stockholm, Sweden.

286. Alison Tassone; Elizabeth A DeLucia; Kaitlyn Breitenfeldt; Christina G McDonnell. 2023. 5/5/23. Political experiences and barriers to voting among autistic adults in the United States. Student Poster. International Society for Autism Research. Stockholm, Sweden.

287. Kaitlyn Breitenfeldt; Theresa M. Andrzejewski; Saily Gomez Batista; Alison Tassone; Carrie Faaberg; Christina G McDonnell. 2023. 5/5/23. An evaluation of changes in emotion regulation over the course of a pilot telehealth trauma-focused CBT for autistic youth. Student Poster. Annual Meeting of the International Society for Autism Research (INSAR). Stockholm, Sweden.

288. Haritha Prabha. 2023. 5/16/23. Role of VRK1 in Nuclear Size Regulation in *Xenopus laevis* Extracts. Student Oral. JCS Imaging Cell Dynamics. Lisbon, Portugal.

289. Jason P. Gigley. 2023. 5/17/23. Theft of Host Iron Machinery For Successful Parasitism by *Toxoplasma gondii*. Faculty Oral. University of Glasgow. GRIPing seminar series. Glasgow, Scotland

290. Haritha Prabha; Daniel Levy. 2023. 5/17/23. Role of VRK1 in nuclear morphology and size regulation in *Xenopus laevis* extracts. Student Poster. JCS2023: Imaging Cell Dynamics. Lisbon, Portugal.

291. Kinley E. Bollinger; Grace Shumway. 2023. 5/26/23. San Francisco State University Lab Experience. Student Oral. Northwest College Student Academic Showcase. Northwest College. Powell, WY.

292. Riley Abraham; Nathan Wayne Butz; Tara Baer; Kinley E. Bollinger; Kadriya Gaynutdinova; Yosuke Kariya; Arata Kawabe; Maksat Myradov; Grace Shumway; Madina Tagirova; Sadie Nan Tillotson; Allan H Childs; Eric C. Atkinson. 2023. 5/26/23. Wasps. Bees. and Ants. Oh My! The Hymenoptera Microbiome of the Big Horn Basin. Student Poster. Northwest College Student Academic Showcase. Northwest College. Powell, WY.

293. Madina Tagirova; Michael Cuddy. 2023. 5/26/23. Water Quality in the Big Horn Basin. Student Poster. Northwest College Student Academic Showcase. Northwest College. Powell, WY.

294. Jerod Merkle. 2023. 5/29/23. How past experience and sociality shape individual movement and why it matters. Faculty Oral. Gordon Research Conference: Movement Ecology of Animals. Lucca, Italy.

295. Angeline Bottera; Kyle De Young. 2023. 6/2/23. Loss of control eating exhibits an evening diurnal shift among women with bulimia nervosa and binge-eating disorder. Faculty Oral. International Conference on Eating Disorders. Washington, DC.

296. Kara Christensen; Angeline Bottera; Kyle De Young; Ellen Klaver. 2023. 6/2/23. Treating insomnia in your eating disorder clients: Moving beyond sleep hygiene to empirically supported techniques from behavior sleep medicine. Faculty Oral. International Conference on Eating Disorders. Washington, DC.

297. Jason P. Gigley. 2023. 6/5/23. COVID-19: The virus. viral spread. immunity. vaccination. and treatments. Faculty Oral. Wyoming Center on Aging in partnership with the Great Plains Mountain GWEP Consortium. Webinar Series Living in Long Term Care Today. Online

298. Jada Antelope; Tara Jorgenson; Sam Martinich. 2023. 6/8/23. New Voices in Climate. Student Poster. Community College Innovation Challenge. Washington, DC.

