



# Wilson Ornithological Society 2022 Meeting

#WOS2022 | July 17–20 in Santa Fe, New Mexico

## Covid Policy

Please note that while we cannot guarantee the COVID safety of anyone who chooses to travel and meet with us in Santa Fe, we are working to create the safest environment we can for an in-person meeting. Here's what we'll expect of registrants:

- Through a third-party service ensuring anonymity, we will require proof of vaccination to register.
- Masks will be required in all meeting spaces for the conference, although we expect people to lower their masks during dining. We are purchasing and will have N95 masks on hand for conference attendees.
- We will provide rapid antigen testing kits and expect conference attendees to test at least twice.

## Land Acknowledgement

*The 2022 Wilson Ornithological Society Conference takes place on the traditional, unceded homelands of the Tiwa, Tewa, Diné, and N'de peoples. We as the participants of this conference and members of Wilson Ornithological Society recognize that the harms of genocide and colonization are ongoing and know it is our responsibility to work against this historical erasure. Indigenous peoples have deep connections to the land and are the roots of their beautiful communities. We honor the land and those who remain stewards of our human, plant, and animal kin throughout the generations. This acknowledgment only becomes meaningful when combined with accountable relationships and informed actions. It is only a first step. We respect the right to Indigenous sovereignty and self-determination and are committed to uplifting Indigenous voices while being better listeners, learners, and partners. We as members of the ornithological and avian conservation community need to examine our own work and our collective work to do better today and in the future.*

# Code of Conduct

This Code of Conduct is intended to set clear expectations of behavior of participants at all WOS events to ensure that all feel safe and welcome.

The Wilson Ornithological Society welcomes everyone. We are dedicated to providing an inclusive environment that is collaborative, supportive, and engaging for everyone involved, and that is free of discrimination, harassment, and retaliation. We expect everyone to help in our mission by being respectful and considerate of each other, providing supportive critique, and embracing the multitude of opinions that are on offer.

## Meeting Scope

WOS events (virtual and in person) are intended to foster the open and honest communication of ornithological science and to promote equality of opportunity and treatment for all participants. Effective communication requires that we be courteous in our interactions and that we respect the intellectual property of our colleagues. We represent the field of ornithology and avian conservation, and it is imperative that we behave as professionals toward all participants, staff, and vendors.

All forms of communication among participants during WOS events are considered within the scope of the event and thus fall under the jurisdiction of the Code of Conduct. These include public and private communications in virtual conference rooms, via electronic chat functions (e.g., Q/A box, Zoom Chat), emails, texts (including via platforms such as Signal, Slack, and Whatsapp), social media, phone calls, and other forms of written, verbal, and non-verbal (including visual) communication. In addition, communication, as described above, that occurs after a WOS event but that pertains to content from the event and/or where contact information of a participant was procured during the event may also fall under the purview of this Code of Conduct.

## Expectations of Participants

Harassment between participants will not be tolerated in any form. Harassment includes any communication or behavior towards another participant that involves offensive gestures, verbal and written comments, posts on the internet and social media, deliberate intimidation, stalking, harassing photography or recording, sustained disruption of talks or other events, inappropriate physical or electronic contact, microaggressions, and unwelcome attention. It is possible to engage in harassment without the intention of doing so. Participants asked to stop any harassing behavior by anyone are expected to comply immediately, regardless of their intent.

Bad faith reporting under the Code of Conduct will be considered itself a violation of the Code of Conduct. Bad faith reporting is defined as intentionally false and/or malicious reporting of code of conduct violations against another attendee.

Individuals who are currently sanctioned for sexual assault or harassment by an adjudicating institution (e.g., a university or professional society) should not participate in WOS events and could have their meeting participation revoked.

## **Reporting an Incident**

Any individual covered by this policy who believes that they have been subjected to harassment, notices that someone else is being harassed, or has any other concerns that an individual's behavior interferes with the intent of the conference should report the incident immediately.

We ask that individuals report breaches of this Code by emailing [WOS.COC.Reports@gmail.com](mailto:WOS.COC.Reports@gmail.com). The person reporting, who may be a complainant or witness, is not required or expected to discuss the concern with the alleged offender. All complaints will be treated seriously and reviewed promptly and may be investigated. Confidentiality concerning the person harassed and others made uncomfortable by the harassment will be prioritized, and actions may be taken to maintain their safety and comfort.

Tim O'Connell, Meg Hatch, Lindsey Walters and Jim Chace are the members of the CoC Committee that will review reports and handle them appropriately.

## **Disciplinary Action**

Individuals found to have engaged in behavior prohibited by this policy, as well as those making allegations of a breach of the Code in bad faith, will be subject to disciplinary action. The WOS Executive Committee may take any action they deem appropriate, including a verbal warning, ejection/prohibition from the specific activity in question (e.g., workshop, symposia or even the entire conference), banning them from future WOS conferences or partner society conferences, revoking membership in the Society, and /or to the reporting of their behavior to their employer and research funders.

