



## PROFESSIONAL APPOINTMENTS

- Associate Professor** August 2022 – Present  
West Virginia University, Morgantown, WV
- Assistant Professor** January 2016 – August 2022  
West Virginia University, Morgantown, WV
- Research Associate & Affiliate Graduate Faculty** July 2015 – December 2015  
The University of Missouri, Columbia, MO
- Postdoctoral Fellow** May 2013 – July 2015  
The University of Missouri, Columbia, MO  
*Supervisor:* Joshua Millspaugh

## PEER-REVIEWED PUBLICATIONS

- Tyl, R., **C.T. Rota**, and C. Lehman. 2025. Factors influencing eastern wild turkey population growth in northeastern South Dakota. *Wildlife Society Bulletin* 49(S1): e1636. <https://doi.org/10.1002/wsb.1636>.
- Clipp, H.L., **C.T. Rota**, C. Johnson, and P.B. Wood. 2025. Optimizing management of wildlife openings in forested landscapes for game birds and overall avian diversity. *Wildlife Monographs* 216:e70000. <https://doi.org/10.1002/wmon.70000>
- Clipp, H.L., **C.T. Rota**, S.N. Matthews, M.P. Peters, and P.B. Wood. 2025. Potential resilience of forest birds in the Appalachian Mountains to future climate change during the breeding season. *Landscape Ecology* 40: article number 62. <https://doi.org/10.1007/s10980-025-02068-2>
- Nauyoma, L.O., **C.T. Rota**, F. Lemos, F. Azevedo, F. Sequeira, and E. Fabiano. 2025. Modeling roan and sable patterns of spatial distribution in the Mudumu National Park, Namibia. *Wildlife Society Bulletin* 49: e1573. <https://doi.org/10.1002/wsb.1573>
- Clipp, H.C., **C.T. Rota**, C. Johnson, M. Strager, and P.B. Wood. 2025. Diverging long-term avian responses in actively and minimally harvested landscapes in the Central Appalachians, USA. *Forest Ecology and Management* 578: Article 122450. <https://doi.org/10.1016/j.foreco.2024.122450>
- Morrison, E.E, C.P. Lehman, B.Y. Neiles, and **C.T. Rota**. 2025. Resource selection of den sites for bobcats (*Lynx rufus*) in the Northern Great Plains, USA. *Journal of Mammalogy* 106: 51 – 58. <https://doi.org/10.1093/jmammal/gyae105>

Rooney, B., R. Kays, M.V. Cove, A.J. Jensen, B.R. Goldstein, C. Pate, P. Castiblanco, M.B. Abell, J. Adley, B. Agenbroad, A.A. Ahlers, P.D. Alexander, D. Allen, M.L. Allen, J.M. Alston, M. Alyetama, T.L. Anderson, R.G. Andrade, C. AnhaltDepies, C.L. Appel, L.C. Armendriz, C.R. Ayers, A.B. Baird, C. Bak, G. Bandler, E.E. Barding, E.G. Barr, C. Baruzzi, K. Bashaw, S.A. Beers, J.L. Belant, E. Bell, J.F. Benson, A. Berg, D.L. Bergman, B.C. Bernhardt, M.A. Bethel, T. Bird, A.B. Bishop, D.A. Bogan, L. Brandt, L. Brandt, A.B. Branney, C. Bratton, C. Bresnan, J.M. Brooke, E.K. Buchholtz, F.E. Buderman, A.D. Burnett, E.E. Burns, D. Byrd, S. Cannella, K.A. Carey, W.A. Carlile, K. Carter, B.J. Cassidy, I. Castro-Arellano, S. CendejasZarelli, N. Chatterjee, A.E. Cheeseman, C. Chevalier, M.C. Chitwood, P. Chrysafis, B.A. Collier, D. Collins, J.A. Compton, R.S. Cone, L.M. Conner, B. Cook, O.G. Cosby, S.S. Coster, A.P. Crupi, A.K. Darracq, J.M. Davenport, D. Davis, D.R. Davis, M.L. Davis, R.J. Davis, B.A. DeGregorio, A. Deshwal, K.D. Dougherty, A. Drauglis, C. Durbin, A.J. Edelman, V. Elder, B.M. Eller, E.H. Ellington, S.N. EllisFelege, C.N. Ellison, J. FantleLepczyk, J.J. Farr, Z.J. Farris, S.P. Finnegan, M.C. FisherReid, E.A. Flaherty, G.F. Dri, S.R. Fritts, J. Fuller, T. Gallo, L.S. Ganoë, C.N. Ganong, R. Garibay, B.D. Gerber, F.D. Gerraty, S.T. Giery, S.M. Gilyot, J.L. Glasscock, B. Goldfarb, L.E. Good, G.M. Granados, A.M. Green, J. Grewal, A. Grusenmeyer, J.M. Guthrie, M.T. Hallett, C.P. Hansen, L.P. Hansen, C.L. Hanson, E.J. Harrity, S.C.M. Hasstedt, M. Hebblewhite, D.J. Herrera, A.M. Holland, B.R. Humphreys, H.D. Island, A. Jack, E.P. Johansson, A.M. Johnson, L. Johnson, Y.L. JohnstoneYellin, M.L.S.P. Jorge, W. Kahano, M. Kinsey, B.E. Klossing, T.W. Knowles, M.M. Koeck, J.L. Koprowski, K.M. Kuhn, E.K. Kuprewicz, D.J.R. Lafferty, J.A. LambertsonMoreno, T.A. Land, A.L. Langston, S. LaPoint, E.N. Largent, M.A. Lashley, R.G. Lathrop, T.E. Lee, C.A. Lepczyk, D.B. Lesmeister, C.K. Leung, J.V. Lombardi, R.A. Long, R.C. Lonsinger, I. Lord, S.S. Madere, S.P. Maher, J.A. Mallinoff, A. Martnez, D.S. Mason, H.A. Mathewson, A. Mayer, K.P. McCarthy, S.F. McCracken, B. McDonald, B. McGarry, S.T. McMurry, L.E. McTigue, B.M. Mena, M. Mercer, M.R. Merz, S. Millar, G.D. Miller, J.J. Millspaugh, R.J. Moll, T.W. Mong, J. Monzn, J.C. Moore, A. Mortelliti, K.W. Mote, K. Mullen, A.M. Mychajliw, C. Nagy, S.A. Neiswenter, D.L.J. Neyland, L. Nicholson, M.T. OMara, B.J. O'Neill, E.A. Olson, M. Orgill, G. Palomo-Muoz, S.L. Parsons, L.E. Patrick, J.R. Patterson, D. Pearce, M.E. Pendergast, B.S. Perla, T.R. Petroelje, H. Pliske, M.K.P. Poisson, M.R. Price, M.D. Proctor, N.J. Proudman, J.L. Rachlow, R.A.N. Ramos, M. Reabold, J. Redinger, A. Reed, C.C. RegaBrodsky, E.M. Rehm, K.R. Remine, M.S. Rentz, E. Ridder, D.R. Risch, L.M. Robbins, J.P. Roemer, A. Romero, **C.T. Rota**, C.M. Schalk, B.D. Scholten, C.L. Scott, B.M. Scurlock, M. Sergejev, W.J. Severud, J. Sevin, H. Shamon, C. Sharp, M.W. Shaw, V. SiverlsDunham, A.B. Smith, D.S. Smith, M.H. Snider, D.A. Sossover, A.R. Sovie, J.A. Sparks, J. Speiser, M.T. Springer, J.L. Spurlin, E.A. Steinkamp, J.L. Stenglein, J.S. Kloker, C.M. Stitzman, M.K. Stokes, K.A. Stringer, J. Stutzman, D.S. Sullins, C. Sullivan, N.B. Sullivan, E.P. Tanner, A.M. Tanner, E.B. Thornock, J.H. Titus, J. Tleimat, K. Toomey, L.T. Toussaint, M. Uribe, M.v.d. Merwe, D.J.V Parys, J.P. Vanek, J. Varner, B. Walker, C. Wallace, D. Ward, B.H. Warner, D.L. Warren, J.R. Wasdin, S.L. Webb, K.L. Wehr, N.H. Wehr, E. Weigel, T.J. Werdel, L.S. Whipple, C.A. Whittier, C. Wiersema, A. Wilson, M.E. Wilson, A.J. Wolf, J.P. Wolford, D.W. Wolfson, D.J. Woolsey, M.A. Wuensch, G. Xu, K.L. Yurewicz, V. Zanchó, M. Zmov, A Zorn, W.J. McShea. 2025.

SNAPSHOT USA 2019 – 2023: The First Five Years of Data From a Coordinated Camera Trap Survey of the United States. *Global Ecology and Biogeography* 34: e13941. <https://doi.org/10.1111/geb.13941>.

