**TRAVIS GALLO**

Assistant Professor | Department of Environmental Science and Policy |George Mason University

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**ACADEMIC AND RESEARCH APPOINTMENTS**

2019-present Assistant Professor, Department of Environmental Science and Policy, College of Science, George Mason University, Fairfax, Virginia

2016-2019 Postdoctoral Researcher, Urban Wildlife Institute, Lincoln Park Zoo, Chicago, Illinois

2017 Instructor, Northeastern Illinois University, Chicago, Illinois

**Education**

2016 **Ph.D.**, Department of Fish, Wildlife, and Conservation Biology, Colorado State University. Dissertation: *Bird and mammal response to large-scale habitat mitigation.* Advisor: Dr. Liba Pejchar

2008 **M.S.**, Department of Biology, Texas A&M University – Corpus Christi. Thesis: *Predicting current and future distributions of Mexican ground squirrels (Spermophilus mexicanus parvidens)*. Advisor: Dr. Graham Hickman

2005 **B.S.**, Department of Biology, Texas A&M University – Corpus Christi

**Refereed Publications**

As of Aug. 2021, **Total**: 21, Google Scholar **Citations**: 481, **h-index**: 10, **i10-index**: 10

Journal 5-year impact factors are in brackets

Collins, M., S.B. Magle, T. Gallo. **2021**. Global trends in urban wildlife ecology and conservation. Biological Conservation. 26: 109236 [5.99]

Lehrer, E.W, **T. Gallo**, M. Fidino, R.J. Kilgour, P.J. Wolff, S. Magle. 2021. Urban bat occupancy is highly influenced by noise and the location of water: Considerations for nature-based urban planning. Landscape and Urban Planning. 210:104063. [5.44]

Fidino, M., **Gallo, T.**, Lehrer, E. W., Murray, M. H., Kay, C., Sander, H. A., MacDougall, B., Salsbury, C. M., Ryan, T. J., Angstmann, J. L., Belaire, J. A., Dugelby, B., Schell, C., Stankowich, T., Amaya, M., Drake, D., Hursh, S. H., Ahlers, A. A., Williamson, J., Hartley, L. M., Zellmer, A. J., Simon, K., and Magle, S. B. **2021**. Landscape-scale differences among cities alter common species’ responses to urbanization. *Ecological Applications*. [4.43]

Ritzel, K. and **T. Gallo**. **2020**. Behavior Change in Urban Mammals: A Systematic Review. *Frontiers in Ecology and Evolution*. [2.08]

**Gallo, T.**\*, M. Fidino\*, E.W. Lehrer, S. Magle. **2019**. Novel fear dynamics in a highly urban ecosystem. *Journal of* *Animal Ecology*. 88:793-803 [4.46]

\* Both authors contributed equally

Potratz, E., J.S. Brown, **T. Gallo**, C. Anchor, R.M Santymire. **2019**. Effects of demography and urbanization on stress and body condition of urban white-tailed deer. *Urban Ecosystems*. 22:807–816

[2.58]

Magle, S.B., M. Fidino, E.W. Lehrer, **T. Gallo**, M.P. Mulligan, M.J. Ríos, A.A. Ahlers, J. Angstmann, A. Belaire, B. Dugelby, A. Gramza, L. Hartley, B. MacDougall, T. Ryan, C. Salsbury, H. Sander, C. Schell, K. Simon, D. Drake. **2019**. Advancing urban wildlife research through a multi-city collaboration. *Frontiers in Ecology and the Environment*. 17:232-239 [10.93]

**Gallo, T.** and M. Fidino. **2018**. Insight: Making wildlife welcome in urban areas. *eLife*. 7:e41348 (invited) [7.08]

**Gallo, T.,** E.W. Lehrer, M. Fidino, R.J. Kilgour, P.J. Wolff, S. Magle. **2018**. Need for multiscale planning for conservation of urban bats. *Conservation Biology*. 32:638-647 [5.40]

Pejchar, L., **T. Gallo**, M. Hooten, G. Dailey. **2018**. Predicting effects of large‐scale reforestation on native and exotic birds. *Diversity and Distributions*. 24:811-819 [4.09]