299. Anne Scholle; Jerod Merkle. 2023. 6/12/23. Emergent properties from fine scale movement behavior in Yellowstone bison: an empirical test of the spatial-social interface. Student Oral. Symposium entitled √{the spatial-social interface: from plants to predators√{ at Canadian Society for Ecology and Evolution. Winnipeg, Canada.
300. Sylvia W Thiong'o. 2023. 6/15/23. DEFINING THE CONTRIBUTION OF DACC TO Q FEVER. Student Oral. Department of Veterinary Sciences Graduate Student Seminar Series. Laramie, WY.
301. Elizabeth Lefler; Tamara M Abu-Ramadan; Anne Stevens; Judah W. Serrano; Christopher R Shelton; Cynthia M Hartung. 2023. 6/15/23. How to avoid sex-. gender-. and sexual orientation-neutral research in psychopathology: Comparing two grouping methods in a large adult survey sample. Faculty. Poster. 0th biennial meeting of the International Society for Research in Child and Adolescent Psychopathology. London, England.
302. Cynthia M Hartung; Judah W. Serrano; Silje Steinsbekk; Lars Wichstrom. 2023. 6/15/23. The bifactor structure of ADHD across sex and age in a Norwegian birth cohort sample: What do the general and specific factors mean?. Faculty. Poster. 20th biennial meeting of the International Society for Research in Child and Adolescent Psychopathology. London, England.
303. Nicole Zolli; Logan Tufty; Tamara M Abu-Ramadan; Meeta Banerjee; Elizabeth Bodalski; Elizabeth Lefler; Cynthia M Hartung; Michael Meinzer. 2023. 6/15/23. The moderating role of self-esteem on the relationship between ADHD and depression symptoms in college students. Student Poster. the biennial meeting of the International Society for Research in Child and Adolescent Psychopathology. London, England.
304. Benjamin David McNair. 2023. 6/28/23. Distinct mechanisms of aging in the right and left ventricles. Student Oral. Keystone Symposium. Santa Fe, NM.
305. Leslie A Sims. 2023. 6/29/23. THE CONTRIBUTION OF COXIELLA BURNETII DEVELOPMENTAL STATE TO INTRACELLULAR PATHOGENESIS. Student Oral. Department of Veterinary Sciences Graduate Student Seminar Series. Laramie, WY.
306. Sourabh Sengupta. 2023. 6/30/23. Regulation of nuclear size under conditions of cellular stress. Student Oral. Front Range Cytoskeletal Meeting 2023. CU. Anschutz Medical Campus, Denver, CO.
307. Eric C. Atkinson; Abbie Valine. 2023. 7/6/23. An initial description of the fecal microbiome of wintering Northern Shrikes (*Lanius borealis*). Faculty Oral. 5th International Shrike Symposium. Vairao, Portugal.
308. Sylvia W Thiong'o; Erin J Van Schaik; James E Samuel; Elizabeth D Case. 2023. 7/9/23. Defining the contribution of dacC to Q fever pathogenesis. Student Poster. 32nd Meeting of the American Society for Rickettsiology. Snowbird, UT.
309. Leslie A Sims; Elizabeth D Case. 2023. 7/9/23. The Contribution of *C. burnetii* Developmental Stage to Intracellular Pathogenesis. Student Poster. 32nd Meeting of the American Society for Rickettsiology. Snowbird, UT.
310. Elizabeth D Case. 2023. 7/11/23. A Primary Macrophage Model of Infection Reveals Unappreciated Classes of *C. burnetii* Virulence Determinants. Faculty Oral. 32nd Meeting of the American Society for Rickettsiology. Snowbird, UT.

