ANTHONY LAPSANSKY

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Professional Preparation

University of Montana	Missoula, MT	Organismal Biology, Ecology, and Evolution	Ph.D., exp. 2021
Gonzaga University	Spokane, WA	Biology w/ Research Concentration	B.S., 2012-2016

Publications

Lapsansky, A. B., Zatz, D., Tobalske, B. W. (2020) Alcids 'fly' at optimal Strouhal numbers in both air and water but vary stroke velocity and stroke angle. In review at *eLife.*

Lapsansky, A. B. and Tobalske, B. W. (2019) Upstroke thrust is the norm for the wing-propelled swimming of alcid seabirds in shallow water. *Journal of Experimental Biology*.

Lapsansky, A. B., Igoe, J., Tobalske, B. W. (2019) Zebra finch (T. guttata) shift toward aerodynamically efficient flight kinematics in response to an artificial load. *Biology Open*.

Presentations

Lapsansky, A. B. (2020). Biomechanics of dual-medium, morphing wings of seabirds. *Presentation at the Gordon Research Conference on Multifunctional Structures and Materials.* Ventura, California.

Lapsansky, A. B. (2020). The biomechanics of multi-functional wings in diving birds. *Presentation for the Society for Integrative and Comparative Biology*. Austin, Texas.

Lapsansky, A. B. (2019). Biomechanics and evolution of dual-medium flight in birds. *Invited Presentation for Gonzaga University Biology Department*. Spokane, Washington.

Lapsansky, A. B. (2019). The comparative biomechanics of aerial and aquatic flight in alcids. *Presentation for the Society for Integrative and Comparative Biology*. Tampa, Florida.

Lapsansky, A. B. (2018). Effects of added payload on wingbeat kinematics in a flap-bounding bird. *Presentation for the Society for Integrative and Comparative Biology.* San Francisco, California.

Lapsansky, A. B. (2016). Raptor Biology and Falconry. *Presentation for the students of Vista Middle School*. Ferndale, Washington.

Lapsansky, A. B. (2016). Using Microsatellites to Elucidate the Breeding Biology of the Northern Saw-whet owl. *Presentation at Spokane Intercollegiate Research Conference*. Spokane, Washington.

Lapsansky, A. B. (2015). Raptors, Falconry and Bird Abatement. *Presentation for the 6th-grade class of Dee Schulz*. Ferndale, Washington.

Lapsansky, A. B. (2015). Raptors, Falconry and Bird Abatement: Turning a Passion into a Career. *Presentation for "At-Risk" students of Ferndale High School*. Ferndale, Washington.

Lapsansky, A. B. and K. M. M. Steensma. (2014). Falcons and other natural predators: the importance of wildlife to healthy agriculture. *Presentation for the Barnyard Kids 4H group*. Lynden, Washington.

Teaching Experience

Freshwater Ecology – Teaching Assistant, University of Montana (Spring semesters 2017-2020)

Vertebrate Evolution and Design – Lab Instructor, University of Montana (Fall semesters 2018-2020)

Principles of Living Systems – Teaching Assistant, University of Montana (Summer 2017)

Discover Biology – Teaching Assistant, University of Montana (Fall 2016)

Science in Action – Volunteer for K-6 Education, Gonzaga University (Spring 2016)

Organic Chemistry Lab – Teaching Assistant, Gonzaga University (Fall 2015 - Spring 2016)

Athletic Department – Tutor, Gonzaga University (Fall 2013 – Fall 2015)

Awards and Synergistic Activities

Chairperson for the SICB session on *Awesome Adaptations*: 2020

Gonzaga University Biology Department invited speaker: 2019

Drollinger-Dial Travel Grant: 2018, 2019 ($1,500 each year)

Stephen and Ruth Wainwright Endowed Fellowship: 2018 ($900)

Chairperson for SICB session on *Bird Flight: Wing morphing and more*: 2018

Montana Space Grant Consortium Fellowship: 2017 ($9,650)

National Science Foundation's Graduate Research Fellowship Program: Honorable Mention

Robert and Claire McDonald Award for Academic Distinction: 2016 ($100)

Gonzaga President's List (GPA 3.7 - 4.0): All 8 Semesters

Relevant Coursework and Workshops

3D Morphometrics and Image Analysis Intense Winter Workshop, University of Washington: February 16th-23rd, 2020

Professional Scientist Skills, University of Montana: Spring 2019

Evidence-Based Teaching in Science, University of Montana: Spring 2018

Diane Ebert-May Scientific Teaching Workshop: October 6th-7th, 2017

Grant Proposal Writing, University of Montana: Fall 2016