

**Lise M. Aubry**  
Assistant Professor  
Dept. of Wildland Resources & the Ecology Center,  
Utah State University, NR 356, 5230 Old Main Hill Logan, 84322 UT, USA  
[lise.aubry@usu.edu](mailto:lise.aubry@usu.edu)  
<http://liseaubry.webs.com/>

I am a population ecologist interested in quantifying the impacts of anthropogenic factors (climate change, habitat fragmentation) on the ecology, demography, and microevolution of wild species (mainly vertebrates). How wild populations respond to management actions (e.g. harvest) and conservation practices is also a topic of great interest. My research calls for the analyses of longitudinal data and methodologies that stem from demography, population ecology, and life history theory.

---

## PROFESSIONAL EXPERIENCE

2015 – Present	Assistant Professor, Utah State University
2012 – 2015	Research Assistant Professor, Utah State University
2013 – 2014	Visiting Scholar, CNRS CEFE, France
2011 – 2012	NSF Postdoctoral Fellow, Utah State University
2009 – 2011	Berryman Postdoctoral Fellow, Berryman Institute

---

## EDUCATION

2009	Ph.D. in Evolutionary ecology from the Max Planck Institute for Demographic Research, MPIDR (Germany) & the University Paul Sabatier UPS (France)
2005-2008	International Max Planck Research School for Demography: IMPRS fellow
2005-2006	European Doctoral School for Demography: EDSO fellow
2005	M.S. in Biology, Ecology and Evolution (2nd year), UPS
2004	D.E.S.U. (Superior Studies in Ecology), UPS
2003	M.S. in Ecology (1st Year), Concordia University, Montréal (Canada)
2002	B.S. in Biology, UPS

---

## PUBLICATIONS

\*senior author, \*\*equal contribution, \*\*\* advised graduate student

### *Peer-reviewed manuscripts in review and advanced stage of preparation*

1. Authier M., **Aubry L.M.**, and E. Cam. Wolf in Sheep's Clothing: Model Misspecification Undermines Tests of The Neutral Theory for Life Histories. Ecology and Evolution (under review). IF = 2.537

2. Jenouvrier S., **Aubry L.M.**, Barbraud C., Weimerskirch H. and H. Caswell. Frailty in vital rates unravels a diversity of life histories in an Antarctic seabird population. *Ecology* (under review). IF = 4.733
3. Mullins M., and **L.M. Aubry\***. Impacts of Road Closure, Climate, and Vegetation Change on Elk demography. Advance stage of preparation for the *Western North American Naturalist*. IF = 0.5
4. Raithel J.D, Reynolds-Hogland M., Koons D.N., Carr P., and **L.M. Aubry\***. TBA. Advance stage of preparation for *Biological Conservation*. IF = 3.562
5. **Aubry L.M.**, Iles D., Gimenez O., Choquet R., Rockwell R., and D.N. Koons. The curious disappearance of cohort effects: robustness to natal habitat degradation in an over-abundant species. Advanced stage of preparation for *Journal of Animal Ecology*. IF = 4.841
6. Jenouvrier S., **Aubry L.M.**, Barbraud C., Weimerskirch H. and H. Caswell. Selection spells on Southern Fulmar life histories: extreme climatic events increase individual heterogeneity. Advanced stage of preparation for *Global Change Biology*. IF = 8.444
7. Cam E., Authier M., **Aubry L.M.**, Jaffré M., Sallé L., Monnat J.-Y., Link W.A., Pradel R., and O. Gimenez. Age, experience, clutch size and demographic heterogeneity in female kittiwakes: effects and effect sizes revisited. Early stage of preparation for *Ecology*. IF = 4.733
8. **Aubry L.M.**, Choquet R., Gimenez O., Rockwell R. and D.N. Koons. Long-term consequences of early-life environmental conditions in lesser snow geese. Early stage of preparation for *Proceedings of the Royal Society Biological Series*.