Roche, D.P., S.H. Stoleson, **C.T. Rota**, W.K. Oldland, and C.M. Lituma. 2024. Host plant species affect the abundance of spotted wing *Drosophila* and fruit parasitism across the Allegheny National Forest differentially at variable spatial scales. *Forest Ecology and Management* 568: Article 122131. <https://doi.org/10.1016/j.foreco.2024.122131>

Kays, R., M.H. Snider, G. Hess, M.V. Cove, A. Jensen, H. Shamon, W.J. McShea, B. Rooney, M.L. Allen, C.E. Pekins, C.C. Wilmers, M.E. Pendergast, A.M. Green, J. Suraci, M.S. Leslie, S. Nasrallah, D. Farkas, M. Jordan, M. Grigione, M.C. LaScaleia, M.L. Davis, C. Hansen, J. Millspaugh, J.S. Lewis, M. Havrda, R. Long, K.R. Remine, K.J. Jaspers, D.J.R. Lafferty, T. Hubbard, C.E. Studds, E.L. Barthelmess, K. Andy, A. Romero, B.J. O'Neill, M.T.R. Hawkins, J.V. Lombardi, M. Sergeev, M.C. Fisher-Reid, M.S. Rentz, C. Nagy, J.M. Davenport, C.C. Rega-Brodsky, C.L. Appel, D.B. Lesmeister, S.T. Giery, C.A. Whittier, J.M. Alston, C. Sutherland, **C. Rota**, T. Murphy, T.E. Lee, A. Mortelliti, D.L. Bergman, J.A. Compton, B.D. Gerber, J. Burr, K. Rezendes, B.A. DeGregorio, N.H. Wehr, J.F. Benson, M.T. O'Mara, D.S. Jachowski, M. Gray, D.E. Beyer, J.L. Belant, R.V. Horan, R.C. Lonsinger, K.M. Kuhn, S.C.M. Hasstedt, M. Zimova, S.M. Moore, D.J. Herrera, S. Fritts, A.J. Edelman, E.A. Flaherty, T.R. Petroelje, S.A. Neiswenter, D.R. Risch, F. Iannarilli, M. van der Merwe, S.P. Maher, Z.J. Farris, S.L. Webb, D.S. Mason, M.A. Lashley, A.M. Wilson, J.P. Vanek, S.R. Wehr, L.M. Conner, J.C. Beasley, H.L. Bontrager, C. Baruzzi, S.N. Ellis-Felege, M.D. Proctor, J. Schipper, K.C.B. Weiss, A.K. Darracq, E.G. Barr, P.D. Alexander, Ç.H. Şekercioglu, D.A. Bogan, C.M. Schalk, J.E. Fantle-Lepczyk, C.A. Lepczyk, S. LaPoint, L.S. Whipple, H.I Rowe, K. Mullen, T. Bird, A. Zorn, L. Brandt, R.G. Lathrop, C. McCain, A.P. Crupi, J. Clark and A. Parsons. 2024. Climate, food and humans predict communities of mammals in the United States. *Diversity and Distributions* 30:313900. <https://doi.org/10.1111/ddi.13900>

Skelly, B.P., **C.T. Rota**, J.L. Kolar, B.A. Stillings, J.W. Edwards, M.A. Foster, R.M. Williamson, and J.J. Millspaugh. 2024. Mule deer mortality in the northern great plains in a landscape impacted by oil and natural gas extraction. *Journal of Wildlife Management* 88:e22619. <http://dx.doi.org/10.1002/jwmg.22619>

Miller, M.L., **C.T. Rota**, and A. Welsh. 2024. Transforming gastrointestinal helminth parasite identification in vertebrate hosts with metabarcoding: a systematic review. 2024. *Parasites & Vectors* 17: Article number 211. <https://doi.org/10.1186/s13071-024-06388-1>

Price, L. E., B. P. Skelly, E. E. Morrison, C. P. Carpenter, C. W. Ryan, and **C. T. Rota**. 2024. Female black bear home range and resource selection in relation to West Virginia mine lands. *Wildlife Society Bulletin* 48:e1522. DOI:10.1002/wsb.1522

Shamon, H., R. Maor, M.C. Cove, R. Kays, J. Adley, P.D. Alexander, D.N. Allen, M.L. Allen, C.L. Appel, E. Barr, E.L. Barthelmess, C. Baruzzi, K. Bashaw, G. Bastille-Rousseau, M.E. Baugh, J. Belant, J.F. Benson, B.A. Bespoyasny, T. Bird, D.A. Bogan, L.S.E. Brandt, C.E. Bresnan, J.M. Brooke, F.E. Buderman, S.G. Buzzell, A.E. Cheeseman, M.C. Chitwood, P. Chrysafis, M.K. Collins, D.P. Collins, J.A. Compton, L.M. Conner, O.G. Cosby, S.S. Coster, B. Crawford, A.P. Crupi, A.K. Darracq, M.L. Davis, B.A. DeGregorio, K.L. Denningmann, K.D. Dougherty, A. Driver, A.J. Edelman, E.H. Ellington, S.N. Ellis-Felege, C.N. Ellison, J.E. Fantle-Lepczyk, Z.J. Farris, J. Favreau, P. Fernandez, M.C. Fisher-Reid, M.C. Fitzpatrick, E.A. Flaherty, T.D. Forrester, S.R. Fritts, T. Gallo, B.D. Gerber, S.T. Giery, A.D. Gonatas, A.C. Grady, A.M. Green, T. Gregory1, N. Griffin, R.H. Hagen, C.P. Hansen, L.P. Hansen, S.C. Hasstedt, H. Hernández-Yáñez, D.J. Herrera, R.V. Horan III, V.L. Jackson, L. Johnson, M.J. Jordan, W. Kahano, J. Kiser, T.W. Knowles, M.M. Koeck, C. Koroly, K.M. Kuhn, E.K. Kuprewicz, D.J.R. Lafferty, S.D. LaPoint, M. Lashley, R.G. Lathrop, T.E. Lee, Jr., C.A. Lepczyk, D.B. Lesmeister, J.V. Lombardi, R.A. Long, R.C. Lonsinger, P. MacKay, S.P. Maher, D.S. Mason, J.J. Millspaugh, R.J. Moll, J.B. Moon, A. Mortelliti, A.M. Mychajliw, C.M. Nagy, S.A. Neiswenter, D.L. Nelson, C.E. Nemes, C.K. Nielsen, E. Olson, M.T. O'Mara, B.J. O'Neill, B.R. Page, E. Parsons, B.S. Pease, M.E. Pendergast, M. Proctor, H. Quick, C.C. Rega-Brodsy, M.S. Rentz, K. Rezendes, D. Rich, D.R. Risch, A. Romero, B.R. Rooney, **C.T. Rota**, C.A. Samples, C.H. Sekercioglu, M. Sergeyev, A.B. Smith, D.S. Smith, J.H. Sperry, J.L. Stenglein, M.K. Stokes, J.S. Stutzman, K.R. Todd, J.P. Vanek, W. Varga, Z.M. Wardle, S.L. Webb, N.H. Wehr, L.S. Whipple, C.A. Whittier, J.S. Widness, J. Williamson, A.M. Wilson, A.J. Wolf, M. Zimova, A.S. Zorn, W.J. McShea. 2024. SNAPSHOT USA 2021: A third coordinated national camera trap survey of the United States. *Ecology* 105:e4318. <https://doi.org/10.1002/ecy.4318>

Chen, C., A. Granados, J.F. Brodie, R. Kays, T.J. Davies, R. Liu, J.T. Fisher, J. Ahumada, W. McShea, D. Sheil, J. Mohd-Azlan, B. Agwanda, M.H. Andrianarisoa, R.D. Appleton, R. Bitariho, S. Espinosa, M.M. Grigione, K.M. Helgen, A. Hubbard, C.M. Hurtado, P.A. Jansen, X. Jiang, A. Jones, E.L. Kalies, C. Kiebou-Opepa, X. Li, M.G.M. Lima, E. Meyer, A.B. Miller, T. Murphy, R. Piana, R.C. Quan, **C.T. Rota**, F. Rovero, F. Santos, S. Schuttler, A. Uduman, J.K. van Bommel, H. Young, and A.C. Burton. 2024. Combining camera trap surveys and IUCN range maps to improve knowledge of species distributions. *Conservation Biology* 38:e14221. <https://doi.org/10.1111/cobi.14221>

Lehman, C.P., E.E. Morrison, B.Y. Neiles, and **C.T. Rota**. 2024. Factors influencing growth in a bobcat population. *Journal of Wildlife Management* 88:e22561. <https://doi.org/10.1002/jwmg.22561>

Keplinger, B., and **C. T. Rota**. 2024. Effects of poor recruitment on riverine smallmouth bass population dynamics. *North American Journal of Fisheries Management* 44:247–261. <https://doi.org/10.1002/nafm.10994>

- Noe, K.L., **C.T. Rota**, M.W. Frantz, and J.T. Anderson. 2024. Restored wetland size and age influence small mammal communities in West Virginia, USA. *Wetlands* 44:48. <https://doi.org/10.1007/s13157-024-01799-3>
- Augustine, S.H., M.T. Strager, and **C.T. Rota**. 2024. Appalachians to the Andes: Potential population connectivity and loop migration of Canada Warblers (*Cardellina canadensis*) revealed by light-level geolocators. *Wilson Journal of Ornithology* 136:77–88. <https://doi.org/10.1676/23-00039>
- Clipp, H.L., S.M. Pesi, M.L. Miller, L.C. Gigliotti, B.P. Skelly, and **C.T. Rota**. 2024. White-tailed deer detection rates increase when coyotes are present. *Ecology and Evolution* 14:e11149. <https://doi.org/10.1002/ece3.11149>
- Burton, A.C., C. Beirne, K.M. Gaynor, C. Sun, A. Granados, M.L. Allen, J.M. Alston, G.C. Alvarenga, F.S.Á. Calderón, Z. Amir, C. Anhalt-Depies, C. Appel, S. Arroyo-Arce, G. Balme, A. Bar-Massada, D. Barcelos, E. Barr, E.L. Barthelmess, C. Baruzzi, S.M. Basak, N. Beenaerts, J. Belmaker, O. Belova, B. Bezarević, T. Bird, D.A. Bogan, N. Bogdanović, A. Boyce, M. Boyce, L. Brandt, J.F. Brodie, J. Brooke, J.W. Bubnicki, F. Cagnacci, B.S. Carr, J. Carvalho, J. Casaer, R. Černe, R. Chen, E. Chow, M. Churski, C. Cincotta, D. Ćirović, T.D. Coates, J. Compton, C. Coon, M.V. Cove, A.P. Crupi, S.D. Farra, A.K. Darracq, M. Davis, K. Dawe, V. De Waele, E. Descalzo, T.A. Diserens, J. Drimaj, M. Dula, S. Ellis-Felege, C. Ellison, A. Ertürk, J. Fantle-Lepczyk, J. Favreau, M. Fennell, P. Ferreras, F. Ferretti, C. Fiderer, L. Finnegan, J.T. Fisher, M.C. Fisher-Reid, E.A. Flaherty, U. Fležar, J. Flousek, J.M. Foca, A. Ford, B. Franzetti, S. Frey, S. Fritts, Š. Frýbová, B. Furnas, B. Gerber, H.M. Geyle, D.G. Giménez, A.J. Giordano, T. Gomercic, M.E. Gompper, D.M. Gräbin, M. Gray, A. Green, R. Hagen, R. Hagen, S. Hammerich, C. Hanekom, C. Hansen, S. Hasstedt, M. Hebblewhite, M. Heurich, T.R. Hofmeister, T. Hubbard, D. Jachowski, P.A. Jansen, K.J. Jaspers, A. Jensen, M. Jordan, M.C. Kaizer, M.J. Kelly, M.T. Kohl, S. Kramer-Schadt, M. Krofel, A. Krug, K.M. Kuhn, D.P.J. Kuijper, E.K. Kuprewicz, J. Kusak, M. Kutal, D.J.R. Lafferty, S. LaRose, M. Lashley, R. Lathrop, T.E. Lee Jr, C. Lepczyk, D.B. Lesmeister, A. Licoppe, M. Linnell, J. Loch, R. Long, R.C. Lonsinger, J. Louvrier, M.S. Luskin, P. MacKay, S. Maher, B. Manet, G.K.H. Mann, A.J. Marshall, D. Mason, Z. McDonald, T. McKay, W.J. McShea, M. Mechler, C. Miaud, J.J. Millspaugh, C.M. Monteza-Moreno, D. Moreira-Arce, K. Mullen, C. Nagy, R. Naidoo, I. Namir, C. Nelson, B. O'Neill, M.T. O'Mara, V. Oberosler, C. Osorio, F. Ossi, P. Palencia, K. Pearson, L. Pedrotti, C.E. Pekins, M. Pendergast, F.F. Pinho, R. Plhal, X. Pocasangre-Orellana, M. Price, M. Procko, M.D. Proctor, E.E. Ramalho, N. Ranc, S. Reljic, K. Remine, M. Rentz, R. Revord, R. Reyna-Hurtado, D. Risch, E.G. Ritchie, A. Romero, **C. Rota**, F. Rovero, H. Rowe, C. Rutz, M. Salvatori, D. Sandow, C.M. Schalk, J. Scherger, J. Schipper, D.G. Scognamillo, Ç.H. Şekercioglu, P. Semenzato, J. Sevin, H. Shamon, C. Shier, E.A. Silva-Rodríguez, M. Sindicic, L.K. Smyth, A. Soyumert, T. Sprague, C.C. St. Clair, J. Stenglein, P.A. Stephens, K.M. Stepniak, M. Stevens, C. Stevenson, B. Ternyik, I. Thomson, R.T. Torres, J. Tremblay, T. Urrutia, J.P. Vacher, D. Visscher, S.L. Webb, J. Weber, K.C.B. Weiss, L.S. Whipple, C.A. Whittier, J. Whittington, I. Wierzbowska, M. Wikelski, J. Williamson, C.C. Wilmers,