311. Rachel Elizabeth Fanelli; Eric Quallen; Merav Ben-David; Nicole Bedford. 2023. 7/12/23. Hippocampal neuroanatomy and spatial memory pre- and post-torpor in the least chipmunk (*Neotamias minimus*). Faculty. Poster. Animal Behavior Society Conference. Portland, Oregon.
312. Tristian Wallhead; Tamara M Abu-Ramadan; Emily Miller; Cynthia M Hartung. 2023. 7/13/23. The Impact of Riding for Focus on middle school student motivation in physical education and participation in extracurricular biking opportunities. Faculty Oral. World Congress of the International Association for Physical Education in Higher Education (AIESEP). Santiago, Chile.
313. Sourabh Sengupta; Daniel Levy. 2023. 7/16/23. Regulation of nuclear morphology under stress conditions in *Xenopus laevis* extracts. Student Oral. Front Range Cytoskeleton Meeting. University of Colorado, Boulder, CO.
314. Kaylee Yeager. 2023. 7/27/23. Antimicrobial Resistance Genes in Wyoming: Clinical Isolates 2013-2015. Student Oral. INBRE Summer Undergraduate Research Symposium. University of Wyoming. Laramie, WY.
315. Sam James. 2023. 7/27/23. Electrophysiology of the tibialis anterior. Student Oral. WY. INBRE Summer Undergraduate Research Symposium. University of Wyoming, Laramie, WY.
316. Elizabeth Lungren. 2023. 7/27/23. Establishing a Role for ISG15 in Mammalian Pregnancy. Student Oral. WY. INBRE Summer Undergraduate Research Symposium. Laramie, WY.
317. Lucas Wall. 2023. 7/27/23. Isolation of *Streptococcus mutans* cell surface receptor through novel phage. Student Oral. WY. INBRE summer undergraduate research symposium. Laramie Wyoming. University of Wyoming, Laramie, WY
318. Kellyn Breyley Chandler. 2023. 7/27/23. On obesity and genetics: exploring the role of relatedness in body mass of captive chipmunks. Student Oral. WY. INBRE Summer Undergraduate Research Symposium. Laramie WY.
319. Ryan Reynolds. 2023. 7/27/23. Rapid Mass Spectrometry Lipid Analysis of Biological Samples. Student Oral. WY. INBRE Summer Research Symposium. University of Wyoming, Laramie, WY.
320. Kevin C Fontana. 2023. 7/27/23. Deletion of Cardiac AMPK Distinctly Affects the Right and Left Ventricle. Student Oral. WY. INBRE Summer Research Symposium. University of Wyoming Union Ballroom, Laramie, WY.
321. Kendall L Moyte. 2023. 7/27/23. Analysis of Female Reproduction in Gonadotrope Specific DGCR8 Knockout Mice. Student Oral. Summer INBRE Symposium. Laramie, WY.
322. Braden Mays; Zackariah Roderick J. Beck; Riley F. Bernard; Steve Miller; Ami L. Wangeline. 2023. 8/3/23. A comprehensive evaluation of the growth preferences for the causative agent of white-nose syndrome. *Pseudogymnoascus destructans*. Student Poster. Western Region INBRE Conference. Bernalillo, NM.
323. Mason Agor; Alyssa Trujillo; Chavely Cruz Cardenas; Dean He; Thomas Haack; Elizabeth Brianne Quigley; Heather Rothfuss; Amy Navratil; Florence Teule-Finley. 2023. 8/3/23. Tracking Gonadotrope Microtubule Dynamics Leading to Female Ovulation: Engineering of a Recombinant Adenovirus Vector with an EB1-GFP Gene for Transfection in Female Murine Gonadotrophs. Student Poster. 2023 NIH IDeA Western Regional Conference. Bernalillo, NM.