***Peer-reviewed journal articles published or in press***

9. Raithel J.D\*\*\*, Reynolds-Hogland M., Koons D.N., Carr P., and **L.M. Aubry\***. Recreational harvest and incident-response protocols reduce human-carnivore conflicts in an anthropogenic landscape. *Journal of Applied Ecology* (accepted), IF = 4.564.
10. Cam E., **Aubry L.M.\*\***, and M. Authier. The conundrum of heterogeneity in life histories *Trends in Ecology and Evolution*, 31(11): 872–886, IF = 16.196.
11. Wolfe M.L., Gese E., Stoner D., Terletzky P., and **L.M. Aubry\***. Evaluation of harvest indices for cougar management in Utah (2016). *Journal of Wildlife Management*, 80(1): 27-36. IF = 1.726
12. Wolfe, M. L., Koons, D. N., Stoner, D. C., Terletzky, P., Gese, E. M., Choate, D. M., & **Aubry, L. M.\*** (2015). Is anthropogenic cougar mortality compensated by changes in natural mortality in Utah? Insight from long-term studies. *Biological Conservation*, 182: 187-196. IF = 3.562
13. Dowd J.B., Gese E. and **L.M. Aubry** (2014). Winter space use of coyotes in high-elevation environments: behavioral adaptation to deep snow. *Journal of Ethology*, 32: 29-41. IF = 0.79
14. Koons D.N., Gamelon M., Gaillard J.M., **Aubry L.M.**, Rockwell R.F., and O. Gimenez (2014). Methods for studying cause-specific senescence in the wild. *For Methods in Ecology and Evolution*, 5(9): 924–93. IF = 5.322

15. Koons D.N., Rockwell R.F. and **L.M. Aubry** (2014). Effects of exploitation on a native invasive species: the lesser snow goose dilemma. *Journal of Animal Ecology*, 83(2): 365–374. IF = 4.726
16. **Aubry L.M.**, Rockwell R.F., Cooch E.G., Brook R., Mulder C., and D.N. Koons (2013). Climate change, phenology and habitat degradation: drivers of gosling body condition and juvenile survival in lesser snow geese. *Global Change Biology*, 19(1): 149-160. IF = 8.224
17. Dowd J.B., Gese E. and **L.M. Aubry** (2013). Coyote movements into lynx winter habitat: snowmobile trails as a driver for inter-specific competition? *Plos One*, DOI: 10.1371/journal.pone.0082862. IF = 3.534
18. Cam E., Gimenez O., Alpizar-Jara R., **Aubry L.M.**, Authier M., Cooch E.G., Koons D.N., Link W.A., Monnat J.-Y., Nichols J.D., Rotella J.J., Royle J.A., R. Pradel (2013) Looking for a needle on a haystack: inference about individual fitness components in a heterogeneous population. *Oikos*, 122: 739-753. IF = 3.559
19. Berg N.D., Gese E.M., Squires J.R. and **L.M. Aubry** (2012) Influence of forest structure on abundance of lynx prey species in western Wyoming. *Journal of Wildlife Management*, 76(7): 1480-1488. IF = 1.64
20. **Aubry L.M.**, Cam E., Koons D.N., Monnat J.-Y. and P. Samuel (2011) The role of unobserved and observed heterogeneity in shaping survival in a long-lived seabird. *Journal of Animal Ecology*, 80(2): 375-383. IF = 4.754
21. Verheyden H., **Aubry L.M.**, Merlet J., Petibon P., Chauveau-Duriot B., Guillon N., Duncan P (2011) Faecal nitrogen, an index of diet quality in roe deer *Capreolus capreolus*? *Wildlife Biology*, 17: 166- 175. IF = 0.989
22. Cam E. and **L.M. Aubry\*\*** (2011) Early condition, recruitment and reproductive trajectory in long lived birds. *Journal of Ornithology*, 152:187-201. IF = 1.632
23. **Aubry L.M.**, Rockwell R., and D.N. Koons (2010). Metapopulation dynamics of mid-continent lesser snow geese: implications for management. *Human Wildlife Interactions*, 4(2): 11-32.
24. **Aubry L.M.**, Koons D.N., Monnat J.-Y. and E. Cam (2009). Consequences of recruitment decisions and heterogeneity on age-specific breeding success in a long-lived seabird. *Ecology*, 90(9): 2491- 2502. IF = 4.411
25. **Aubry L.M.**, Cam E. and J.-Y. Monnat (2009) Habitat selection, age-specific recruitment, and reproductive success in a long-lived seabird, the black-legged kittiwake; In *Modeling demographic processes in marked populations series*, Environmental and Ecological Statistics, 3:365-392. IF = 1.47

### ***Agency Reports***

- Wolfe M., Gese E., Terletzky P., Stoner D., and **L.M. Aubry\*** (2014). Evaluation of harvest indices currently used for cougar management in Utah: Oquirrh-Stansbury and Monroe Units as case studies. Utah Division of Wildland resources.