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- Bryzek, J.A., W. Veselka IV, **C.T. Rota**, and J.T. Anderson. 2023. Woody vegetation indicators vary with time since wetland restoration. *Wetlands* 43:89. <https://doi.org/10.1007/s13157-023-01735-x>
- Caylor, P.A., S.H. Augustine, and **C.T. Rota**. 2023. No effect of geolocators on apparent return rates of a declining Neotropical migrant, the Canada Warbler (*Cardellina canadensis*). *Journal of Field Ornithology* 95:5. <https://doi.org/10.5751/JF0-00276-940305>
- Tyl, R.M., **C.T. Rota**, and C.P. Lehman. 2023. Factors influencing survival of female eastern wild turkeys in northeastern South Dakota. *Wildlife Society Bulletin* 47:e1429. <https://doi.org/10.1002/wsb.1429>
- Skelly, B.P., H.L. Clipp, S.M. Landry, R. Rogers, Q. Phelps, J.T. Anderson, and **C.T. Rota**. 2023. A flexible Bayesian approach for estimating survival probabilities from age-at-harvest data. *Methods in Ecology and Evolution* 14:1061–1073. <https://doi.org/10.1111/2041-210X.14077>
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## BOOK CHAPTERS

- Rota, C.T.**, J.J. Millspaugh, R.A. Gitzen, R.A. Montgomery, T.W. Bonnot, J.L. Belant, C.R. Ayers, D.C. Kesler, D.A. Eads, and C.M. Bodinof Jachowski. 2020. Chapter 14 exercises: Analysis of resource selection by animals. *In* D. Murray and B.K. Sandercock, editors. *Population Ecology in Practice*. Wiley Blackwell, Hoboken, NJ, USA. <[https://media.wiley.com/product\\_ancillary/48/04706741/DOWNLOAD/Chapter 14.zip](https://media.wiley.com/product_ancillary/48/04706741/DOWNLOAD/Chapter%2014.zip)> Accessed March 30, 2020.
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## EXTERNAL GRANTS & CONTRACTS

- US Fish & Wildlife Service** 2025 – 2026  
*Title:* Ohio River Invasive Carp Monitoring: reproductive success, occupancy models to optimize effort, and CSS analysis of hydroacoustic data  
*Role:* Co-Principle Investigator  
*Amount:* \$130,047
- National Park Service** 2024 – 2026  
*Title:* Developing a Regional Deer Monitoring Protocol for the National Park Service  
*Role:* Principle Investigator  
*Amount:* \$250,000
- US Fish & Wildlife Service** 2024 – 2025  
*Title:* Ohio River Invasive Carp Monitoring: reproductive success above the Markland Dam and CSS approach to establishing harvest targets  
*Role:* Co-Principle Investigator  
*Amount:* \$104,222

- USGS Climate Adaptation Science Center** 2023 – 2026  
*Title:* Projecting the Distribution of Aquatic Species of Greatest Conservation Need throughout the mid-Atlantic region  
*Role:* Co-Principle Investigator  
*Amount:* \$329,139
- West Virginia Division of Natural Resources** 2023 – 2028  
*Title:* Snowshoe Hare (*Lepus americanus*) and Appalachian Cottontail (*Sylvilagus obscurus*) Population Status and Risk Assessment to Rabbit Hemorrhagic Disease Virus Serotype 2 (RHDV2).  
*Role:* Principle Investigator  
*Amount:* \$237,083
- US Fish & Wildlife Service** 2023  
*Title:* Analysis of Ohio River Islands National Wildlife Refuge Point Count Data  
*Role:* Principle Investigator  
*Amount:* \$2,401
- West Virginia Division of Natural Resources** 2022 – 2025  
*Title:* Statistical Analysis – Wildlife Resources.  
*Role:* Principle Investigator  
*Amount:* \$18,057
- National Wild Turkey Federation** 2022 – 2025  
*Title:* Vital Rates and Population Growth of Merriam’s Turkeys in South-Central South Dakota.  
*Role:* Principle Investigator  
*Amount:* \$62,215
- West Virginia Division of Natural Resources** 2021 – 2026  
*Title:* Statistical Analysis – Fisheries.  
*Role:* Principle Investigator  
*Amount:* \$10,000
- West Virginia Division of Natural Resources** 2020 – 2024  
*Title:* Survival, Cause-specific Mortality, Resource Selection, and Movement of White-tailed Deer (*Odocoileus virginianus*) in West Virginia.  
*Role:* Principle Investigator  
*Amount:* \$129,162
- Panthera** 2020 – 2021  
*Title:* Survival, Reproductive Rates, and Den Site Selection of Bobcats (*Lynx rufus*) in the Black Hills, South Dakota.  
*Role:* Principle Investigator  
*Amount:* \$8,000

- West Virginia Division of Natural Resources** 2020 – 2022  
*Title:* West Virginia Division of Natural Resources Statistical Analysis.  
*Role:* Principle Investigator  
*Amount:* \$15,289
- American Wildlife Conservation Foundation** 2019 – 2022  
*Title:* Quantifying the Effects of Local Habitat Factors, Patch Size, Management Activities, and Landscape Context to Optimize Wildlife Openings for Game Bird Occupancy and Overall Avian Diversity  
*Role:* Principle Investigator  
*Amount:* \$1,992
- South Dakota Department of Game, Fish and Parks** 2019 – 2023  
*Title:* Reproductive Rates, Kitten Survival, and Den Site Selection of Bobcats in the Black Hills, South Dakota  
*Role:* Principle Investigator  
*Amount:* \$172,418
- Nuttall Ornithological Club** 2019 – 2021  
*Title:* Spatial Demography of Canada Warblers in the Central Appalachians  
*Role:* Principle Investigator  
*Amount:* \$8,157
- University of Missouri and Missouri Department of Conservation** 2017 – 2019  
*Title:* White-tailed Deer Survival, Recruitment, and Movement Patterns in Missouri.  
*Role:* Principle Investigator  
*Amount:* \$49,216
- University of Missouri and Mule Deer Foundation** 2017  
*Title:* Effects of Oil and Gas Development on Mule Deer in North Dakota  
*Role:* Principle Investigator  
*Amount:* \$9,689
- West Virginia Division of Natural Resources** 2016 – 2019  
*Title:* West Virginia Division of Natural Resources Statistical Analysis  
*Role:* Statistical Analysis Contractor  
*Amount:* \$33,000
- South Dakota Department of Game, Fish and Parks** 2016 – 2019  
*Title:* Survival and Reproduction of Eastern Wild Turkeys in Northeastern South Dakota  
*Role:* Principle Investigator  
*Amount:* \$154,376

- Natural Resources Conservation Service** 2016 – 2019  
*Title:* Evaluating Wetland Functions and Ecosystem Services in West Virginia Wetlands  
*Role:* Co-Principle Investigator  
*Amount:* \$127,830
- National Wild Turkey Federation** 2016 – 2017  
*Title:* Survival and Reproduction of Eastern Wild Turkeys in Northeastern South Dakota  
*Role:* Principle Investigator  
*Amount:* \$16,000
- Missouri Department of Conservation** 2015  
*Title:* Population Demographics of a Restored Elk Population  
*Role:* Co-Principle Investigator  
*Amount:* \$1,500,000
- Bureau of Land Management, North Dakota Game & Fish,  
Oil & Gas Research Program in North Dakota, and  
Mule Deer Foundation** 2012  
*Title:* Effects of Oil and Gas Development on Mule Deer Populations in Western  
North Dakota  
*Role:* Co-Principle Investigator  
*Amount:* \$750,000
- South Dakota Game, Fish, & Parks Wildlife Diversity Small Grants  
Program** 2012  
*Title:* The importance of prescribed fire in creating habitat for Black-backed Woodpeckers  
in the Black Hills, South Dakota  
*Role:* Principle Investigator  
*Amount:* \$5,000