## **Retaliation Is Prohibited**

The WOS will not tolerate any form of retaliation – including seeking to violate the confidentiality of a reporting individual – against individuals who file a complaint or assist in an investigation, nor any individuals suspected of doing so. Retaliation is a serious violation of this policy and, like any breach of the Code itself, will be subject to disciplinary action.

## **Questions & Appeal**

Any questions regarding this policy should be directed to Auriel Fournier ([auriel@illinois.edu](mailto:auriel@illinois.edu)), WOS 2022 Scientific Program Chair. In the event that an individual involved in any reported incident is dissatisfied with the disciplinary action, they may appeal to the WOS Executive Committee by emailing WOS President Tim O'Connell ([tim.oconnell@okstate.edu](mailto:tim.oconnell@okstate.edu)).

# Lactation Space

As we try to work to make the meeting as covid-safe as possible, this has prevented us from being able to provide a specific lactation space at the meeting. We ask that participants who need lactation space please use their hotel room. If that is not a feasible solution for you, please contact Auriel Fournier ([auriel@illinois.edu](mailto:auriel@illinois.edu)) to find another solution.

# Social Media Policy

WOS 2022 is a pro social media event; we actively encourage the sharing of conference content. Sharing ornithological science with the public via social media is one way to educate the public, which can only help the support of the science and its application.

WOS 2022 presenters are encouraged to include personal and/or project social media handles and project hashtags on slides (at least the opening/title slide, but recommended to use on all slides) and posters. For those without personal/project handles or hashtags, consider including the **conference hashtag** (#WOS2022) or a **social media icon** on slides to let people know you are supportive of them posting about your work on social media.

WOS 2022 presenters must **opt out** if they do not want their presentation or research to be featured in social media posts: this is best achieved by placing a “**no social media**” symbol on slides or materials. If presenters do not opt out in this manner, conference organizers and/or attendees can share published research presented at the conference without consent.

Please give credit to presenters/researchers whose presentation and/or research are featured in your post.

Anyone may participate in conversations on WOS 2022’s social media channels, but:

- The WOS has the right to delete posts or comments containing spam, irrelevant remarks, or items that do not align with the mission/integrity of the WOS.
- Personal attacks, promotion of violence or illegal activities, offensive material, or profanity will be deleted.
- The WOS reserves the right to ban users who violate this policy.

Conference attendees are expected to abide by the meeting code of conduct, and all those engaging on social media are asked to maintain **respect, courtesy, inclusivity, and support** in their conduct to ensure a safe, hospitable, and productive environment for all. Discrimination, harassment, and/or retaliation will not be tolerated. Additionally, it is **recommended** that presenters and those sharing on social media be mindful of how photos of birds (and other animals), especially birds in the hand, may appear to the public: are safe and taxonomically appropriate grips being used? Does the bird appear in any way to be stressed, disheveled, or in an unnatural position? Is it a “trophy shot” (prolonging handling time), or was it taken during banding and provides educational material such as molt? For further suggestions on sharing photos of birds in the hand, see the guidelines written by the North American Banding Council at <http://www.nabanding.net/photographic-guidelines/>.

# Symposiums

## July 18<sup>th</sup>

### **“Avian Research and Conservation in Pinyon-Juniper Woodlands of New Mexico”**

Organizers: Clint Boal ([clint.boal@ttu.edu](mailto:clint.boal@ttu.edu)) and Corrie Borgman ([corrie\\_borgman@fws.gov](mailto:corrie_borgman@fws.gov))

Pinyon-juniper woodlands are biologically important vegetation communities of the western United States, with the highest diversity of wildlife, highest density of nesting birds, and the highest number of bird species throughout the year over all other upland habitats in the West. Several species, such as Juniper Titmouse and Pinyon Jay, require pinyon-juniper woodlands and are species of substantial conservation concern. However, pinyon-juniper woodlands have undergone significant expansion and encroachment into predominantly grass and shrubland habitats over the last 100 years due to a history of overgrazing and fire suppression following western colonization. This creates a management challenge for federal and state agencies seeking to restore native habitats to pre-European settlement conditions while balancing the need to conserve avian species of conservation concern. This symposium will present current research focused on understanding pinyon-juniper obligate bird species in New Mexico, and management efforts being made to balance conservation with restoration goals.

## July 19<sup>th</sup>

### **“Moving the Needle on Avian Conservation in the Southwestern U.S.: Grand Challenges and Opportunities”**

Organizers: Gavin Jones ([gavinjones@unm.edu](mailto:gavinjones@unm.edu)) and Abby Lawson ([ajlawson@nmsu.edu](mailto:ajlawson@nmsu.edu))

The southwestern United States is home to an extraordinarily high diversity of birds, due in part to its diverse vegetation and topography. As such, it serves as a testing ground for conserving birds in a rapidly changing world. Climate change, drought, wildfire, and other environmental changes are magnified in this dry, warm region, challenging existing conservation paradigms. In this symposium, we give a broad overview of the issues surrounding bird conservation in the southwestern US, perspectives from various stakeholders in bird conservation, examples of scientific innovation and tool development, and how science-management partnerships can support bird conservation in a warming world.