### ***Theses & Dissertation***

- Aubry L.M. (2009). Influence of recruitment decisions and reproductive investment on the age-specific demography of a long-lived seabird: Implications for senescence. PhD Dissertation, collaboration: MPIDR, Rostock, Germany / UPS, Toulouse, France
- Aubry L.M. (2005) Spatial structure of the Roe deer's dietary quality (*Capreolus capreolus*) in a fragmented landscape; Master Thesis, UPS, Toulouse, France
- Aubry L.M. (2004) Habitat selection and age at first reproduction in a long-lived species of seabird, the black legged Kittiwake (*Rissa tridactyla*); DESU Thesis, UPS, Toulouse, France

---

## RESEARCH PROJECTS & GRANTS

- 2016                    Demography and stress physiology of the Colorado checkered whiptail at the edge of its range, implications for its conservation on DoD lands (Fort Carson and the Piñon Canyon Maneuver Site, Colorado). L.M. Aubry (**PI**), S.S. French (Co-PI), and Bryan Kluever (Co-PI). **\$90,000** (Pending)
- 2015-2020            Eco-evolutionary responses to climate change in a plant-herbivore system: an interdisciplinary approach. Utah Agricultural Experiment Station: **\$113,007** to L.M. Aubry (**PI**).
- 2013-2016            Adaptive responses of Uinta ground squirrels to climate change: learning from a hibernating indicator species. National Geographic Explorer grant: **\$19,995** to L.M. Aubry (**PI**), Susannah French (Co-PI), and Scott Bernhardt (Co-PI).
- 2012-2013            Adaptive responses to climate change in our backyard: Drivers of life history variation in the Uinta ground squirrel. Research Catalyst, Utah State University: **\$19,880** to L.M. Aubry (**PI**), Susannah French (Co-PI), and Scott Bernhardt (Co-PI).
- 2013-2017            Black bear population dynamics and management. Bear trust international & the New Jersey Division of Fish & Wildlife: **\$28,000** to L.M. Aubry (**PI**).
- 2013-2014            Cougar population dynamics in Utah, implications for management. Utah Division of Wildlife Resources: **\$19,734** to L.M. Aubry (**PI**).
- 2011-2013            Coyote space use and habitat selection (in collaboration with Eric Gese). **Pro Bono.**
- 2011-2012            Long-term demographic effects of early-life environmental conditions in lesser snow geese (PI: David Koons, Co-PIs: Olivier Gimenez, Robert Rockwell). NSF-DEB, Population and Community Ecology Cluster: **\$80,000** to L.M. Aubry (**Postdoctoral fellow**).

- 2009-2010      Relative impacts of policy change and human harvest on lesser snow goose population dynamics (PI: Lise Aubry, Co-PI: David Koons). Berryman institute. \$80,000 to L.M. Aubry (Postdoctoral fellow).
- 2005-2008      Trade-offs and individual heterogeneity in long-lived organisms (in collaboration with Emmanuelle Cam and Jean-Yves Monnat). Max Planck Institute for Demographic Research. \$50,800 to L.M. Aubry (PhD fellow).
- 

## FELLOWSHIPS, AWARDS & HONORS

- 2014              Center for Woman and Gender (\$500)
- 2009-2010      Berryman Institute Postdoctoral fellowship: \$80,000
- 2010              Travel award, First World Seabird Conference, Victoria, Canada: \$1,200
- 2008              ATUPS Travel fellowship award, France: \$2,500
- 2005-2008      Max Planck Institute for Demographic Research, Ph.D. scholarship: \$50,800
- 2004-2005      Institut de Recherche sur les Grands Mammiferes, Institut Nationale de Recherche Agronomique, France, M.S. scholarship: \$3,800