## AWARDS

- The Wildlife Society** 2025  
*Title:* W.L. McAtee & G.V. Burger Award for Outstanding Service as an Associate Editor
- West Virginia University Davis College of Natural Resources and the Environ-  
ment** 2024  
*Title:* Researcher of the year
- West Virginia University School of Natural Resources and the Environment** 2024  
*Title:* Researcher of the year
- West Virginia University Division of Forestry and Natural Resources** 2022  
*Title:* Researcher of the year

- West Virginia University Faculty Travel / Development Award** 2022  
*Title:* Travel to International Statistical Ecology Conference in Cape Town, South Africa  
*Amount:* \$900
- West Virginia University Division of Forestry and Natural Resources** 2020  
*Title:* Researcher of the year
- West Virginia University, Anderson Faculty Enrichment Fund** 2020  
*Title:* Travel to The Wildlife Society 27th Annual Conference, Louisville, KY  
*Amount:* \$2,500
- West Virginia University Libraries** 2016 – 2022  
*Title:* Open access author fund  
*Amount:* \$3,845
- West Virginia University Research and Scholarship Advancement Grant** 2018  
*Title:* Spatial Demography of Canada Warblers in the Central Appalachians  
*Amount:* \$15,000
- West Virginia University Faculty Travel / Development Award** 2018  
*Title:* Travel to International Statistical Ecology Conference in St. Andrews, Scotland  
*Amount:* \$900
- Dr. David E. Samuel Faculty Excellence Award** 2017  
*Title:* Conference Travel for 12th International Mammalogical Congress in Perth, Australia  
*Amount:* \$3,000

## POSTDOCTORAL AND GRADUATE SUPERVISION

### Postdoctoral Researchers, Current

- *Dr. Leah Bayer* (co-supervised with Dr. Brent Murry). Project: Ohio River Invasive Carp Monitoring: reproductive success above the Markland Dam and CSS approach to establishing harvest targets
- *Dr. Alexandra Lawrence* (co-supervised with Drs. Carol Arantes, Patricia Mazik, and Brent Murry). Project: Projecting the Distribution of Aquatic Species of Greatest Conservation Need throughout the mid-Atlantic region
- *Dr. Amanda Van Buskirk* (co-supervised with Dr. Laura Gigliotti). Project: Developing a Regional Deer Monitoring Protocol for the National Park Service

### Postdoctoral Researchers, Previous

- *Dr. Kenneth Kellner*. Project: Effects of forest management on vertebrate communities: Synthesizing two decades of data.

### PhD Students, Current

- *Halil Dertli* (co-advised with Drs. Carol Arantes and Brent Murry). Dissertation: Projecting the Distribution of Aquatic Species of Greatest Conservation Need throughout the mid-Atlantic region
- *Madison Miller* (co-advised with Dr. Amy Welsh). Dissertation: Snowshoe Hare (*Lepus americanus*) and Appalachian Cottontail (*Sylvilagus obscurus*) Population Status and Risk Assessment to Rabbit Hemorrhagic Disease Virus Serotype 2 (RHDV2).
- *Brett Skelly*. Dissertation: Survival, Cause-specific Mortality, Habitat Selection, Movement Rates, and Population Dynamics of White-tailed Deer (*Odocoileus virginianus*) in West Virginia.

### PhD Students, Graduated

- *Hannah Clipp* (co-advised with Dr. Petra Wood). Dissertation: Effects of climate change and landscape-scale forest management on songbird communities, abundance, and nest success in the Appalachian Mountains.

### MS Students, Graduated

- *Stephanie Augustine*. Thesis: Population and Migratory Ecology of Canada Warblers (*Cardellina canadensis*) in the Central Appalachian Mountains, West Virginia, USA.
- *Gordon Dimmig*. Thesis: Avian Occupancy Dynamics and Canada Warbler (*Cardellina canadensis*) Environmental Correlates on a Central Appalachian Elevation Gradient in West Virginia.
- *Katharine Lewis* (co-advised with Dr. James Anderson). Thesis: Wetland Characteristics and Wintering Passerellidae Occupancy on Agricultural Conservation Easement Program Wetlands in West Virginia.
- *Luke McCray*. Thesis: Vital Rates and Nest Site Selection of Merriam's Wild Turkeys (*Meleagris gallopavo merriami*) in south-central South Dakota.
- *Erin Morrison*. Thesis: Demography and Resource Selection of Bobcats (*Lynx rufus*) in the Black Hills, South Dakota.
- *Sarah Pesi*. Thesis: Estimating Home Range Size and Density of White-tailed Deer (*Odocoileus virginianus*) in West Virginia.
- *Brett Skelly*. Thesis: Potential Effects of Oil and Natural Gas Development on Mule Deer (*Odocoileus hemionus*) Survival and Fawn Rearing Resource Selection.
- *Reina Tyl*. Thesis: Factors Influencing Survival, Productivity, and Population Growth of Eastern Wild Turkeys in Northeastern South Dakota.

### Committee Service

- *Kirsten Belcher*, MS Student, complete (Dr. John Edwards, advisor)
- *Jessica Bryzek*, MS Student, graduated (Dr. James Anderson, advisor)
- *Brianna Casement*, PhD Student (Dr. Laura Gigliotti, advisor)
- *Ava Craven*, MS Student, (Dr. Christopher Lituma, advisor)

- *Sindupa DeSilva*, PhD Student (Dr. James Anderson, advisor)
- *Amber Evans*, MS Student, complete (Dr. John Edwards, advisor)
- *Laurel Glover*, MS Student, graduated (Dr. Laura Gigliotti, advisor)
- *Laura Graham*, MS Student, complete (Dr. Christopher Lituma, advisor)
- *Sam Grinstead*, MS Student, graduated (Dr. Caroline Arantes, advisor)
- *Julian Grudens*, PhD Student (Dr. Christopher Lituma, advisor)
- *Sneha Haridas*, PhD Student (Dr. Elizabeth Rowan, advisor)
- *Josiah Jensen*, MS Student, graduated (Dr. Patricia Mazik, advisor)
- *Joseph Kingsbury*, PhD Student (Dr. Kyle Hartman, advisor)
- *Matthew Klein*, MS Student (Dr. Eric Hileman, advisor)
- *Eric Margenau*, PhD Student, graduated (Dr. Petra Wood, advisor)
- *Krista Noe*, MS Student, graduated (Dr. James Anderson, advisor)
- *Kirsten Palumbo*, MS Student (Dr. Laura Gigliotti, advisor)
- *Lucas Price*, PhD Student, graduated (Dr. John Edwards, advisor)
- *Daniel Roche*, MS Student, graduated (Dr. Christopher Lituma, advisor)
- *Robert Ryan*, PhD Student, complete (Dr. Christopher Lituma, advisor)
- *Dare Scott*, MS Student, (Dr. Eric Hileman, advisor)
- *Erin Shepta*, PhD Student (Dr. Brent Murry, advisor)
- *Sara Yanuzzi*, MS Student, graduated (Dr. James Anderson, advisor)

## TEACHING

### Instructor

- |  |  |
|--|--|
| • International Conservation (WMAN 207)<br>West Virginia University, Morgantown, WV                            | Spring, 2024<br>3 Credits                  |
| • Advanced Wildlife and Fisheries Management (WMAN 450)<br>West Virginia University, Morgantown, WV            | Spring Semesters, 2024 – 2025<br>4 Credits |
| • Introduction to Quantitative Ecology (WMAN 411)<br>West Virginia University, Morgantown, WV                  | Fall Semesters, 2022 – 2024<br>3 Credits   |
| • Wildlife and Fisheries Techniques (WMAN 300, 50% responsibility)<br>West Virginia University, Morgantown, WV | Fall Semesters, 2020 – 2022<br>4 Credits   |
| • Wildlife and Fisheries Techniques (WMAN 300)<br>West Virginia University, Morgantown, WV                     | Fall Semesters, 2016 – 2019<br>4 Credits   |

- Advanced Wildlife and Fisheries Management (WMAN 450, 50% responsibility) Spring Semesters, 2021 – Present  
West Virginia University, Morgantown, WV 4 Credits
- Advanced Wildlife and Fisheries Management (WMAN 450, 66% responsibility) Spring Semesters, 2017 – 2020  
West Virginia University, Morgantown, WV 4 Credits
- Advanced Wildlife and Fisheries Management (WMAN 450, 33% responsibility) Spring 2016  
West Virginia University, Morgantown, WV 4 Credits
- Quantitative Ecology (WMAN 633) Spring, odd years, 2017 – Present  
West Virginia University, Morgantown, WV 3 Credits
- Readings in Quantitative Ecology (WMAN 693) Spring Semesters, 2019 – 2021  
West Virginia University, Morgantown, WV 1 Credit
- Introduction to Graduate Computing (WMAN 693) Fall Semesters, 2018 – 2020  
West Virginia University, Morgantown, WV 1 Credit
- Independent Study (WMAN 495 & 695) Misc. Semesters, 2019 – 2023  
West Virginia University, Morgantown, WV 1 Credit
- Population Dynamics and Management (FW 4500/7500) Spring 2014  
The University of Missouri, Columbia, MO 3 Credits

### Workshops

- Multi-species Occupancy Modeling June 2024  
Alaska Chapter of the American Statistical Association
- Multi-species Occupancy Modeling November 2021  
The Wildlife Society 28<sup>th</sup> Annual Conference, Virtual Meeting
- Multi-species Occupancy Modeling September 2020  
The Wildlife Society 27<sup>th</sup> Annual Conference, Virtual Meeting
- Multi-species Occupancy Modeling October 2018  
The Wildlife Society 25<sup>th</sup> Annual Conference, Cleveland, OH

### Guest Lecturer

- Introduction to Bayesian Modeling (WILD 7970) Spring 2015  
Auburn University, Auburn, AL

### Teaching Assistant

- Population Dynamics and Management (FW 4500/7500) Spring 2012  
The University of Missouri, Columbia, MO
- Ornithology Lab (BIOL 2600) Spring 2011  
The University of Missouri, Columbia, MO
- Wildlife of Florida Lab (WIS 3402L) Spring 2009  
The University of Florida, Gainesville, FL

- Wildlife Techniques (WIS 4645C)  
The University of Florida, Gainesville, FL

Spring 2009

### Student Tutor

- Algebra and Pre-calculus  
The University of Montana, Missoula, MT

2005-2006

## INVITED PRESENTATIONS AND SEMINARS

† indicates presenting author if somebody other than C.T. Rota

**Rota, C.T.**. 2024. Where's Wildlife: Insights from Development and Application of Occupancy Models in Wildlife Ecology. Tarleton State University, Tarleton, Texas, USA.

