

# Rhiannon Jakopak

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## Education

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2021 **Master of Science**, Zoology and Physiology and Environment and Natural Resources  
Advisor: Dr. Kevin Monteith  
University of Wyoming (UW), Laramie, WY – GPA: 4.0/4.0

2016 **Bachelor of Science**, Wildlife and Fisheries Biology and Management  
**Bachelor of Arts**, Religious Studies  
UW, Laramie, Wyoming – GPA: 3.7/4.0

## Research Experience

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### Outreach Coordinator and Research Scientist

Haub School of Environment and Natural Resources – UW | 3/2021 – Pres.

### Graduate Student

Department of Zoology and Physiology, Wyoming Cooperative Fish and Wildlife Research Unit,  
Haub School of Environment and Natural Resources – UW | 8/2017 – Pres.

- *Title*: Evaluating the ontogeny of migration and improving outreach efforts

### Small Mammal Trapping Project Manager

Mpala Research Centre | 5/2016 – 11/2016

- *Title*: Are elephant shrews more like elephants, or shrews? Quantifying life-history and demographics of *Elephantulus rufescens*
- *Title*: Abundance-occupancy relationships in small mammals: testing the core-satellite species hypothesis

### Undergraduate Remote Sensing Intern

WyomingView – UW | 1/2016 – 5/2016

- *Title*: Evaluating the spectral separability of crop classes in multitemporal Landsat imagery

### Undergraduate Research Fellow

Wyoming Scholars Research Program – UW | 10/2015 – 6/2016

- *Title*: Assessing a critical assumption and providing context to remotely sensed data for ecological studies

### Undergraduate Research Fellow

Wyoming EPSCoR – UW | 7/2015 – 5/2016

- *Title*: Organizing the pantry: cache management improves quality of overwinter food stores in a montane mammal

### Undergraduate Research Intern

McNair Scholar Program – UW | 4/2012 – 9/2012

- *Title*: Rebranding Israel: War, Tourism, and Sex

## Professional Experience

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### Legislative Intern

Wyoming Outdoor Council | 1/2019

### Writing Center Graduate Assistant

UW Writing Center – UW | 8/2017 – 5/2018

### Ground Squirrel Trapping Technician

Idaho Cooperative Fish and Wildlife Research Unit – University of Idaho | 4/2017 – 8/2017

### Center Supervisor

Blue Bonnet Swamp Nature Center – East Baton Rouge Parish Parks and Recreation, Baton Rouge, LA | 11/2016 – 2/2017

### Field Technician

Wyoming Cooperative Fish and Wildlife Research Unit – UW | 5/2015 – 7/2015

### Crew Member

Wyoming Conservation Corps – UW | 5/2014 – 8/2014

### Applied Sciences Writing Intern

Seney National Wildlife Refuge and Lake States Fire Science Consortium | 1/2014 – 3/2014

### Ecology Team Leader

Upward Bound Math Science Program – UW | 5/2013 – 7/2013

### Safe Zone Program Coordinator

Campus Activities Center – UW | 1/2013 – 5/2014

## Teaching Experience

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- Teaching Assistant: Mammalogy, UW | 2020
- Teaching Assistant: Principles of Fish and Wildlife Management, UW | 2019, 2020
- Graduate Writing Tutor, UW Writing Center | 2017-2018
- Teaching Assistant: Field Methods in Mammalogy, Mpala Research Centre | 2016
- Undergraduate Teaching Assistant: Principles of Fish and Wildlife Management and Mammalogy, UW | 2015-2016
- Supplemental Instructor: History of Islam, African Spirits in the New World, UW | 2013

## Peer-Reviewed Publications

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1. Aikens, E. O., S. P. H. Dwinnell, T. N. LaSharr, **R. P. Jakopak**, G. L. Fralick, J. Randall, R. Kaiser, M. Thonhoff, M. J. Kauffman, and K. L. Monteith. 2021. Migration distance and maternal resource allocation determine timing of birth in a large herbivore. *Ecology*, in press.
2. Ortega, A. C., S. P. Dwinnell, T. N. LaSharr, **R. P. Jakopak**, K. Denryter, K. S. Huggler, M. M. Hayes, E. O. Aikens, T. L. Verzuh, A. B. May, M. J. Kauffman, and K. L. Monteith. 2020.

Effectiveness of partial sedation to reduce stress in captured mule deer. *Journal of Wildlife Management* 84:1445-1456.