## TRAVEL GRANTS

- 2016              Utah Agricultural Experiment Station, Travel Grant to attend the 2016 Evolutionary Demography Meeting in Charlottesville, VA (\$500)
- 2016              USU Ecology Center, Travel Grant to attend the Evolutionary Demography Meeting in Charlottesville, VA (\$800)
- 2013              CNR USU professional development grant, Travel to participate in the “Integral Projection Models and IPMpack” in Odense, Denmark: \$500
- 2012              Center for Woman and Gender, USU, Travel grant: \$500

## AWARDS TO ADVISEES

- 2016              Lucas Henzler, URCO fellowship: **\$1,500**
- 2016              Jarod Raithel, Robins Award, Graduate Instructor of the Year (institution-wide competition).
- 2016              Jarod Raithel, QCNR Graduate Instructor of the Year.
- 2016              Jarod Raithel, Ecology Center travel grant.
- 2016              Jarod Raithel, Department of Wildland Resource travel grant
- 2015              Kari Norman: USU Undergraduate Research and Creative Opportunities: **\$2,000**
- 2013-2017      Jarod Raithel, USU Presidential Doctoral Fellowship: **\$52,000**
- 

## PRESENTATIONS

### *Invited seminars*

- 2016      Graduate Student Association of the Ecosystem Science and Management Department at Texas A&M University on the theme of "Disturbance in the Anthropocene: a multi-ecosystem perspective". Title: TBA. November 15th, College Station, TX.

- 2016 Restoring the West Conference. Wildlife response to climate change in the Western US: Learning from indicator species. October 19th, USU, Logan, UT.
- 2016 Responses to climate change in the wild: learning from indicator species. Climate Change Workshop for Teachers at Utah's Hogle Zoo, "Weather, Water, Wildlands and Community: Teaching Climate Change in Utah", sponsored by NOAA. <https://www.climate.gov/teaching/professional-development/climate-education-workshop-salt-lake-city-ut>. June 15th, Salt Lake City, UT.
- 2015 Ecological and evolutionary responses to environmental change: from individuals to populations. University of Nevada, Reno, NV.
- 2015 Departmental seminar, Utah State University, College of Natural Resources, Logan, UT.
- 2015 Keynote speaker: 4th annual Program in Ecology Student Symposium. University of Wyoming, Laramie, WY.
- 2014 Some demographic approaches to conservation dilemmas. CNRS, Centre d'Ecologie Fonctionnelle et Evolutive, Montpellier, France.
- 2013 Evolutionary demography & wildlife management: two sides of the same coin. Ecology Center Interdisciplinary Lunch, Utah State University, Logan, UT.
- 2011 Long-term demography and the evolutionary ecology of senescence: the case of a long-lived seabird. Ecology, Evolution, and Conservation Biology Colloquium series, University of Nevada, Reno, NV.
- 2011 Individual variability in life histories: implications for management. Departmental Series, Utah State University, Logan, UT.
- 2005 Habitat selection and age at first reproduction in a long-lived species of seabird (*Rissa tridactyla*), Max Planck Institute for Demographic Research, Rostock, Germany.
- 2005 Spatial structure of the Roe deer's dietary quality (*C. capreolus*) in a fragmented landscape, Evolution et Diversité Biologique, Université Paul Sabatier, Toulouse, France.
- 2005 Spatial structure of the Roe deer's dietary quality (*C. capreolus*) in a fragmented landscape, CNRS Centre D'Etude Biologique de Chizé, France.
- 2004 Habitat selection and age at first reproduction in a long-lived species of seabird (*Rissa tridactyla*), Evolution et Diversité Biologique, Toulouse, France.

### ***Conference Presentations & Meetings (selected)***

- 2016 Jenouvrier S., **Aubry L.M.** (presenter), and H. Caswell. Evolutionary Demography Meeting. Unobserved heterogeneity in vital rates creates a diversity of life history 'complexes' in an Antarctic seabird population. October 4th, University of Virginia, VA.
- 2015 Authier M., **Aubry L.M.**, Cam E. How (Not) to Test Demographic Heterogeneity with The Neutral Theory of Life Histories. University of Toulouse III, Evolution et Diversité Biologique, 27 October 2015, Toulouse, France.
- 2014 Cam E., Authier M., Link W., **Aubry L.M.**, Monnat J.-Y Variation in fitness components and demographic heterogeneity in female kittiwakes: effects and effect sizes revisited.