**Rota, C.T.**, R.A. Erickson, and M.J. Weber. 2022. Introduction to Occupancy Models. MICRA Invasive Carp Inter-basin Coordination Meeting. Tiptonville, Tennessee, USA.

**Rota, C.T.**. 2022. Multi-species (Species Interactions) Occupancy Modeling. Ecological Forecasting Initiative, Statistical Methods Seminar Series (virtual).

**Rota, C.T.**, P.B. Wood, and G. Dimmig. 2018. Avian dynamics along an elevation gradient in the central Appalachians. Association of Field Ornithologists and Wilson Ornithological Society Joint Meeting, June 7 – 9, Chattanooga, TN.

**Rota, C.T.** 2017. Data analysis: occupancy and co-occurrence in program R. Workshop: The Design, Logistics and Data Use of Large Camera-Trapping Projects. 12<sup>th</sup> International Mammalogical Congress, Perth, WA, Australia.

**Rota, C.T.** 2016. Recent advances in modeling spatial and interspecific dependence with detection / non-detection data. Department of Environmental and Forest Biology Adaptive Peaks Seminar Series. State University of New York College of Environmental Science and Forestry, Syracuse, NY.

**Rota, C.T.** 2016. Recent Advances In Modeling Interspecific Interactions With Detection / Non-detection Data. Symposium: Studying species interactions from camera-trap data - analyzing the space time continuum. The Wildlife Society 23<sup>rd</sup> Annual Conference, Raleigh, NC.

**Rota, C.T.**, J.H. Schulz<sup>†</sup>, J.J. Millsbaugh, R.A. Reitz, K.D. Richkus, B. Harvey, S.L. Oldenburger, M.J. Rabe. 2016. National and state-scale attitudes and opinions of mourning dove hunters about lead (Pb) poisoning. Copper Round Table Working Group. Big Lake, MN.

- Rumble, M.<sup>†</sup>, J. Millsbaugh, S. Mohren, K. Vierling, T. Bonnot, J. Pierson, M. Schwartz, **C. Rota**, and E. Matsuer. 2015. Status of knowledge: Black-backed woodpeckers in the Black Hills. National Forest Advisory Board. Rapid City, SD.
- Rota, C.T.** 2015. The context of forest disturbance matters: differential response of Black-backed Woodpeckers to fire and mountain pine beetle infestations in the Black Hills, South Dakota. School of Forestry and Wildlife Sciences Seminar Series. Auburn University, Auburn, AL.
- Rota, C.T.** 2014. Generalizing occupancy models to account for space and interacting species. Forestry / Fisheries and Wildlife Joint Seminar Series. The University of Missouri, Columbia, MO.
- Rota, C.T.**, J.J. Millsbaugh, M.A. Rumble, C.P. Lehman, and D.C. Kesler. 2014. Not all habitats are disturbed equally: Black-backed Woodpecker population dynamics in burned forests and mountain pine beetle infestations. Large Wildland Fires: Social, Political & Ecological Effects. The University of Montana, Missoula, MT.
- Rota, C.T.**, and J.J. Millsbaugh. 2014. Tutorial: Resource selection functions. Symposium on Animal Movements and the Environment. North Carolina Museum of Natural Sciences, Raleigh, NC.
- Rota, C.T.**, D.C. Kesler, M.A. Rumble, C.P. Lehman, and J.J. Millsbaugh. 2012. Black-backed woodpecker home range size and resource selection in habitat created by mountain pine beetle infestations in the Black Hills of South Dakota. Vertebrate Response to Bark Beetles. The University of Wyoming, Laramie, WY.

## CONTRIBUTED ORAL PRESENTATIONS

\* indicates student

† indicates presenting author if somebody other than C.T. Rota

- Miller, M. \*†, A.B. Welsh, M. Frantz, S. Owen, and **C.T. Rota**. 2025. Domestic lagomorph cases and developed land cover are associated with higher RHDV2 case counts in wild lagomorphs in the western United States. The Wildlife Society 32<sup>nd</sup> Annual Conference. Edmonton, Alberta, Canada.
- Van Buskirk, A. †, **C.T. Rota**, L. Gigliotti, Z. Ladin, M. Bourg, and B. Mitchell. 2025. Estimating deer density on National Park Service lands using passive game cameras and spatial count models. The Wildlife Society 32<sup>nd</sup> Annual Conference. Edmonton, Alberta, Canada.

- Lawrence, A.<sup>†</sup>, B. Murry, C. Arantes, P.M. Mazik, and **C.T. Rota**. 2025. Projecting the distribution of aquatic species of greatest conservation need in the mid-Atlantic United States. Northeast Association of Fish and Wildlife Agencies Annual Meeting. Bretton Woods, New Hampshire, USA.
- Lawrence, A.<sup>†</sup>, B. Murry, C. Arantes, P.M. Mazik, and **C.T. Rota**. 2025. Projecting the distribution of aquatic species of greatest conservation need in the mid-Atlantic Region. OH-PA-WV Chapters of the American Fisheries Society Joint Meeting 2025. Wheeling, West Virginia, USA.
- Bayer, L.<sup>†</sup>, J. Herod, B. Murry, M. Weihe, and **C.T. Rota**. 2025. Sampling effort needed to detect changes in silver carp presence in the Ohio River basin. OH-PA-WV Chapters of the American Fisheries Society Joint Meeting 2025. Wheeling, West Virginia, USA.
- Shepta, E. <sup>\*†</sup>, B. Murry, C. Arantes, **C.T. Rota**, and L. Gigliotti. 2025. Modeling factors impeding the spread of invasive carp in the Ohio River. OH-PA-WV Chapters of the American Fisheries Society Joint Meeting 2025. Wheeling, West Virginia, USA.
- Nauyoma, L.O.T.<sup>\*†</sup>, **C.T. Rota**, F.G. Lemos, F.C. Azevedo, F. Sequeira, and E.C. Fabiano. 2024. Modeling roan and sable patterns of spatial distribution in the Mudumu National Park, Namibia. Trends in Biodiversity and Evolution. Vila do Conde, Portugal.
- McCray, L.<sup>\*†</sup>, **C.T. Rota**, C. Lehman, and J.W. Edwards. 2024. Survival of Merriam's Wild Turkey Hens in Gregory County, South Dakota. The Wildlife Society 31<sup>st</sup> Annual Conference. Baltimore, Maryland, USA.
- Arantes, C., A. Lawrence\*, P. Mazik, B. Murry, and **C.T. Rota**. 2024. Projecting the Distribution of Aquatic Species of Greatest Conservation Need Throughout the Mid-Atlantic Region. The Wildlife Society 31<sup>st</sup> Annual Conference. Baltimore, Maryland, USA.
- Clipp, H.<sup>\*†</sup>, **C.T. Rota**, and P.B. Wood. 2024. Management Actions and Local Habitat Characteristics Influence Occurrence of Three Regionally Important Game Bird Species in Wildlife Openings. The Wildlife Society 31<sup>st</sup> Annual Conference. Baltimore, Maryland, USA.
- Shepta, E.<sup>\*†</sup>, B. Murry, C. Arantes, **C.T. Rota**, and L. Gigliotti. 2024. A novel occupancy model to estimate trends in aquatic species distributions. American Fisheries Society 154<sup>th</sup> Annual Meeting. Honolulu, Hawai'i, USA.
- White, D.<sup>†</sup>, **C.T. Rota**, C. Watt, and W. Wright. 2024. Seasonal resource selection of bull elk in the Central Interior Highlands, Arkansas. Conserving the Natural State Forum. Morrilton, Arkansas, USA.

- Miller, M.\*†, **C.T. Rota**, M.W. Frantz, S.F. Owen, and A.B. Welsh. 2024. Assessing population genetics of Appalachian cottontails (*Sylvilagus obscurus*) in West Virginia, USA. 103<sup>rd</sup> Annual Meeting of the American Society of Mammalogists. Boulder, Colorado, USA.
- White, D.†, C.L. Watt, **C.T. Rota**, and W. Wright. 2024. Resource Selection of Bull Elk in the Central Interior Highlands, Arkansas. Eastern Elk Management Workshop, Eureka Springs, Arkansas, USA.
- Pesi, S.\*†, J. Edwards, C. Ryan, and **C.T. Rota**. 2023. Estimating density of white-tailed deer in West Virginia using camera traps. The Wildlife Society 30<sup>th</sup> Annual Conference, Louisville, Kentucky, USA.
- Brown, D.J.†, J. Staggs, **C.T. Rota**, M.M. Cochrane, and R.A. Moen. 2023. Diel and seasonal aquatic/terrestrial habitat selection patterns for a northern population of wood turtles. 2023 Ecological Society of America Annual Meeting, Portland, Oregon, USA.
- Shepta\*†, E., B. Murry, C. Arantes, **C.T. Rota**, and A. Stump. 2023. Modeling factors impeding the spawning success of invasive carp in the Ohio River. American Fisheries Society 153rd Annual Meeting, Grand Rapids, Michigan, USA.
- De Silva\*†, S., J.T. Anderson, J.A. Hubbart, M.P. Strager, E.A. Byers, and **C.T. Rota**. 2023. Water quality in West Virginia wetlands and their relationships with watershed land cover/ land-use practices. Society of Wetland Scientists South Atlantic Chapter meeting. Georgetown, South Carolina, USA.
- Clipp, H.L.\*†, P.B. Wood, and **C.T. Rota**. 2022. Potential broad-scale effects of future climate and land cover change on forest songbird distributions in the Appalachian Mountains. The Wildlife Society 29<sup>th</sup> Annual Conference, Spokane, Washington, USA.
- Clipp, H.L.\*†, **C.T. Rota**, and P.B. Wood. 2022. Occupancy of three game bird species in wildlife openings of the Monongahela National Forest, West Virginia. Southeastern Association of Fish and Wildlife Agencies 76th Annual Conference, Charleston, West Virginia, USA.
- Clipp, H.\*, A. Evans\*, B. Kessinger\*, K. Kellner, and **C. Rota**. 2022. A penalized likelihood for multispecies occupancy models improves predictions of species interactions. International Statistical Ecology Conference 2022, Cape Town, South Africa.
- Clipp, H.L.\*†, D.J. Brown, **C.T. Rota**, and P.B. Wood. 2022. Identifying forest bird communities associated with red spruce forests in the central Appalachian Mountains. North American Congress for Conservation Biology, Reno, Nevada, USA.