**Gallo, T.**, M. Fidino, E.W. Lehrer, S. Magle. **2017**. Mammal diversity and metacommunity dynamics in urban green spaces: implications for urban wildlife conservation. *Ecological Applications*. 27:2330-2341 [4.43]

**Gallo, T**., L.T. Stinson, L. Pejchar. **2017**. Mitigation for energy development fails to mimic natural disturbance for birds and mammals. *Biological Conservation*. 212:39-47 [5.99]

**Gallo, T.** and L. Pejchar. **2017**. Woodland reduction and long-term change in breeding bird communities.*Journal of Wildlife Management*. 81:259-268 [2.05]

Farr, C., D. Bennett, S. Bombaci, **T. Gallo**, A. Mangan, T. Nogeire, H. Riedl. L. Stinson, K. Wilkins, L. Pejchar. **2017**. Addressing the gender gap in distinguished speakers at professional ecological conferences. *Bioscience.*67:464-468[8.28]

Bombaci, S., **T. Gallo**, L. Pejchar. **2017**. Small-scale woodland reduction practices have neutral or negative short-term effects on birds and small mammals. *Rangeland Ecology and Management*. 70:363-373 [2.09]

Miller, A., E. Goad, **T. Gallo**, L. Pejchar, L. Bailey, S. Reed. **2017**. The impact of exurban housing density on wintering birds. *The* *Wilson Journal of Ornithology.*129:85-97 [0.67]

Riedl, H., D. Bennett, A. Mangan, L. Stinson, K. Wilkins, **T. Gallo**, L. Pejchar. **2017**. The Paradox of the Carnivorous Conservationist. *Biological Conservation*. 205:111-112. [book review]

**Gallo, T.**, L.T. Stinson, L. Pejchar. **2016**. Pinyon-juniper removal has long-term effects on mammals. *Forest Ecology and Management*377:93-100 [3.12]

**Gallo, T.**and L. Pejchar. **2016**. Improving habitat for game animals has mixed consequences for biodiversity conservation. *Biological Conservation* 197:47:52 [4.66]

Bombaci, S., C. Farr, **T. Gallo**, A. Mangan, L. Stinson, M. Kaushik, L. Pejchar. **2015**. Using Twitter to communicate conservation science beyond professional conferences. *Conservation Biology*30:216-225 [5.40]

**Gallo T.**and D. Waitt. **2011**. Creating a successful citizen science model to detect and report invasive species. *Bioscience* 61:459-465 [8.28]

**Technical Reports**

Bertleson, M., M. O’Toole, **T. Gallo**. 2012. City of Austin Invasive Species Management Plan. Austin, Texas.

Hickman, G. C., A. Baxter, **T. Gallo**. 2007. Species inventory update at NAS Corpus Christi, Texas: Including NALF Waldron, NALF Cabaniss, and the Perry Place Transmitter Site. June 2007.

**Popular Science Publications**

**Gallo, T.** 2016. To better conserve wildlife, consider all kinds of animals, not just the ones we hunt. *The Conversation*, May 2016.

**Gallo, T.** and S. Windhager. 2011. Accepting ‘The New Normal’? Not so fast... *Conservation Magazine*, Spring 2011.

**Grants and Awards**

2020-2021 400 Years of African American History Commission (National Park Service), Write a New History Grant ($20,000) - The Hidden History of Enslaved Naturalist, 1619, and 1863

2018-2020 Urban Wildlife Information Network Expansion Grant ($250,000)

2014-2016 XTO Energy Development and Conservation Grant ($40,000)

2014-2015 Lois Webster Conservation Grant. Denver Audubon ($750)

2014-2015 Colorado Parks and Wildlife Conservation Research Grant ($1,000)

2014-2015 Sustainability Leadership Fellowship, School of Global Environmental Sustainability, Colorado State University

2011-2012 Invasive Species Pulling Together Initiative. U. S. Forest Service, Forest Health Protection. ($20,000)

2011-2010 APHIS Farm Bill: Creating a sentinel network to detect insect pest of regulatory significance. ($74,000)