3. Monteith, K. L., K. L. Monteith, J. A. Jenks, and **R. Jakopak**. 2020. One in the hand worth two in the bush? Reproductive effort of young males is not affected by the presence of adult males. *Frontiers in Ecology and Evolution* 8:274.
4. **Jakopak, R.**, T. N. LaSharr, S. P. H. Dwinnell, G. L. Fralick, and K. L. Monteith. 2019. Rapid acquisition of memory in a complex landscape by a mule deer. *Ecology* 100:e02854.
5. Goheen, J. R., D. J. Augustine, K. E. Veblen, D. M. Kimuyu, T. M. Palmer, L. M. Porensky, R. M. Pringle, C. Riginos, A. T. Ford, A. A. Hassan, **R. Jakopak**, T. R. Kartzinel, S. Kurukura, A. M. Louthan, W. O. Odadi, T. O. Otieno, A. M. Wambua, H. S. Young, and T. P. Young. 2018. Conservation lessons from large-mammal manipulations in East African savannas: the KLEE, UHURU, and GLADE experiments. *Annals of the New York Academy of Sciences* 1429(1): 31-49.
6. **Jakopak, R.**, L. E. Hall and A. D. Chalfoun. 2017. Organizing the pantry: cache management improves the quality of overwinter food stores in a montane mammal. *Journal of Mammalogy* 98(6): 1674–1681.

## Other Academic Publications

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1. **Jakopak, R.** 2020. Review of *Talking Maps*. *Cartographic Perspectives* 96.
2. **Jakopak, R.** and T. N. LaSharr. 2019. Hunting and mountain sheep: do current harvest practices affect horn growth? Research brief for the Haub School of Environment and Natural Resources.
3. **Jakopak, R.** 2019. Wildlife license plates—where are we now? Legislative update for The Wildlife Society.
4. **Jakopak, R.**, K. L. Monteith, and B. G. Merkle. 2019. Writing science: improving understanding and communication skills with the “unessay”. *Bulletin of the Ecological Society of America*.  
\*Received recognition as a top downloaded paper in the *Bulletin of the Ecological Society of America* 2018-2019.
5. **Jakopak, R.** 2018. When pop culture and ecology jive. *Engage Laramie Science* blog post.
6. **Jakopak, R.** and J. Polasik. 2014. Fire and Black-Backed Woodpeckers in Upper Michigan. Seney National Wildlife Refuge. Research brief.
7. **Jakopak, R.** 2014. The 1976 (Walsh Ditch) Fire & Wildlife. Seney National Wildlife Refuge. Research brief.

## Popular Media

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1. **Jakopak, R.** 2021. Bar room banter: jackalopes are real? *MeatEater*, online publication. <https://www.themeateater.com/conservation/wildlife-management/bar-room-banter-jackalopes-are-real>
2. **Jakopak, R.** 2020. The Rose Petal Hypothesis: Why deer hunting spots go dry. *MeatEater*, online publication. <https://www.themeateater.com/hunt/big-game/the-rose-petal-hypothesis-why-deer-hunting-spots-go-dry>
3. **Jakopak, R.** 2020. How often do whitetail and mule deer hybridize? *MeatEater*, online publication. <https://www.themeateater.com/conservation/wildlife-management/how-often-do-whitetail-and-mule-deer-hybridize>

4. **Jakopak, R.,** T. LaSharr, and B. Wise. 2018. Bill improves safety on Wyo. roads for people and wildlife. *Cheyenne Tribune Eagle* Letter to the Editor.
5. Beagle, E., J. Bennet Ponsford, **R. Jakopak,** G. Nikolov, and A. Parker. 2017. Put Wyoming first: Leave graduate tuition untaxed. *Casper Star Tribune* Letter to the Editor.
6. **Jakopak, R.** 2016. It's the little things: What we can learn from small mammals. Mpala Research Centre Memos.

## Research Presentations

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\* Indicates presented.