Joint 2014 Annual Meeting British Ecological Society and Société Française d'Ecologie, 9-12 December, Grand Palais, Lille, France.

- 2013 **Aubry L.M.**, Koons D.N., Gimenez O. and R.F. Rockwell. Consequences of early-life environment on senescence in the wild. Evolutionary Demography Society First Annual Meeting, 6-10 October 2013, Odense, Denmark.
- 2013 Koons D.N., **Aubry L.M.**, Gimenez O. and R.F. Rockwell. Ageing in the wild: senescence in cause-specific mortality when detection is imperfect. Evolutionary Demography Society First Annual Meeting, 6-10 October 2013, Odense, Denmark.
- 2013 **Aubry L.M.**, Rockwell R.F., Cooch E.G., Brook R., Mulder C., and D.N. Koons. Climate change, phenology and habitat degradation: drivers of gosling body condition and juvenile survival in lesser snow geese, North American Duck Symposium, 27-31 January 2013, Memphis, Tennessee.
- 2012 Rockwell R.F. and **L.M. Aubry**. The Hudson Bay Project. Central Flyway Meeting, 26 February-3 March 2012. Grand Island, Nebraska.
- 2011 **Aubry L.M.**, Cooch E.G.C., Rockwell R.F., and D.N. Koons. Compensatory versus additive mortality in lesser snow geese: implications for population control. 12th North American Arctic Goose Conference, 11-15 January 2011, Portland, Oregon.
- 2011 Koons D.N., Rockwell R.F., and **L.M. Aubry**. The Implications of metapopulation dynamics for the management of mid-continent Lesser Snow Geese. 12th North American Arctic Goose Conference, 11-15 January 2011, Portland, Oregon.
- 2010 **Aubry L.M.**, Cam E., Monnat J.-Y., Pavard S., and D.N. Koons. Trade-offs in the black-legged kittiwake. The First World Seabird Conference, 7-12 September 2010, Victoria, British Columbia, Canada.
- 2010 **Aubry L.M.**, Rockwell R.F., and D.N. Koons. Metapopulation dynamics of Mid-continent Lesser Snow Geese: Implications for management. Berryman Institute Symposium, 10-12 May 2010, Logan, Utah, USA.
- 2007 **Aubry L.M.**, Cam E., and J.-Y. Monnat. Habitat selection, age-specific recruitment and consequences on reproductive success: a long-term study of black-legged Kittiwakes, EURING technical meeting, 14-20 January 2007, Dunedin, New Zealand.

### ***Outreach presentations & Other***

- 2016 **Aubry L.M.** Responses to Climate Change in the Wild: Learning from indicator species. Climate Change Workshop for Teachers at Utah's Hogle Zoo, sponsored by NOAA. May 23, Salt Lake City, UT.
- 2016 **Aubry L.M.** UDWR-USU Brown Bag Luncheon Seminar. Demographic Approaches to Wildlife Conservation and Management Dilemmas. March 1st, Salt Lake City, UT.
- 2014 **Aubry L.M.**, French S.S., Meier C., and S.A. Bernhardt. Adaptive responses to climate change in a hibernator: ecological and evolutionary drivers of persistence. June 9th 2014, Natural History Museum, Salt Lake City, UT.