324. Haritha Prabha. 2023. 8/3/23. Role of VRK1 in Nuclear Size Regulation in *Xenopus laevis* Extracts. Student Poster. 2023 NIH IDeA Western Regional Conference. Bernalillo, NM.
325. Elizaabeth Quigley. 2023. 8/4/23. GnRH Induced Citrullination of the Cytoskeleton by Peptidylarginine Deiminases Regulates Actin and Microtubule Dynamics in Gonadotrope Cells. Student Oral. Western INBRE Regional Conference. Bernalillo, NM.
326. Haritha Prabha. 2023. 8/4/23. Role of VRK1 in Nuclear Size Regulation and Morphology. Student Oral. 2023 IDeA Western Regional Conference. Bernalillo, NM.
327. Sourabh Sengupta; Daniel Levy. 2023. 8/16/23. Regulation of nuclear morphology under stress conditions in *Xenopus laevis* extracts. Student Oral. 19th International *Xenopus* Conference. Cambridge, MD.
328. Haritha Prabha; Daniel Levy. 2023. 8/16/23. Small but mighty: why nuclear size and shape matter more than you think. Student Oral. NIH IDeA Western Regional Conference. Bernalillo, NM.
329. Haritha Prabha; Daniel Levy. 2023. 8/16/23. Role of VRK1 in nuclear morphology and size regulation in *Xenopus laevis* extracts. Student Poster. 19th International *Xenopus* Conference. Cambridge, MD.
330. Owen Funk. 2023. 8/18/23. Gene expression and fusion in the *C. elegans* hypodermis. Student Oral. WyCo Worm meeting. Fort Collins, CO.
331. Sourabh Sengupta. 2023. 8/20/23. Regulation of nuclear size under conditions of cellular stress. Student Oral. 19th International *Xenopus* Conference 2023. Cambridge, MD.
332. Mary Teague; Caroline Hansen; Lynn Moore; Stacey Scott; Luis Alza. 2023. 8/21/23. Expanding the collection of the Casper College Herbarium: Adding new localities and new species. Student. Other. Summer Report 2023. Laramie, WY.
333. Caroline Hansen; Mary Teague; Lynn Moore; Stacey Scott; Luis Alza. 2023. 8/21/23. Historical Changes in Plant Communities in Natrona County. Wyoming: The Importance of the Historical Records of the Casper College Herbarium. Student. Other. Summer Report 2023. Laramie, WY.
334. Haritha Prabha. 2023. 8/23/23. Role of VRK1 in Nuclear Size Regulation in *Xenopus laevis* Extracts. Student Poster. 19th International *Xenopus* Conference. Cambridge, MD.
335. Ling Li; Yu Song; Maddy Jenkins; Boyi Dai. 2023. 8/26/23. CORRELATIONS BETWEEN PRE-LANDING KNEE KINEMATICS AND LANDING FORCE. Student Oral. North American Congress on Biomechanics. Ottawa, Canada.
336. Jennifer Stephens. 2023. 9/5/23. Wyoming rural oncology patient update. Faculty Oral. Leukemia and Lymphoma Society Rocky Mountain Region Monthly Meeting. Online.
337. Milana Wolff; Silba Dowell. 2023. 9/13/23. Articulating a genome-based collective representation of complex biological dynamics and assessing the causal structure of disease processes. Student Oral. Wyoming Computing Symposium. Laramie, WY.
338. Elliott Hulley. 2023. 9/14/23. Fundamental chemistry of tryptamines: Overview. new directions. and pharmacological relevance. Faculty Oral. Rocky Mountain Regional Meeting of the American Chemical Society. Laramie, WY.