- Augustine, S.H.\*†, M.P. Strager, and **C.T. Rota**. 2022. Potential population migratory connectivity in Canada Warblers revealed by geolocator tags. American Ornithological Society (140th Stated Meeting) & BirdsCaribbean (24th Annual Meeting). San Juan, Puerto Rico.
- Clipp, H.L.\*†, S. Augustine\*, B. Murry, M. Campos-Cerqueira, T.M. Aide, and **C.T. Rota**. 2022. Distribution of the Pearly-eyed Thrasher and its interactions with endemic species of conservation concern in Puerto Rico. American Ornithological Society (140th Stated Meeting) & BirdsCaribbean (24th Annual Meeting). San Juan, Puerto Rico.
- Morrison, E.\*†, B. Neiles, C. Lehman, and **C.T. Rota**. 2022. Den site selection of bobcats (*Lynx rufus*) in the Black Hills, South Dakota. 101st Meeting of the American Society of Mammalogists, Tucson, AZ, USA.
- De Silva, S.\*†, J.A. Hubbart, M.P. Strager, E. Byers, R.E. Kellner, **C.T. Rota**, and J.T. Anderson. 2022. Influences of watershed scale stressors and local climate to wetland ecosystem health. Joint Aquatic Sciences Meeting 2022, Grand Rapids, MI, USA.
- Noe, K. \*†, M.W. Frantz, **C.T. Rota**, and J.T. Anderson. 2022. Mitigated versus natural wetlands: How do small mammal communities compare? Joint Aquatic Sciences Meeting 2022, Grand Rapids, MI, USA.
- Bryzek, J. \*†, **C.T. Rota**, E. Byers, W. Veselka, and J.T. Anderson. 2022. Feasibility of stem-area-at-groundline to access woody vegetation development in mitigated wetlands. Joint Aquatic Sciences Meeting 2022, Grand Rapids, MI, USA.
- Bryzek, J.A. \*†, **C. Rota**, W. Veselka, E. Byers, and J.T. Anderson. 2022. Chronosequence approach to woody vegetation as an indicator of wetland mitigation restoration trajectory. National Mitigation and Ecosystem Banking Conference, Boise, ID, USA.
- De Silva, S.\*†, J. Anderson, J. Hubbert, M. Strager, R. Kellner, **C. Rota**, and E. Byers. 2021. Relationships between land-use practices, geography and global climate change to wetland water quality functions. 11<sup>th</sup> INTECOL International Wetlands Conference (virtual meeting).
- Augustine, S.\*†, and **C. Rota**. 2021. Demography and destination: Modeling summer survival and winter migration of Canada Warblers in the Central Appalachian Mountains. The Wildlife Society 28<sup>th</sup> Annual Conference (virtual meeting).
- Morrison, E.\*†, **C. Rota**, and C. Lehman. 2021. Kitten survival and cause-specific mortality of bobcats in the Black Hills, South Dakota. The Wildlife Society 28<sup>th</sup> Annual Conference (virtual meeting).

- Price, L.E.\*†, J.W. Edwards, **C.T. Rota**, S.F. Owen, A.E. Maxwell, and R.E. Rainbolt. 2021. Modeling nymph and adult black-legged tick relative abundance at Fort Drum Military Installation in New York using geographically referenced data. The Wildlife Society 28<sup>th</sup> Annual Conference (virtual meeting).
- Clipp\*†, H.L., **C.T. Rota**, and P.B. Wood. 2021. Managing wildlife openings to benefit game and non-game bird species in Central Appalachian forests. The Wildlife Society 28<sup>th</sup> Annual Conference (virtual meeting).
- Roche, D.P.\*†, S.H. Stoleson, **C.T. Rota**, W.K. Oldland, and C.M. Lituma. 2021. Response of forest birds to invasion by spotted wing Drosophila, a novel invasive fruit pest, at Allegheny National Forest. The Wildlife Society 28<sup>th</sup> Annual Conference (virtual meeting).
- Belcher, K.\*†, J.W. Edwards, R.E. Rogers, and **C.T. Rota**. 2020. Bobcat home range in the eastern panhandle of West Virginia. The Wildlife Society 27<sup>th</sup> Annual Conference (virtual meeting).
- White, D., Jr.†, J. McVey, C.L. Watt, and **C.T. Rota**. 2020. Resource selection of a translocated elk population in North Carolina. 23rd Eastern Elk Management Workshop (virtual meeting).
- Rota, C.T.**, K.F. Kellner, A.W. Parsons, R. Kays, and J.J. Millsbaugh. 2020. A multi-species occupancy model with a continuous-time detection process reveals spatial and temporal interactions. virtual International Statistical Ecology Conference.
- Price, L.\*†, J.W. Edwards, S.F. Owen, **C.T. Rota**, and R. Rainbolt. 2019. Taking nothing for granite: wildlife usage of historic rock walls at Fort Drum Military Installation, New York. American Fisheries Society & The Wildlife Society 2019 Joint Annual Conference. Reno, NV, USA.
- Anderson, J.T.†, S. Yannuzzi\*, M. Peters, I. Gregg, and **C.T. Rota**, 2019. American Black Duck and Mallard Wintering Habitat Use in Western Pennsylvania and West Virginia. Society of Wetland Scientists 2019 Annual Meeting, Baltimore, MD, USA.
- Price, L.\*†, J.W. Edwards, M. Aaron, S.F. Owen, **C.T. Rota**, and R. Rainbolt. 2019. Influence of Habitat Characteristics on Nymphal Black-legged Tick Abundance at Fort Drum Military Installation, New York. 76<sup>th</sup> Annual Northeast Fish & Wildlife Conference. Groton, CT, USA.
- Price, L.\*†, J.W. Edwards, M. Aaron, S.F. Owen, **C.T. Rota**, and R. Rainbolt. 2019. Influence of Habitat Characteristics on Nymphal Black-legged Tick Abundance at Fort Drum Military Installation, New York. 2019 West Virginia Chapter of The Wildlife Society Conference, Morgantown, WV, USA.

- Dimmig, G.\*†, **C.T. Rota**, P.B. Wood, and C.M. Lituma. 2019. Spatial and Temporal Dynamics of Songbirds on a Central Appalachian Elevation Gradient. 2019 West Virginia Chapter of The Wildlife Society Conference. Morgantown, WV, USA.
- Kellner, K.\*†, and **C.T. Rota**. 2018. Effects of Forest Management on Vertebrate Communities: Synthesizing Two Decades of Results From a Long-Term Study. The Wildlife Society 25<sup>th</sup> Annual Conference, Cleveland, OH.
- Dimmig, G.\*†, **C.T. Rota**, P.B. Wood, and C.M. Lituma. 2018. Canada Warbler Environmental Correlates in the Central Appalachian Mountains. The Wildlife Society 25<sup>th</sup> Annual Conference, Cleveland, OH.
- Anderson, J.T.†, A. Gulette, K. Lewis, D.J. Brown, and **C.T. Rota**. 2018. Function of Agricultural Conservation Easement Program Wetlands in West Virginia. Northeast Agricultural and Biological Engineering Conference, Morgantown, WV.
- Rota, C.T.**, S.M. Landry, Q.E. Phelps, and J.T. Anderson. 2018. The best of both worlds: Combining strengths of wildlife and fisheries statistical models for estimating survival probability from age at harvest data. International Statistical Ecology Conference, St. Andrews, Scotland, UK.
- Lewis, K.\*†, **C.T. Rota**, and J. Anderson. 2018. Influence of the Agricultural Conservation Easement Program and Interspecific Interactions on Winter Avian Occupancy of West Virginia Wetlands. 74<sup>th</sup> Annual Northeast Fish & Wildlife Conference, Burlington, VT.
- Lewis, K.\*†, **C.T. Rota**, and J. Anderson. 2018. Wintering Sparrow Occupancy on Private Agricultural Conservation Easement Program Wetlands and Public Wetlands in West Virginia. Spring 2018 West Virginia Chapter of the Wildlife Society Conference, Morgantown, WV.
- Yannuzzi, S.\*†, M. Peters, I. Gregg, **C.T. Rota**, and J.T. Anderson. 2018. Wintering American Black Duck Occupancy in Central Appalachia. Spring 2018 West Virginia Chapter of the Wildlife Society Conference, Morgantown, WV.
- Lehman, C.P.†, **C.T. Rota**, J.D. Raithel, and J.J. Millsbaugh. 2018. Pumas affect elk dynamics in the absence of other large carnivores. South Dakota Chapter of the Wildlife Society Annual Meeting, Oacoma, SD.
- Lewis, K.\*†, **C.T. Rota**, and J. Anderson. 2017. Wintering Avian Occupancy on West Virginia Agricultural Conservation Easement Program Wetlands. The Wildlife Society 24<sup>th</sup> Annual Conference, Albuquerque, NM.
- Anderson, J.†, **C.T. Rota**, S.M. Landry\*, S. Cua\*, and H.L. Clipp\*. 2016. Hunters and trappers as citizen-scientists. XVI Nordic Congress of Wildlife Research, Rovaniemi, Finland.