### ***Student presentations***

- 2016 **L. Henzler** (undergraduate advisee), **C. Falvo** (MS student), and L.M. Aubry. Impacts of climate change on the fitness of an indicator species: the Uinta ground squirrel. The Wildlife Society Wyoming Chapter meeting, Cody WY. November 15-17th 2016.
- 2016 **Jarod D. Raithel** et al. (PhD student). Ecological Society of America Annual Meeting, August 7<sup>th</sup> – 12<sup>th</sup>, Fort Lauderdale, FL.
- 2016 **Jarod D. Raithel** et al. (PhD student). 24th International Conference on Bear Research and Management, June 12<sup>th</sup>-16<sup>th</sup>, Anchorage, AK.
- 2016 **K. Norman** (undergraduate advisee) and L.M. Aubry. Demographic Consequences of Climate Change in a Hibernator, the Uinta Ground Squirrel. Utah State Student Research Symposium, April 2016.
- 2016 **K. Norman** (undergraduate advisee) and L.M. Aubry. Demographic Consequences of Climate Change in the Uinta Ground Squirrel. Research on Capitol Hill, Salt Lake City, January 2016.
- 2015 **Jarod D. Raithel** (PhD student). What I Wished I Knew – The Importance of Your Graduate Cohort. Presenter at Graduate Training Series Seminar (GrTS). September 2015, Utah State University, Logan, UT
- 2015 **Jarod D. Raithel** (PhD student). What exactly is an ‘urban bear? Characterizing black bear space use across an anthropogenic landscape gradient. April 9, 2015. USU Research Week 2015, Utah State University, Logan, UT.
- 2014 **Jarod D. Raithel** (PhD student). Integrating Black Bear Behavior, Spatial Ecology and Population Dynamics across an Anthropogenic Landscape Gradient. April 18, 2014. WILD Department’s Pre-Project Symposium, Utah State University, Logan, UT.
- 2014 **Jarod D. Raithel** (PhD student). Infinity in the Palm of your Hand.” TEDxUSU Event, Utah State University, Logan, UT, Oct 2014: <http://tedx.usu.edu/event/jarod-raithel/>
- 2014 **Jarod D. Raithel** (PhD student). Science and Storytelling: Wonder, Humility, Gratitude and Interconnectedness. USU’s Ignite! Seminar Series, Utah State University, Logan, UT, April 2014: <http://www.youtube.com/watch?v=V6skjb1L1EU>

## TEACHING AND MENTORING ACTIVITIES

### Current Advisees

- 2016-Present: **Caylee Falvo** (M.S. student, Wildland Resources & the Ecology Center). M.S. title: Climate-driven variability in the phenology and demography of a hibernating species
- 2013-Present: **Jarod Raithel** (Ph.D. candidate, USU Presidential Fellow, Wildland Resources & the Ecology Center).



Dissertation title: Integrating black bear behavior spatial ecology, and population dynamics along an anthropogenic gradient: implications for management.

2013-Present: **Amanda Christensen** (MNR student, USU MNR program)

M.S. title: Relating pre-construction Hawaiian hoary bat activity with post-construction fatalities at four Hawaiian wind farms.

2014-Present: **Matthew Mullins** (MNR student, USU MNR program)

M.S. title: Assessing the Effectiveness of Access Restrictions to Reduce Wildlife Disturbance in the Gros Ventre Road Corridor

2015-Present: **Lucas Henzler** (Undergraduate advisee) assists with field research and data entry. “Impacts of climate change on the fitness of an indicator species: the Uinta ground squirrel”.

2014-2016: **Kari Norman** (Undergraduate research advisee, Quinney Fellow). “A hibernator’s response to climate change: ecological drivers of persistence”.

### Graduate committees

- Committee Chair (since 2016): Caylee Falvo (MS, USU, Wildland Resources)
- Committee Chair (since 2014): Matthew Mullins (MS, USU, MNR program)
- Committee Chair (since 2013): Amanda Christensen (MS, USU, MNR program)
- Committee Chair (since 2013): Jarod Raithel (PhD, USU, Wildland Resources)
- Committee member (since 2015): Justin Crump (MS, USU, MNR program)
- Committee member (since 2014): Kate Galbreath (PhD, USU, Wildland Resources)
- Committee member (since 2014): Angelique Curtis (MS, USU, MNR program)
- Committee member (since 2014): Michael Robinson (MS, USU, MNR program)
- Committee member (since 2014): Karen Duncan (MS, USU, MNR program)
- Committee member (since 2013): Daniel Kinka (PhD, USU, Wildland Resources)
- Committee member (since 2014-2016): Andrew Durso (PhD, USU, Biology)
- Committee member (since 2014-2016): Joel Ruprecht (MS, USU, Wildland Resources)

### Teaching

I have developed a number of online classes for undergraduate and graduate students. I enjoy teaching quantitative topics to students interested in population ecology, general ecology, evolutionary biology, wildlife management, conservation, data management, programming, and statistics. Although I mostly teach online classes, I also enjoy teaching in the classroom and have delivered a number of guest lectures for colleagues in the College of Natural Resources.