2011-2012 Creating a citizen science program to map invasive species and monitor rare plants on National Forests and Grasslands in Texas. National Forest Foundation. ($20,000)

2010-2011 Public Servant of the Year, Texas Invasive Plant and Pest Council

2009-2010 Invasive Species Pulling Together Initiative. U. S. Forest Service, Forest Health Protection. ($45,000)

2009-2010 Invaders of Texas: Student and Teacher Training in Austin, TX. City of Austin Urban Forest Grant Program ($5,925)

2005-2006 TAMU-CC Science & Technology Graduate Scholarship ($500)

**Teaching**

**Instructor**

2021 Applied Ecology [EVPP 377], Department of Environmental Science and Policy, George Mason University

2021 Biodiversity and Ecosystem Services [EVPP 301], Department of Environmental Science and Policy, George Mason University

2021 R Programming for Environmental Science [EVPP 505], Department of Environmental Science and Policy, George Mason University

2020 Principles of Wildlife Ecology [EVPP 490], Department of Environmental Science and Policy, George Mason University

2019 - 2021 Principles of Conservation Biology [EVPP 318/518], Department of Biology, George Mason University

2019 Conservation in Urban Ecosystems [EVVP 991], Department of Environmental Science and Policy, George Mason University

2017 General Ecology [BIOL 305], Department of Biology, Northeastern Illinois University. Writing Intensive Program sanctioned course. Instructor with full responsibility

2016 Principles of Wildlife Management [FWCB 280], Department of Fish, Wildlife, and Conservation Biology, Colorado State University. Co-instructor with full responsibility

**Teaching Assistantships**

2015 Ecology, Department of Natural Resources, Colorado State University, Instructor: Dr. Liba Pejchar

2013 Ornithology, Department of Biology, Colorado State University, Instructor: Dr. Cameron Ghalambor

2008 Vertebrate Biology, Department of Biology, Texas A&M University-Corpus Christi, Instructor: Dr. Graham Hickman

2008 Ornithology, Department of Biology, Texas A&M University-Corpus Christi, Instructor: Dr. Graham Hickman

2007 Mammalogy, Department of Biology, Texas A&M University-Corpus Christi, Instructor: Dr. Graham Hickman

2007 Vertebrate Biology, Department of Biology, Texas A&M University-Corpus Christi, Instructor: Dr. Graham Hickman

2006 Vertebrate Biology, Department of Biology, Texas A&M University-Corpus Christi, Instructor: Dr. Graham Hickman

**Guest Lectures**

2018 General Ecology (300-level course), Department of Biology, Loyola University, “Urban Ecology”

2016 Biological Diversity (300-level course), Department of Fish, Wildlife, and Conservation Biology, Colorado State University, “Communicating Conservation Science”

2014 Conservation Biology (400-level course), Department of Fish, Wildlife, and Conservation Biology, Colorado State University, “Public Participation in Research: aka Citizen Science”

2012 Conservation Biology (400-level course), Department of Fish, Wildlife, and Conservation Biology, Colorado State University, “Public Participation in Research: aka Citizen Science”

**Informal Teaching**

2017 R programming and occupancy modeling workshop for UWIN partners, Urban Wildlife Institute, Lincoln Park Zoo, Chicago, Illinois

2011 Early Naturalists and Texas Ecology, University of Texas at Austin, Texas

**STUDENT Advising**

**Chair of Graduate Student Committee**

Merri Collins (PhD), 2020-current – Population and Community Ecology of Urban Mammals

Krista Shires (PhD), 2020-current – Anthropogenic impacts on urban mammals

Dan Herrara (PhD), 2020-current – Effects of light, sound, and historical land use on urban wildlife

Kay Pontarelli (MS), 2021-current – Insect ecology in residential yards

Alexia Yau (MS), 2021-current – Small mammal community ecology in urban meadows and grasslands

Hannah Wood (Accelerated MS), 2020-current – Animal behavior in urban ecosystem

Angela Gaal (MS), 2020-current – Distribution of ecosystem services provisioned by public trees

Kate Ritzel (MS), 2019-2021 – Differences between urban and rural racoon behavior