339. Abu Mas Ud. 2023. 9/14/23. Synthesis and characterization of novel carbazole-based PNP-type pincer ligand for group 10 metals. Student Poster. Rocky Mountain Regional Meeting of the American Chemical Society. Laramie, WY.
340. Quetzalli Penaloza. 2023. 9/14/23. Synthesis of amine oxidation activity of a novel 10-cyano-substituted Flavin. Student Poster. Rocky Mountain Regional Meeting of the American Chemical Society. Laramie, WY.
341. Kolbe Chavez. 2023. 9/14/23. Utilization of CO<sub>2</sub> in C-H activation by a pop supported organometallic platform. Student Poster. Rocky Mountain Regional Meeting of the American Chemical Society. Laramie, WY.
342. Nilay Saha; Franco Basile; Michael E Dillon. 2023. 9/15/23. Enhancing Carbohydrates and Sterols Detection in Biological Samples with On-Tissue Derivatization Using MALDI Mass Spectrometry. Student Poster. 71st ASMS conference 2023. Laramie, WY.
343. Jennifer Stephens. 2023. 9/28/23. The Wyoming Oncology Patient Experience: Research Update. Faculty. Poster. Wyoming Nurses Association (WNA) Annual Conference. Cheyenne, WY.
344. Katelyn J Kotlarek. 2023. 10/4/23. Optimizing speech and surgical outcomes in cleft palate. Faculty Oral. Wyoming INBRE Thematic Projects Chalk Talk. Laramie, WY.
345. Christina G McDonnell. 2023. 10/11/23. Impact of Trauma on Mental Health among Autistic Individuals. Faculty Oral. Interagency Autism Coordinating Committee Meeting (IACC). Bethesda, MD.
346. Todd Schoborg. 2023. 10/12/23. X-Ray Microscopy as a tool for inspiring others. Faculty Oral. Zeiss XRM User Meeting. London, UK.
347. Shalini Chakraborty. 2023. 10/12/23. Abnormal spindle promotes proper brain growth and development through non-cell autonomous mechanisms. Student Poster. Neurobiology of Drosophila Meeting. Cold Spring Harbor, NY.
348. Brian Cherrington. 2023. 10/16/23. The Good and Bad of Protein Citrullination in Female RePADuction. Faculty Oral. Colorado State University. Department of Biomedical Sciences. Ft. Collins, CO.
349. Kinley E. Bollinger; Eric C. Atkinson. 2023. 10/20/23. Learning Alongside. Student Oral. Coffee and Curriculum (LAMP). Online.
350. Nikhil Srivastava. 2023. 10/21/23. PGRMC2 protein interacts with RNA-binding proteins in decidualized uterine tissue. Student Oral. MOLB Departmental Seminar. University of Wyoming, Laramie, WY.
351. Nilay Saha. 2023. 10/27/23. Imaging Mass Spectrometry of Metabolites in Biological Samples with High Specificity and High S/N Ratio. Student Oral. INBRE Retreat. Laramie, WY.
352. Elizabeth Brianne Quigley. 2023. 10/27/23. Mass Spectrometry Reveals Citrullinated Proteins in Gonadotrope Cells. Student Oral. UW INBRE Fall Retreat. Laramie, WY.
353. Nikhil Srivastava. 2023. 10/27/23. The Role of PGRMC Proteins in Female Fertility and Disease. Student Oral. INBRE Retreat Flash Talk. University of Wyoming, Laramie, WY



354. Tathagato Roy. 2023. 10/27/23. Understanding sexually dimorphic Natural Killer cell responses in acute *Toxoplasma gondii* infection. Student Oral. INBRE Retreat Flash Talk. University of Wyoming, Laramie, WY.
355. Willow L Larson; Katelyn J Kotlarek. 2023. 10/27/23. Educational Trends for Providers in Feeding Infants with Cleft Palate. Student Poster. WyoSHA. Gateway Center. Laramie, WY.
356. Mikayla Smith; Katelyn J Kotlarek. 2023. 10/27/23. Impact of Furlow palatoplasty on the velopharynx: A case study. Student Poster. Wyoming Speech-Language-Hearing Association Convention. Laramie, WY.
357. Kiet N. Tran. 2023. 10/30/23. Engineering Listerial Drones for Cancer Immunotherapy. Student Oral. Molecular Monday Seminar. University of Wyoming, Laramie, WY.
358. Jennifer Stephens. 2023. 11/3/23. Patient advocacy in the face of cancer: Nursing reflections. Faculty Oral. Rocky Mountain Division. Leukemia and Lymphoma Society Annual Meeting. Casper, WY.
359. Theresa M. Andrzejewski; Saily Gomez Batista; Elizabeth A DeLucia; Janey Dike; Kaitlyn Breitenfeldt; Alison Tassone. 2023. 11/3/23. Examining how caregiver variables impact treatment outcomes among Autistic youth receiving trauma focused-cognitive behavioral therapy (TF-CBT). Student Oral. 2023 International Society for Traumatic Stress Studies (ISTSS) Annual Meeting. Los Angeles, CA.
360. Abigail E. Magland; Paul Skelley; Gavin J Martin; Seth M Bybee; Gareth S Powell. 2023. 11/5/23. All eyes on Pharaconothinae. Student Oral. Annual national meeting of the Entomological Society of America. MD.
361. Gareth S Powell; Matthew Gimmel; Gavin J Martin; Seth M Bybee. 2023. 11/5/23. Targeted enrichment shines light on shining flower beetle (Phalacridae: Coleoptera) phylogeny. Faculty Oral. Annual national meeting of the Entomological Society of America. MD.
362. Yelena M Pacheco; Gareth S Powell; Luiz Felipe Lima Da Silveira; Gavin J Martin; Oliver Keller. 2023. 11/5/23. Worldwide firefly phylogeny (Coleoptera: Lampyridae): Evolution of sexual signaling structures. Student Oral. Annual national meeting of the Entomological Society of America. MD.
363. Milana Wolff; Silba Dowell; Daniel Hintz. 2023. 11/14/23. Developing an Inverse Reinforcement Learning Methodology to Predict the Progression of Colorectal Cancer. Student Poster. International Conference for High Performance Computing. Networking. Storage. and Analysis 2023. Denver, CO.
364. John M Vasko; Judah W. Serrano; Tamara M Abu-Ramadan; Emily Miller; Meisa Mahdi Khairuddin; Adam Conner; Zoe Hendricks; Erik Willcutt; Elizabeth Bodalski; Kate Flory; Cynthia M Hartung. 2023. 11/17/23. Differences in executive functioning task performance in college students with and without ADHD. Student Oral. 57th Annual Meeting of the Association for Behavioral and Cognitive Therapies. Seattle, WA.
365. Katelyn Kotlarek; Sierra Levene; Annalisa Piccorelli; Gregory Allen; Krystle Barhaghi; Ilana Neuberger. 2023. 11/17/23. Growth and symmetry of the levator veli palatini muscle under two years. Faculty. Poster. American Speech-Language-Hearing Association Convention. Boston, MA.
366. Meisa Mahdi Khairuddin; John M Vasko; Katelyn Cathcart; Sheldon Williams; Cynthia M Hartung. 2023. 11/17/23. Predicted performance vs. actual performance on executive functioning