### Online Instructor

- Monitoring and Assessment in Natural Resource and Environmental Management (WILD 4750, 3 credits): Undergraduate class, Fall 2015, Fall 2016.
  - Fall 2015 Evaluations: **4.9/5; Top 10th percentile** within USU instructors.
- Plant and Animal Populations (WILD 3810, 3 credits): Undergraduate class, Spring 2015.
  - Spring 2015 Evaluations: **4.3/5; Top 40th percentile** within USU instructors.
- Basic Statistics and Programming for Natural Resource Managers (NR 6580, 3 credits): Masters of Natural Resources, taught every spring.
  - Spring 2015 Evaluations: **4.6/5; Top 20th percentile** within USU instructors.
  - Spring 2014 Evaluations: **4.9/5; Top 10th percentile** within USU instructors.

- Spring 2013 Evaluations: **4.9/5; Top 10th percentile** within USU instructors.
- Ecology of Animal Populations (WILD 6900, 3 credits): Masters of Natural Resources
  - Spring 2012 Evaluations: **4.5/5; Top 20th percentile** within USU instructors.

### Guest Lecturer

- Monitoring and Assessment in Natural Resource and Environmental Management (WILD 4750), USU, Fall 2014, Fall 2016
- Ecology of Animal Populations (WILD 6400), USU, Fall 2010, Fall 2011
- Plant and Animal Populations (WILD 3810), USU, Spring 2009
- Ecology of Animal Populations (WILD 6400), USU, Fall 2008

### PROFESSIONAL SKILLS

- General statistical estimation and modeling
- Programming Skills: R, MARK, RMARK, E-Surge
- Capture-Mark-Recapture analysis (Known-fate, CJS, Multistate, and Burnham models)
- Time-to-Failure Survival analysis: Kaplan-Meier, CoxPH, AFT, parametric models
- Matrix population modeling
- Online teaching: Canvas, Camtasia

### PROFESSIONAL TRAINING: Workshop and training activities attended

- |         |                                                                                                                                               |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 2016    | Bayesian integrated population modeling using BUGS and JAGS. M. Schaub, M. Kery, and D. Koons. 25-29th July 2016, USU, Logan, UT.             |
| 2016    | Individual stochasticity: An introduction to demographic models and analysis. H. Caswell. October 4th 2016, University of Virginia, VA.       |
| 2016    | Advanced approaches to population modeling using Integral Projection Models. R. Salguero-Gomez. October 5th 2016, University of Virginia, VA. |
| 2014    | Find your once-in-20-years student every year workshop, Sept 18 <sup>th</sup> , USU, Logan UT                                                 |
| 2014    | Research Financial and Administrative Series Training, Sept 13 <sup>th</sup> , USU, Logan UT                                                  |
| 2014    | The Family Educational Rights and Privacy Act training, Sept 1 <sup>th</sup> , USU, Logan UT                                                  |
| 2013    | Integral Projection Models and IPMpack: EvoDemoS, Odense, Denmark                                                                             |
| 2012-13 | New Faculty Teaching Academy, USU, Logan UT                                                                                                   |
| 2012    | Bayesian Statistics, USU, Logan UT                                                                                                            |
| 2012    | Write winning grant proposals, USU, Logan UT                                                                                                  |
| 2010    | Research Scholars Certification Program, USU, Logan UT                                                                                        |
| 2009    | Second workshop in Biodemography, Stanford CA                                                                                                 |
| 2008    | Workshop in Quantitative Genetics: MPIDR, Rostock, Germany                                                                                    |
| 2007    | Workshop: from uncertain age estimates to age-specific life history schedules, MPIDR, Rostock, Germany                                        |
| 2006    | International Workshop on the Evolutionary Demography of Aging, MPIDR, Rostock, Germany                                                       |