**Member, Graduate Student Committee**

Sarah Weber (PhD), 2021-current – Rewilding North American grasslands

Meadhbh Molloy (PhD), 2020-current – Disease ecology of urban Tasmanian devils

Shawn Smith (Phd), 2019-current – Annual cycle and population dynamics of urban bird

Megan Gisonda (MS), 2019-current – Indigenous perspective of Tongass Roadless Area

Katrina Cazel (MS), 2020-2021 – Defense mechanisms of urban mammals

Christine Nguyen (MS), 2019-2020 – Spatial distribution of desert rodents

**Undergraduate Student and Technician Supervision**

Roberto Aquilar-Rojas, 2021-current, undergraduate research assistant

Piper Robinson, 2021-current, undergraduate research assistant

Faith Kruger, 2020-current, undergraduate research assistant

Tristan Silva-Montoya, 2020-current, undergraduate research assistant

Aly Cervantes, 2018-2019, supervising undergraduate research internship

Molly Warner, 2014-2017, supervising undergraduate honors thesis

Adam Miller, 2014-2016, supervising publication of undergraduate honors thesis

Aaron Campbell, 2012-2014, field technician

Kelsey Hatcher, 2012-2013, lab technician

**Service Activities**

2020-current Faculty-sponsor, Anti-Racism and Ecojustice Alliance, Environmental Science and Policy, George Mason University

2019-current Chair, Seminar Committee, Environmental Science and Policy, George Mason University

2019-current Faculty-sponsor, The Wildlife Society Student Chapter, George Mason University

**Scientific Advising**

2014-current The Tumble Podcast: a science podcast for kids. Science Advisory Board.

2015 Bird Conservancy of the Rockies. Occupancy Analysis of Wintering Grassland Birds in Chihuahua, Mexico.

**Science Communication and Outreach**

2020 COMPASS Communication Training, George Mason University, Fairfax, Virgina.

2015-2017 Co-founder and co-host. The School of Global Environmental Sustainability’s *Sustainability Hour* radio program. 90.5 KCSU Fort Collins.

2014-2015 Sustainability Leadership Fellow. The School of Global Environmental Sustainability, Colorado State University, Fort Collins, Colorado.

**Symposia AND PANELS Organized**

2020 **Gallo T.** and S. Corrao. Creating and Designing Wildlife Friendly Cities. The Wildlife Society Annual Conference. Virtual Conference.

2019 **Gallo T.** and C. Schell. Plenary Keynote Panel: Collaboration and Conservation: Applications to Urban Wildlife. International Urban Wildlife Conference, Portland, Oregon, US.

2019 **Gallo T**. and C. Schell. Inclusive Urban Ecosystems: Integrating urban ecology research with community engagement. International Urban Wildlife Conference, Portland, Oregon, US.

2018 **Gallo T.** Nature in the City: connecting the urban to the wild through green infrastructure initiatives. North American Congress for Conservation Biology, Toronto, Ontario, Canada

2017 **Gallo T.**, M. Wilkerson, L. Bailey, M. Draheim, L. Kövér. Conservation Science in an Urbanizing World: practicing conservation science in urban systems. 28th International Congress for Conservation Biology, Cartagena, Colombia.

2017 Wilkerson M., **T. Gallo**, L. Bailey, M. Draheim, L. Kövér. Conservation Science in an Urbanizing World: how is science and conservation changing in urban ecosystems? 28th International Congress for Conservation Biology, Cartagena, Colombia

**Invited Seminars, Symposia, and Panels**

2020 *Symposium:* Expanding Boundaries Through Allyship in Conservation Biology. North American Congress of Conservation Biology. Virtual Conference.

2018 *Symposium*: Urban Carnivore Ecology. The Wildlife Society’s Annual Meeting, Cleveland, Ohio.

2018 *Seminar*: Department of Biological Sciences Seminar Series, University of Northern Illinois, DeKalb, Illinois.

2017 *Seminar*: Faculty and Student Seminar Series. Ecology and Evolution Program, University of Illinois at Chicago, Chicago, Illinois.