1. **Jakopak, R.,\*** T. N. LaSharr, S. P. H. Dwinell, G. L. Fralick, and K. L. Monteith. 2019. Not all who wander are lost: navigation and memory in mule deer. Wyoming Chapter of The Wildlife Society. Oral presentation.
2. Fattebert, J., J. Merkle, H. Sawyer, H. Copeland, T. Nunez, G. Anderson, G. Fralick, C. Schroeder, D. Olson, K. Hersey, A. Ortega, **R. Jakopak,** T. LaSharr, S. Dwinell, K. Monteith, & M. Kauffman. 2019. Evaluating the impact of towns on mule deer migration corridors. The Wildlife Society. Oral presentation.
3. **Jakopak, R.,\*** T. N. LaSharr, S. P. Dwinell, G. L. Fralick, and K. L. Monteith. 2019. The mystery of movement & memory in mule deer. American Society of Mammalogists. Oral presentation.
4. **Jakopak, R.\*** 2019. Movement, memory, and the mystery of migration in mule deer. Graduate Student Network Community Outreach. Lightning talk.
5. **Jakopak, R.\*** 2019. Movement, memory, and the mystery of migration in mule deer. Wyoming Cooperative Fish and Wildlife Research Unit Cooperator Meeting. Lightning talk.
6. **Jakopak, R.\*** 2018. Are you picking up what I'm putting down? Evaluating the ontogeny of migration and improving outreach efforts. Zoology and Physiology Departmental Brown Bag. Oral presentation.
7. **Jakopak, R.\*** 2018. Are you picking up what I'm putting down? Evaluating the ontogeny of migration and improving outreach efforts. Presentation to the Student Chapter of The Wildlife Society at UW. Invited oral presentation.
8. **Jakopak, R.,** and K. Monteith. 2018. Does the petal fall from the rose? Revealing the ontogeny and consequences of ungulate migration. International Deer Biology Congress. Poster presentation.
9. **Jakopak, R., \*** E. Aikens, K. Monteith. 2018. Quantifying forage characteristics for ungulates with remotely sensed data. American Society of Mammalogists. Oral presentation.
10. **Jakopak, R.,\*** and K. Monteith. 2018. Does the petal fall from the rose? Revealing the ontogeny and consequences of ungulate migration. American Society of Mammalogists. Poster presentation.
11. Malignati, L., D. M. Boro, M. Dyck, **R. Jakopak,** T. O. Otieno, A. M. Wambua, T. M. Palmer, R. M. Pringle, and J. R. Goheen. 2018. The Ungulate Herbivory Under Rainfall Uncertainty (UHURU) Experiment, Laikipia Kenya. Kenyan National Science Week. Poster presentation.
12. **Jakopak, R.\*** 2018. Does the petal fall from the rose? Revealing the ontogeny and consequences of ungulate migration. Wyoming Cooperative Fish and Wildlife Research Unit Annual Cooperator Meeting. Ignite talk.
13. **Jakopak, R.,\*** M. Drollette, and K. Monteith. 2018. Writing Center Approach to Student Success in the Science Classroom. Colorado Wyoming Writing Tutors Conference. Panel discussion.

14. **Jakopak, R.,\*** M. Drollette, and K. Monteith. 2018. The benefits of collaboration between science and writing centers. Rocky Mountain Writing Centers Association. Oral presentation.
15. **Jakopak, R.,\*** and K. Monteith. 2017. Does the petal fall from the rose? Revealing the ontogeny and consequences of ungulate migration. Wyoming Chapter of The Wildlife Society. Poster presentation. *Awarded Best Student Poster Presentation.*
16. **Jakopak, R.,\*** A. M. Wambua, and J. R. Goheen. 2017. Are elephant shrews more like elephants, or shrews? Quantifying life-history and demographics of *Elephantulus rufescens*. American Society of Mammalogists. Poster presentation.
17. J. R. Goheen, D. E. Boro, **R. Jakopak**, T. R. Kartzinel, S. D. Newsome, and A. M. Wambua. 2017. Climate forcing, inter-individual variation, and specialization in an African small-mammal community. American Society of Mammalogists. Oral presentation.
18. **Jakopak, R.,\*** L. E. Hall and A. D. Chalfoun. 2016. Understanding the architecture of food caches in a montane mammal. University of Wyoming Undergraduate Research Day. Oral presentation.
19. **Jakopak, R.,\*** E. O. Aikens and K. L. Monteith. 2016. Assessing a critical assumption and providing context to remotely sensed data for ecological studies. University of Wyoming Undergraduate Research Day. Oral presentation.
20. **Jakopak, R.,\*** and R. Sivanpillai. 2016. Evaluating the spectral separability of crop classes in multi-temporal Landsat imagery. University of Wyoming Undergraduate Research Day. Oral presentation.
21. **Jakopak, R.,\*** L. E. Hall and A. D. Chalfoun. 2016. Organizing the pantry: Pikas do it, too! Front Range Student Ecology Symposium. Poster presentation.
22. **Jakopak, R.,\*** L. E. Hall and A. D. Chalfoun. 2015. Understanding the architecture of food caches in a montane mammal. Wyoming Chapter of The Wildlife Society and Wyoming Landscape Conservation Initiative Joint Conference. Poster presentation.

## Professional Memberships

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American Society of Mammalogists

Committee member: Human Diversity Committee (2018-Pres.)

University of Wyoming Student Chapter of The Wildlife Society (inactive)

Treasurer (2015)

Wyoming Chapter of The Wildlife Society

Committee member: Legislative Committee (Member: 2017-Pres., Chair: 2019-Pres.)

Conservation Affairs Network Liaison