### PROFESSIONAL SERVICES

## Off-Campus

- 2016 **Grant Reviewer for the Hungarian National Research, Development and Innovation Office** (NSF-equivalent in Hungaria)
- 2016-2017 **Associate Editor for Ecology Letters**  
Impact Factor: 10.689  
2014 ISI Journal Citation Reports Ranking: 2/144 (Ecology)  
[http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1461-0248](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1461-0248)
- 2014-2017 **Associate Editor for Journal of Animal Ecology**  
Impact Factor: 4.504  
2014 ISI Journal Citation Reports Ranking: 21/144 (Ecology); 2/153 (Zoology)  
<http://www.journalofanimalecology.org/view/0/editorialBoard.html>
- 2012 **Grant Reviewer for the Netherlands Organization for Scientific Research** (NSF-equivalent in the Netherlands).
- 2010 **Session Chair** Berryman Institute Symposium, 10-12 May 2010, Logan (USA).
- 2010 **Invited Teaching Assistant** Taller de Modelos de Captura y Recaptura, 2010, CIMAT, Mexico.
- 2009-Present  
**I have reviewed >100 manuscripts for the following journals:**  
American Naturalist, Ardea, Biological Conservation, Conservation Biology, Ecology, Ecology Letters, Environmental and Ecological statistics, Global Change Biology, Human Wildlife Interactions, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Ornithology, Marine Ecological Progress Series, Methods in Ecology and Evolution, Oecologia, Plos One, Proceedings of the Royal Society B series, Southeastern Naturalist, The Auk, The Western North American Naturalist, The Wilson Journal of Ornithology, The Herpetological Journal. Reviewer for USGS.

## On Campus

- 2014-Present I advise 24 undergraduate students (majoring in Wildlife Science). My responsibilities include helping them with their plan of study, orienting them towards appropriate academic services, and helping them reach their professional and academic goals.
- 2012-Present I currently serve on 12 graduate student committees.
- 2015 Panelist for the USU Undergraduate Research and Creative Opportunities
- 2014 Panelist for the USU Undergraduate Research and Creative Opportunities
-

## OUTREACH

- Participant in the Climate Change Workshop for Teachers at Utah's Hogle Zoo: “Weather, Water, Wildlands and Community: Teaching Climate Change in Utah” sponsored by NOAA. June 13-16th, Salt Lake City, UT.
  - USU Blanding Native American Mentorship program: Advised Native American students from Blanding Campus in the field and in the lab in an effort to expose them to wildlife sciences and ecology, May 2015
- 

## MEDIA COVERAGE AND POPULATION SCIENCE

- 2015 Coverage of research on the impacts of climate change on hibernators in the Western US in Utah State Today: <http://www.usu.edu/today/index.cfm?id=55210&nl=444>
- 2015 Coverage of research on the impacts of climate change on hibernators in the Western US in High Country News, Lost Cabin Productions (Dakin Henderson)  
<http://www.hcn.org/articles/wild-science-uinta-ground-squirrels-and-climate-change>
- 2014 The Herald journal, USU study to focus on ground squirrels:  
[http://m.news.hjnews.com/allaccess/article\\_52883512-a553-11e3-98aa-001a4bcf887a.html?mode=jqm](http://m.news.hjnews.com/allaccess/article_52883512-a553-11e3-98aa-001a4bcf887a.html?mode=jqm)
- 2013 Videnskab.dk Denmark's national research portal for the general public:  
<http://videnskab.dk/miljo-naturvidenskab/se-billederne-gaes-smadrer-naturomrade>  
(interview on lesser snow goose habitat degradation on consequences on their demography; in Danish)
- 

## PROFESSIONAL AFFILIATIONS

- Ecological Society of America (since 2012)
  - Evolutionary Demography Society (since 2012)
  - British Ecological Society (since 2014)
  - World Seabird Union (since 2010)
- 

## ADDITIONAL INFORMATION

- French: mother tongue; English: fluent; Spanish: basic notions.
- Lived in Cold Lake (Alberta, Canada) 1980-1985; Montreal (Quebec, Canada) 2002-2003; Rostock (Germany) 2005-2008; Montpellier (France) 2013-2014; I currently live in Logan (Utah, USA, since 2008).