2016 *Seminar*: Conservation and Science Research Seminar Series. Department of Conservation and Science, Lincoln Park Zoo, Chicago, Illinois.

2014 *Symposium*: Wildlife and Natural Gas Extraction in the Piceance Basin, Colorado: Impacts and Mitigation. 2014 Colorado Chapter of the Wildlife Society Annual Winter Meeting, Fort Collins, Colorado.

2011 *Panel*: Invasive Species Management, Control, and Early Detection. 2011 Natural Areas Conference, Tallahassee, Florida.

2011 *Panel*: Eyes in the Field, Boots on the Ground: Citizen Science. 2011 South by Southwest Eco, Austin, Texas.

**Selected Conference Presentations**

2020 **T. Gallo**, M. Blair, M. Groom. Individual and Institutional Allyship that Creates Supportive Workplaces for All Conservationists. North American Congress of Conservation Biology. Virtual Conference.

2017 **Gallo, T.,** M. Fidino, E.W. Lehrer, S. Magle. Rethinking the landscape of fear in urban ecosystems. The Wildlife Society Annual Meeting, Albuquerque, New Mexico.

2017 **Gallo, T.,** M. Fidino, E.W. Lehrer, S. Magle. Metacommunity dynamics of mammals in urban green spaces. International Congress of Conservation Biology, Cartagena, Colombia.

2017 **Gallo, T.,** M. Fidino, E.W. Lehrer, S. Magle. If you build it will they come? Metacommunity and metapopulation dynamics of mammals in urban green spaces. International Urban Wildlife Conference, San Diego, California.

2016 **Gallo, T.** and L. Pejchar. Management for game species has unintended consequences for non-target species. North American Congress for Conservation Biology, Madison, Wisconsin.

2015 **Gallo, T.,** L.T. Stinson, L. Pejchar. Long-term effects of tree removal on animal communities in the Piceance Basin, Colorado. Ecological Society of America, Baltimore, Maryland.

2015 **Gallo, T,** L.T. Stinson, L. Pejchar. Long-term effects of tree removal on animal communities in the Piceance Basin, Colorado. International Congress for Conservation Biology, Montpellier, France.

2015 **Gallo, T.** Long-term impacts of chaining on bird communities in the Piceance Basin. Front Range Student Ecology Symposium, Fort Collins, Colorado.

2015 **Gallo, T.** Long-term impacts of chaining on bird communities in the Piceance Basin. Colorado Chapter of the Wildlife Society Annual Winter Meeting, Grand Junction, Colorado.

2014 **Gallo, T.**, Bombaci, S., C. Farr, A. Mangan, L. Stinson, L. Pejchar. How well does Twitter communicate conservation science?: a case study of ICCB 2013. North American Congress of Conservation Biology, Missoula, Montana.

2014 **Gallo, T.** Does mechanical disturbance mimic natural disturbance? Avian response to hydroax and fire. Front Range Student Ecology Symposium, Fort Collins, Colorado.

2014 **Gallo, T.** Does mechanical disturbance mimic natural disturbance? Avian response to hydroax and fire. Colorado Chapter of the Wildlife Society Annual Winter Meeting, Fort Collins, Colorado.

2011 **Gallo, T.** Introducing the Eradicator Calculator: a new tool for recording the cost and efforts to control and manage invasive species in Texas. 2011 Texas Invasive Plant and Pest Conference, Austin, Texas

2010 **Gallo, T.** Creating a successful citizen science model to detect and report invasive species. 2010 Texas Academy of Science Annual Meeting, Austin, Texas.

2010 **Gallo, T.** Creating a successful citizen science model to detect and report invasive species. 2010 Texas Plant Conservation Conference, Austin, Texas.

2009 **Gallo, T.** Using citizen scientists to update the distribution of key invasive species in Texas. 2009 Texas Invasive Plant and Pest Conference, San Antonio, Texas.

2009 **Gallo, T.**, D. Waitt. Using citizen scientists to update the distribution of key invasive species in Texas. 2009 Texas Plant Conservation Conference, Austin, Texas.

2009 **Gallo, T.** Using citizen scientists to better understand the distribution of invasive plants in Texas. 2009 South East Entomology Symposium, Nacogdoches, Texas.