- Rota, C.T.**, A.J. Wolf <sup>†</sup>, R.B. Renken, R.G. Jensen, R.A. Gitzen, R.A. Montgomery, and J.J. Millspaugh. 2016. Long-term impacts of three forest management practices on herpetofauna in the Missouri Ozarks. Central Hardwoods Forest Conference, Columbia, MO, USA.
- Wolf, A.<sup>†</sup>, **C.T. Rota**, R.B. Renken, R.G. Jensen, R.A. Gitzen, and J.J. Millspaugh. 2016. Response of Ozark herpetofauna to different forest management practices over two decades. Missouri Natural Resources Conference, Osage Beach, MO.
- Rota, C.T.**, J.H. Schulz<sup>†</sup>, J.J. Millspaugh, R.A. Reitz, K.D. Richkus, B. Harvey, S.L. Oldenburger, M.J. Rabe. 2016. National and state-scale attitudes and opinions of mourning dove hunters about lead (Pb) poisoning. The 76<sup>th</sup> Midwest Fish & Wildlife Conference.
- Rota, C.T.**, C.K. Wikle, R.W. Kays, T. Forrester, A. Parsons, W.J. McShea, and J.J. Millspaugh. 2015. A two-species spatial occupancy model accommodating simultaneous spatial and interspecific dependence. The 2015 Ecological Society of America Annual Meeting.
- Rota, C.T.**, E. Kalies, W. McShea, T. Forrester, R. Kays, M. Ferreira, and J.J. Millspaugh. 2014. Modeling multi-species occupancy probabilities with zero-inflated multivariate Bernoulli models: Generalizing occupancy models to  $\geq 3$  species. The Wildlife Society 21<sup>st</sup> Annual Conference.
- Fremgen, A.L.\*<sup>†</sup>, **C.T. Rota**, C. Hansen, M. Rumble, and J.J. Millspaugh. 2014. Use of multi-state mark-recapture models to assess male greater sage-grouse movements between leks. The Wildlife Society 21<sup>st</sup> Annual Conference.
- Fremgen, A.L.\*<sup>†</sup>, **C.T. Rota**, C. Hansen, M. Rumble, and J.J. Millspaugh. 2014. Use of multi-state mark-recapture models to assess male greater sage-grouse movements between leks. The Wildlife Society Central Mountain and Plains Section Annual Meeting.
- Rota, C.T.**, J.J. Millspaugh, M.A. Rumble, C.P. Lehman, and D.C. Kesler. 2013. The role of wildfire, prescribed fire, and mountain pine beetle infestations on the population dynamics of Black-backed Woodpeckers. The Wildlife Society 20<sup>th</sup> Annual Conference.
- Rota, C.T.**, J.J. Millspaugh, M.A. Rumble, C.P. Lehman, and D.C. Kesler. 2013. Not all habitats are disturbed equally: Black-backed Woodpecker population dynamics in burned forests and mountain pine beetle infestations. 131<sup>st</sup> Stated Meeting of the American Ornithologists' Union.
- Rota, C.T.** and J.J. Millspaugh. 2013. A Bayesian kernel density estimator for evaluating animal home range. Ecological Society of America 98<sup>th</sup> Annual Meeting. Available from Faculty of 1000 <http://f1000research.com/slides/1094274>.

- Rota, C.T.**, J.J. Millspaugh, D.C. Kesler, C.P. Lehman, M.A. Rumble, and C.M. Bodinof. 2012. A Bayesian modified case-control model for estimating absolute probability of use from use-availability data. Ecological society of America 97<sup>th</sup> Annual Meeting.
- Rota, C.T.**, D.C. Kesler, M.A. Rumble, C.P. Lehman, and J.J. Millspaugh. 2011. Do mountain pine beetle infestations provide similar foraging resources for Black-backed Woodpeckers as recently burned forests? 72<sup>nd</sup> Midwest Fish & Wildlife Conference.
- Rota, C.T.**, D.C. Kesler, M.A. Rumble, C.P. Lehman, and J.J. Millspaugh. 2011. Foraging behavior of Black-backed Woodpeckers in burned forests and mountain pine beetle infestations. 129<sup>th</sup> Stated Meeting of the American Ornithologists' Union.
- Rota, C.T.**, R.J. Fletcher Jr., J.M. Evans, and R.L. Hutto. 2010. Does addressing imperfect detection improve predictive performance of species distribution models? Ecological Society of America 95<sup>th</sup> Annual Meeting. Available from Nature Precedings <http://dx.doi.org/10.1038/npre.2010.5201.1>.
- Rota, C.T.**, R.J. Fletcher Jr., and R. Dorazio. 2008. Estimating bird detectability from single visit point count surveys. The Wildlife Society 15<sup>th</sup> Annual Conference.
- Rota, C.T.**, R.J. Fletcher Jr., and R. Dorazio. 2008. Occupancy estimation from single visit surveys. 126<sup>th</sup> Stated Meeting of the American Ornithologists' Union / Cooper Ornithological Society / Society of Canadian Ornithologists.

## CONTRIBUTED POSTER PRESENTATIONS

\* indicates student

† indicates presenting author if somebody other than C.T. Rota

- Arantes, C.†, A. Lawrence, H. Dertli, B. Murry, **C.T. Rota**, and P. Mazik. 2025. Projecting the distribution of aquatic species of greatest conservation need in the mid-Atlantic United States. AGU25. American Geophysical Union, New Orleans, Louisiana, USA.
- Grudens, J.\*†, C. Lituma, **C.T. Rota**, D. Greene, D. Miller, and M.P. Strager. 2025. Golden-winged Warbler and Cerulean Warbler on institutional timber lands in West Virginia: Improving management strategies linked to sustainable forestry certification. Partners in Flight Eastern Working Group. Clemson University, South Carolina, USA.
- Miller, M.\*†, **C.T. Rota**, M. Frantz, S.F. Owen, and A.B. Welsh. 2024. Parasites in poop: using metabarcoding to assess gastrointestinal parasite communities of Appalachian cottontails (*Sylvilagus obscurus*), snowshoe hares (*Lepus americanus*) and Eastern cottontails (*Sylvilagus floridanus*) in West Virginia, USA. The Wildlife Society 31<sup>st</sup> Annual Conference. Baltimore, Maryland, USA.

- Miller, M.\*†, M. Frantz, **C.T. Rota**, and A. Welsh. 2023. Assessing the reliability of skull measurements in identifying Appalachian cottontails and eastern cottontails using RAD-seq genomic data. The Wildlife Society 30<sup>th</sup> Annual Conference, Louisville, Kentucky, USA.
- Pesi, S.\*†, B. Skelly \*, J. Edwards, and **C.T. Rota**. 2022. Population Dynamics of White-tailed Deer in West Virginia. The Wildlife Society 29<sup>th</sup> Annual Conference, Spokane, Washington, USA.
- Pesi, S.\*†, B. Skelly \*, J. Edwards, C. Ryan, and **C.T. Rota**. 2022. Population Dynamics of White-tailed Deer (*Odocoileus virginianus*) in West Virginia. Southeastern Association of Fish and Wildlife Agencies 76th Annual Conference, Charleston, West Virginia, USA.
- Chen, C.\*†, J. Brodie, R. Kays, J. Davies, R. Liu, J. Fisher, J. Ahumada, W. McShea, D. Sheil, B. Agwanda, M. Andrianarisoa, R. Appleton, R. Bitariho, S. Espinosa, M. Grigione, K.H. Helgen, A. Hubbard, C. Hurtado, P. Jansen, X. Jiang, A. Jones, E. Kalies, C Kiebou-Opepa, X. Li, M. Lima, E. Meyer, A. Miller, T. Murphy, R. Piana, R.C.Q. Quan, **C. Rota**, F. Rovero, F. Santos, S. Schuttler, A. Uduman, J. van Bommel, H. Young, and C. Burton. 2022. Global Camera Trap Synthesis Highlights the Importance of Protected Areas in Maintaining Mammal Diversity. North American Congress for Conservation Biology, Reno, Nevada, USA.
- Clipp, H.L.\*†, **C.T. Rota**, and P.B. Wood. 2021. Potential effects of climate and land cover change on forest songbirds of the Appalachian Mountains. American Ornithological Society 2022 Meeting (virtual meeting).
- Augustine, S.\*†, and **C.T. Rota**. 2021. Influence of elevation on Canada Warbler population dynamics in the central Appalachian Mountains. 2021 Northeast Natural History Conference (virtual meeting).
- Augustine, S.\*†, and **C.T. Rota**. 2020. Influence of elevation on Canada Warbler (*Cardellina canadensis*) population dynamics in the central Appalachian Mountains, USA. The Wildlife Society 27<sup>th</sup> Annual Conference (virtual meeting).
- Clipp, H.\*†, C. Johnson, **C.T. Rota**, and P.B. Wood. 2020. Optimizing multi-species occupancy of game and non-game birds species in wildlife openings within central Appalachian forests. The Wildlife Society 27<sup>th</sup> Annual Conference (virtual meeting).
- Morrison, E.\*†, **C.T. Rota**, and C. Lehman. 2020. Reproductive rates, kitten survival, and den site selection of bobcats in the Black Hills, South Dakota. The Wildlife Society 27<sup>th</sup> Annual Conference (virtual meeting).
- Evans, A.\*†, J.W. Edwards, C. Ryan, **C.T. Rota**, and M.P. Strager. 2020. Examining translocation protocols of reintroduced elk herds in the eastern United States. The Wildlife Society 27<sup>th</sup> Annual Conference (virtual meeting).