tasks in college students: Biological sex and ADHD status matter. Student Poster. 57th Annual Meeting of the Association for Behavioral and Cognitive Therapies. Seattle, WA.

367. Carl G Litif. 2023. 11/18/23. Insight into the Transcriptome of Maladaptive Drug-Seeking. Student Oral. SfN 2023. San Diego, CA.

368. Mikayla Smith; Katelyn J Kotlarek. 2023. 11/18/23. Impact of the Furlow palatoplasty on levator veli palatini form and function: A case study. Student Poster. American Speech-Language-Hearing Association Convention. Boston, MA.

369. John M Vasko; Tamara M Abu-Ramadan; Emily Miller; Adam Conner; Zoe Hendricks; Erik Willcutt; Elizabeth Bodalski; Kate Flory; Cynthia M Hartung. 2023. 11/20/23. Differences in Executive Functioning Task Performance in College Students with and Without ADHD. Student Poster. Annual Meeting of the Association for Behavioral and Cognitive Therapies. Seattle, WA.

370. John M Vasko; Katelyn Cathcart; Sheldon Williams; Cynthia M Hartung. 2023. 11/20/23. Predicted performance vs. actual performance on executive functioning tasks in college students: Biological sex and ADHD status matter. Student Poster. Annual Meeting of the Association for Behavioral and Cognitive Therapies. Seattle, WA.

371. Tyler J Gonzalez. 2023. 11/27/23. RNA during desiccation √ê how is a labile biomolecule protected during extreme drying? Student Oral. Molecular Biology Monday Seminar. University of Wyoming. Laramie, WY.

372. Todd Schoborg. 2023. 11/30/23. Understanding the molecular mechanisms of microcephaly: what the fruit fly can tell us about human disease. Faculty Oral. Sensory Biology Center Seminar. Laramie, WY.

373. Sourabh Sengupta; Daniel Levy. 2023. 12/2/23. Regulation of nuclear morphology under conditions of cellular stress. Student Oral. Annual meeting of the American Society for Cell Biology. Boston, MD.