**Poster Presentations**

2013 **Gallo, T.** Avian response to mule deer management techniques in the Piceance Basin, Colorado. Front Range Student Ecology Symposium, Fort Collins, Colorado.

2013 **Gallo, T.** Avian response to mule deer management techniques in the Piceance Basin, Colorado. Colorado Parks and Wildlife Annual Winter Meeting, Colorado Springs, Colorado.

2008 **Gallo, T.** Predicting current and future distributions of Mexican ground squirrels (*Spermophilus mexicanus parvidens*). 2008 Texas Academy of Science Annual Meeting, Corpus Christi, Texas.

**PROFESSIONAL ACTIVITIES**

**Professional Societies**

Society for Conservation Biology

*Member: Urban Ecology Working Group*

*Member: Participatory and Citizen Science Working Group*

The Wildlife Society

*Member: Urban Wildlife Working Group*

Ecological Society of America

*Member: Urban Ecology Section*

*Member: Early Career Ecologist Section*

**Associated Editor**

Urban Ecosystems

**Editorial Board**

Biological Conservation

**Review of Journal Articles**

Ecological Applications

Scientific Reports

Journal of Applied Ecology

Bioscience

Biological Conservation

Urban Ecosystems

Journal of Urban Ecology

Journal of Wildlife Management

Journal of Mammalogy

**Professional Experience**

2016-2019 Postdoctoral Researcher, Urban Wildlife Institute, Lincoln Park Zoo, Chicago, Illinois

2016 Research and Social Media Coordinator, Global Biodiversity Center, Colorado State University, Fort Collins, Colorado

2012-2016 Graduate Research Assistant, Colorado State University, Fort Collins, Colorado

2008-2012 Program Coordinator, Invaders of Texas Citizen Science Program, University of Texas at Austin, Lady Bird Johnson Wildflower Center, Austin, Texas

2011Contract Biologist, Audubon Texas, San Antonio, Texas

2008-2009 Important Bird Areas Coordinator, Travis Audubon Society, Austin, Texas

2008 Biological Technician**,** United States Geological Survey Texas Snowy Plover Consensus, Rio Hondo, Texas

2006-2008 Biological Technician, United States Geological Survey Wintering Grassland Bird Survey, Corpus Christi, Texas

2005-2008 Biological Technician, Texas A&M University – Corpus Christi U.S. Navy Vertebrate Surveys, Corpus Christi, Texas

**SELECTED Media Coverage**

# Bobcat spotted roaming Washington D.C. in rare sighting. National Geographics. January, 24, 2020

How Hunting Still Rules Our Wildlife Agencies. *TakePart.com*. March 18, 2016

Management Efforts for Elk and Deer May Not Benefit All Wildlife. *Science Daily*. April 5, 2016

Management Efforts for Elk and Deer May Not Benefit All Wildlife. CSU Source. April 5, 2016

CSU Research Examines Mixed Effects of Habitat Projects. *Reporter-Herald*. April 6, 2016

New Wildlife Research May Affect Mule Deer Efforts. *Aspen Public Radio*. April 11, 2016

Game Not Always Umbrella Species for Conservation. *Wildlife Professional*. April 15, 2016

**Community Involvement**

2017 Mentor, After School Matters Teen Hack-a-Thon, Chicago, Illinois.

2016 – Zooniverse Moderator

2010-2012 Leadership Council, Emerging Professionals in Conservation, Hill Country Conservancy, Austin, Texas.

2010-2012 Committee Member, Bouldin Creek Neighborhood Association Parks Committee, Austin, Texas.

2009 Instructor, Bird Study Course at Boy Scouts of America Hornaday Camp, Bastrop, Texas.

2008-2009 Board Member, Urban Forest Board, Austin, Texas.

2006- 2008 Conservation Chair, Coastal Bend Audubon Society, Corpus Christi, Texas.

2006-2008 Annual Breeding Bird Surveys, USGS, Corpus Christi, Texas.

2005 Hurricane Katrina Relief Efforts, American Red Cross, Corpus Christi, Texas.