- Roche, D.\*†, S. Stoleson, W. Oldland, **C.T.Rota**, and C.M. Lituma. 2020. Response of forest birds to the invasive fruit pest spotted wing drosophila. Ecological Society of America 2020 Annual Meeting (virtual meeting).
- Augustine, S.\*†, and **C.T. Rota**. 2020. Influence of elevation on Canada Warbler (*Cardellina canadensis*) population dynamics in the central Appalachian Mountains, USA. North American Ornithological Conference (virtual meeting).
- Clipp, H.L.\*†, **C.T. Rota**, and P.B. Wood. 2020. Post-breeding bird use of wildlife openings in a heavily forested landscape. North American Ornithological Conference (virtual meeting).
- Evans, A.\*†, J.W. Edwards, C. Ryan, **C.T. Rota**, and M.P. Strager. 2019. An assessment of the first two years of West Virginia's elk reintroduction program. American Fisheries Society & The Wildlife Society 2019 Joint Annual Conference. Reno, NV, USA.
- Clipp, H.L.\*†, C. Johnson, **C.T. Rota**, and P.B. Wood. 2019. Optimizing multi-species occupancy of game and non-game bird species in wildlife openings within Central Appalachian forests. American Fisheries Society & The Wildlife Society 2019 Joint Annual Conference. Reno, NV, USA.
- Belcher, K.\*†, J.W. Edwards, R. Rogers, **C.T. Rota**, and M.P. Strager. 2019. Spatial Ecology of Bobcats in West Virginia. American Fisheries Society & The Wildlife Society 2019 Joint Annual Conference. Reno, NV, USA.
- Anderson, J.T.†, S. Yannuzzi\*, M. Peters, I. Gregg, and **C.T. Rota**. 2019. Wintering American Black Duck Time Activity Budgets and Daily Energy Expenditure. Society of Wetland Scientists 2019 Annual Meeting, Baltimore, MD, USA.
- Scheibe, A.\*†, and **C.T. Rota**. 2019. Home Range of Song Sparrows Across an Urban Rural Gradient. 2019 West Virginia Chapter of The Wildlife Society Conference. Morgantown, WV, USA.
- Tyl, R.\*†, **C.T. Rota**, and C.P. Lehman. 2018. Survival of Eastern Wild Turkeys in Northeastern South Dakota. The Wildlife Society 25<sup>th</sup> Annual Conference, Cleveland, OH.
- Skelly, B.P.\*†, **C.T. Rota**, J.J. Millsbaugh, and J.W. Edwards. 2018. Does Oil and Gas Development Effect Female Mule Deer Rearing Resource Selection? Spring 2018 West Virginia Chapter of the Wildlife Society Conference, Morgantown, WV.
- Stollings, L.R.\*†, C. Ryan, R. Tucker, and **C.T. Rota**. 2018. Utilization of Special Youth Hunt Days by Young Hunters in West Virginia. Spring 2018 West Virginia Chapter of the Wildlife Society Conference, Morgantown, WV.

- Skelly, B.P.\*†, **C.T. Rota**, J.J. Millspaugh, and J.W. Edwards. 2017. Potential effects of gas and oil development on mule deer survival. The Wildlife Society 24<sup>th</sup> Annual Conference, Albuquerque, NM.
- Stollings, L.\*†, H. Warner\*, D.M. Wood\*, and **C.T. Rota**. 2017. Survey and analyses of current uses and needs of West Virginia natural resources police officers. The Wildlife Society 24<sup>th</sup> Annual Conference, Albuquerque, NM.
- Tyl, R.\*†, **C.T. Rota**, and C.P. Lehman. 2017. Survival and reproduction of eastern wild turkeys in northeastern South Dakota. The Wildlife Society 24<sup>th</sup> Annual Conference, Albuquerque, NM.
- Matejczyk, E.\*†, C.M. Lituma, and **C.T. Rota**. 2017. Forest management influence on Cerulean Warbler populations in West Virginia. West Virginia University Summer Undergraduate Research Experience Poster Symposium.
- Crawford, T.\*†, G. Dimmig\*, and **C.T. Rota**. 2017. The future of birds in the Appalachian Mountains. West Virginia University Summer Undergraduate Research Experience Poster Symposium.
- Lewis, K.\*†, **C.T. Rota**, and J. Anderson. 2017. Wintering Avian Occupancy and Richness in West Virginia Agricultural Conservation Easement Program Wetlands. Northeast Association of Fish and Wildlife Agencies Annual Conference.
- Lewis, K.\*†, **C.T. Rota**, and J. Anderson. 2017. Avian Occupancy and Richness in West Virginia Agricultural Conservation Easement Wetlands. West Virginia Chapter of the Wildlife Society Spring 2017 Meeting.

## PROFESSIONAL SERVICE

**Reviewer** for *Science of the Total Environment*; *Conservation Letters*; *mSystems*; *Methods in Ecology and Evolution*; *Urban Forestry & Urban Greening*; *Ecography*; *Conservation Biology*; *Journal of Applied Ecology*; *Biological Conservation*; *Ecology*; *Ecological Applications*; *Global Ecology and Conservation*; *American Naturalist*; *Scientific Reports*; *Journal of Environmental Management*; *Oecologia*; *Forest Ecology and Management*; *PLoS ONE*; *Restoration Ecology*; *PeerJ*; *Ecosphere*; *Condor*; *Ornithological Applications*; *Environmental and Ecological Statistics*; *Journal of Mammalogy*; *European Journal of Wildlife Research*; *Journal of Wildlife Management*; *Ornithology*; *Ibis*; *Community Ecology*; *Wildlife Society Bulletin*; *Journal of Agricultural, Biological, and Environmental Statistics*; *Avian Conservation and Ecology*; *Journal of Field Ornithology*; *Wildlife Biology*; *The Prairie Naturalist*; *Journal of Arid Land*; *Northwestern Naturalist*

**Chair Elect, Chair**

2024 – Present

The Wildlife Society Biometrics Working Group

<b>Associate Editor</b> Journal of Wildlife Management	2022 – Present
<b>Vice President</b> Mountaineer Chapter of the National Audubon Society	2022 – 2024
<b>Book Reviewer</b> Introduction to Statistical Modeling for Ecologists, Elsevier	2022
<b>Science and Analytics Committee</b> Wildlife Insights	2018 – 2021
<b>Secretary</b> The Wildlife Society Biometrics Working Group	2016 – 2018

### UNIVERSITY SERVICE

<b>Academic Program Coordinator</b> West Virginia University, Wildlife and Fisheries Resources Program	2024 – Present
<b>Member, Workload Pathways and Evaluation Ratings Committee</b> West Virginia University, Davis College of Agriculture and Natural Resources	2024 – 2025
<b>Search Committee Member, Directors of Davis College Schools</b> West Virginia University, Davis College of Agriculture and Natural Resources	2024
<b>Faculty Senator</b> West Virginia University	2021 – 2024
<b>Member, Promotion and Tenure Committee</b> West Virginia University Division of Forestry and Natural Resources	2022 – 2024
<b>Chair, Search Committee, Assistant Professor</b> West Virginia University Wildlife & Fisheries Resources Program	2022 – 2023
<b>Member, Learning Assessment subcommittee</b> West Virginia University Wildlife & Fisheries Resources Program	2023
<b>Faculty Advisor, Herpetology Club</b> West Virginia University Wildlife & Fisheries Resources Program	2022 – 2023
<b>Faculty Search Committee Member, USGS Co-op Unit</b> West Virginia University Wildlife & Fisheries Resources Program	2021 – 2022
<b>Search Committee Member, Assistant Professor</b> West Virginia University Wildlife & Fisheries Resources Program	2021 – 2022
<b>Student Recruitment Initiative</b> Davis College, West Virginia University	2021 – 2022
<b>Search Committee Member</b> West Virginia University, Director of the Office of Undergraduate Research	2021
<b>Diversity, Equity, and Inclusion Committee</b> West Virginia University, Division of Forestry and Natural Resources	2020 – 2021
<b>Office of Undergraduate Research Advisory Council</b> West Virginia University	2018 – 2022

<b>Ad Hoc PhD Methodologies Classes Committee</b> West Virginia University	2020
<b>Faculty Support Committee Member</b> Davis College of Agriculture, Natural Resources, and Design	2017 – 2020
<b>Faculty Advisor</b> The Wildlife Society, West Virginia Student Chapter	2016 – 2022
<b>Teaching Lab Coordinator</b> West Virginia University Wildlife & Fisheries Resources Program	2016 – 2021
<b>Faculty Search Committee Member</b> West Virginia University Wildlife & Fisheries Resources Program	2016

### GRADUATE STUDENT SERVICE

<b>President</b> University of Missouri Fisheries & Wildlife Graduate Student Organization	2010 – 2012
<b>Organizer</b> University of Florida Southeastern Ecology and Evolution Conference	2009
<b>Coordinator</b> University of Florida, Eco think-tank graduate student lunches	2008 – 2009

### PROFESSIONAL DEVELOPMENT

WVU Teaching and Learning Commons Peer Support Program	2016 – 2017
Write Winning Grant Proposals Seminar	2016
West Virginia Great Teachers Seminar	2016
WVU Teaching and Learning Commons First Friday Seminar Series	2016
University of Missouri Celebration of Teaching	2013 & 2015
Preparing Future Faculty	August 2014 – May 2015
Practical Training in the use of GIS for Natural Resource Applications	2008

### GRADUATE AND POSTDOCTORAL AWARDS

<b>Travel Grant</b> University of Missouri Postdoctoral Association	2014
<b>Outstanding Graduate Student</b> University of Missouri Graduate Student Association	2013
<b>Outstanding Graduate Student</b> University of Missouri Fisheries & Wildlife Graduate Student Organization	2013
<b>Student Travel Scholarship</b> University of Missouri Graduate Professional Council	2012

<b>TransWorld Airlines Scholarship</b>	2012
The University of Missouri	
<b>Judy Southern Fellowship</b>	2012
University of Missouri Department of Fisheries & Wildlife Science	
<b>James D. Chambers Memorial Scholarship</b>	2012
Missouri Chapter of the Wildlife Society	
<b>Student Travel Grant</b>	2011
University of Missouri Organization Resource Group	
<b>Graduate Fellowship Award</b>	2011
Missouri Chapter of the Wildlife Society	
<b>Student Travel Grant</b>	2010
University of Missouri Organization Resource Group	
<b>Student Travel Grant</b>	2008
The Wildlife Society	
<b>Student Travel Grant</b>	2008
University of Florida Wildlife Graduate Student Association	
<b>Student Travel Grant</b>	2008
University of Florida Graduate Student Council	

#### **GRADUATE AND UNDERGRADUATE FIELD RESEARCH EXPERIENCE**

<b>Graduate Research Assistant</b>	2009 – 2011
University of Missouri / U.S. Forest Service	
<b>Graduate Research Assistant</b>	2007 – 2008
University of Florida / University of Montana Avian Science Center	
<b>Warbler Research Technician</b>	2007
Smithsonian Institute	
<b>Bird Song Research Assistant</b>	2006 – 2007
University of Montana Avian Science Center	
<b>Invasive Plant Research Technician</b>	2006
University of Montana College of Forestry and Conservation	
<b>Bat Research Technician</b>	2005
University of Montana Cooperative Wildlife Research Unit	