374. Haritha Prabha; Daniel Levy. 2023. 12/5/23. Role of VRK1 in nuclear morphology and size regulation in *Xenopus laevis* extracts. Student Poster. Annual meeting of the American Society for Cell Biology. Boston, MD.

375. Eric C. Atkinson. 2023. 12/7/23. It is not only fine feathers that make fine birds. Faculty Oral. Invited public presentation. Draper Museum of Natural History Lunchtime Expeditions. 7 Dec 2023. <https://youtu.be/sBpJ9xOPejQ?si=GexIC2CG2bjYFmrc>. Buffalo Bill Center of the West. Cody, WY.

376. Mikayla Smith; Katelyn J Kotlarek. 2023. 12/13/23. Impact of the Furlow palatoplasty on levator veli palatini form and function: A case study. Student Oral. University of Wyoming Honors Capstone Roundtable. Laramie, WY.

377. Rebecca Ash; Jessie Carber; Ami N Erickson; Stephanie Servetas. 2024. 1/23/24. Improved DNA Extraction Methods for Heritage Apples. Faculty. Poster. International Plant Propagators√i Society Western Region Annual Conference. Temecula, CA.

378. Landry May; Ami N Erickson; Stephanie Servetas; Brett Hale. 2024. 1/23/24. The Effects of AgriGro Product Application on Field Peas and the Soil Microbiome. Faculty. Poster. International Plant Propagators√i Society Western Region Annual Conference. Temecula. CA

379. Katelyn J Kotlarek; Ilana Neuberger; Scott Hirsch; Gregory Allen. 2024. 4/10/24. Levator Veli Palatini Muscle Contraction Following End-to-End Intravelar Veloplasty: A Case Series. Faculty. Poster. American Cleft Palate-Craniofacial Association 81st Annual Meeting. Denver, CO.
380. Katherine A. Berry; Mark Prince; Luke Herchenroeder; Adrian Bravo; Brad Conner; Laura Holt; Ty Schepis; Alison Looby. 2024. 4/11/24. Alcohol-related variables differ based on food and alcohol disturbance (FAD) motive. Student Poster. 12th annual scientific meeting of the Collaborative Perspectives on Addiction. Denver, CO.
381. Alison Looby; Katherine A. Berry; EmmaJo Briles; McKenna Guzman; Wolfgang Wuerker; Abbi Salisbury. 2024. 4/11/24. Anticipatory and compensatory anxiety and urge to drink among undergraduates. Student Poster. 12th annual scientific meeting of the Collaborative Perspectives on Addiction. Denver, CO.
382. Anna Petrey; Katherine A. Berry; Alison Looby. 2024. 4/11/24. Eating Disorder Symptoms and Consequences of Prescription Stimulants: Do Motives Matter?. Student Poster. 12th annual scientific meeting of the Collaborative Perspectives on Addiction. Denver, CO.
383. Luke Herchenroeder; Katherine A. Berry; Alison Looby; Adrian Bravo; Ellen Yeung. 2024. 4/11/24. Gender differences in normative misperceptions of food and alcohol disturbance among college students. Student Poster. 12th annual scientific meeting of the Collaborative Perspectives on Addiction. Denver, CO.
384. McKenna Guzman; Katherine A. Berry; Wolfgang Wuerker; Ellie Jones; Audrey Merwin; Alison Looby. 2024. 4/11/24. Positive urgency moderates relations between simultaneous alcohol and cannabis motives and frequency. Student Poster. 12th annual scientific meeting of the Collaborative Perspectives on Addiction. Denver, CO.
385. Muzayyana Akhmadjonova; Grace Shearrer. 2024. 4/20/24. Differences in brain activity during response inhibition task between children with recommended versus obese body mass indices (BMI). Student Poster. INBRE 2023 Conference: GRADUATE STUDENT POSTER SESSION. UW Conference Center, Laramie, WY.
386. Jennifer M. L. Stephens. 2024. 4/24/24. Exploring the status of rural Wyoming oncology research. Faculty. Poster. Oncology Nursing Society 49th Annual Congress. Washington, DC.