# OVERVIEW

	Sunday July 17, 2022	Monday July 18, 2022	Tuesday July 19, 2022	Wednesday July 20, 2022
7			LGBTQIA+ and Allies Social	
8		Registration Opens		
9		Welcome and Opening Comments		
10			Equity, Diversity, Inclusion and Justice Workshop	
11				
1130		Concurrent Sessions	Lunch provided - Presentation/Poster Judges Meet	
12		Lunch Provided - Business Meeting		
1				
2			Concurrent Sessions	
		Concurrent Sessions	Break	
3		Break		
			Concurrent Sessions	
4			Margaret Morse Nice Plenary	
	Field Trips	Concurrent Sessions		
5	Registration Opens		Break	Field Trips
6	Meet the Editors	Dinner on your own		
7-9	Welcome Reception	Poster Session	Banquet	

Sunday, July 17

	Field Trip Details Here (TBD)	Registration Required
5pm	Registration Opens (Location TBD)	
6:00 PM		
	Meet the Editor (Location in Hotel TBD)	Come and meet the Wilson Journal of Ornithology Editor Ernesto Ruelas Inzunza, ask questions about the publication process in general, and how best to prepare manuscripts for WJO.
7-9pm	Welcome Reception (Location in Hotel TBD)	We're so excited to have you at WOS 2022! Come mingle with your fellow conference attendees, light food will be provided
8:30pm	Optional Presentation and Poster Judges Meeting	

Monday, July 18

**Bold Indicates a Student Presenter**

Time	Room A	Room B
8:00a	<b>Registration Opens</b>	
9:00a	<b>Welcome and Opening Comments</b>	
9:30am	Mason Cline, Erin Duvvuvui, John Stanek, and Elise Goldstei	Investigating piñon-juniper bird communities in New Mexico to inform conservation and management actions: reference condition occupancy, productivity, and habitat use
9:45am	<b>Ariana Rivera, Lucas J. Schilder, Clint Boal</b>	<b>Changes in avian community structure in response to prescribed thinning of pinyon-juniper woodlands.</b>
10:00a	<b>Tucker Davidson, Clint Boal, Corrie Borgman</b>	<b>Comparative nesting habitat and nest survival of avian communities in thinned and unthinned pinyon-juniper woodlands</b>
10:15a	Margaret Darr, Carol Beidleman, Patricia Cutler, Martha Desmond, Gail Garber, Kathy Granillo, Leslie Hay, Jonathan Hayes, Kristine Johnson, Marikay Ramsey, Christopher Rustay, Tice Supplee, Brent Thompson	Incorporating bird needs when thinning piñon-juniper woodlands
10:30a 10:45a	<b>BREAK</b>	
11:00a	Karlee D. Cork, Elizabeth A. Tidwell, Daniel H. Foley III, Ryan O'Shaughnessy, Ryan S. Luna	Montezuma Quail ( <i>Cyrtonyx montezumae</i> ) foraging in a pinyon-Juniper woodland
11:15a	<b>Bianca Sicich, Martha Desmond, Fitsum Abadi Gebreselassie</b>	<b>Influence of arthropod and habitat characteristics on foraging site selection of pinyon jays in southern New Mexico</b>
11:30a	Giancarlo Sadoti, Kristine Johnson	Improving pinyon jay distribution models by addressing scale and local habitat variation
11:45a	Corrie Borgman, John Stanek	Systematic surveys for the Pinyon Jay ( <i>Gymnorhinus cyanocephalus</i> ) on the Rio Grande del Norte National Monument of northern New Mexico
12:00p	Scott G. Somershoe	Integrating Pinyon Jay research and conservation with pinon-juniper woodland management.
12:15p	<b>WOS Buisness Meeting (Open to All) Followed by Lunch</b>	
	<b>Avian Research and Conservation in Pinyon-Juniper Woodlands of New Mexico</b>	
		Yuting Deng, Maria Carolina T. D. Belotti, Daniel R. Sheldon, Subhransu Maji, Jeffrey F. Kelly, Eiske Tielens, Wenlong Zhao, Zezhou Cheng, Victoria F. Simons, Kyle G. Horton
		Quantifying phenological trends in aerial insectivore roosting behaviors in the Great Lakes region using weather surveillance radar
	Savanah Emery, John Lewis, Laura Cook	Importance of urban parks as stopover sites for Ruby-throated Hummingbirds
	Marlene Walters, Eleanor S. Diamant, Felisha Wong, Christina Cen, Pamela J. Yeh	Urban dark-eyed juncos ( <i>Junco hyemalis</i> ) were less aggressive during the COVID-19 pandemic lockdown
	Rachel E Bockrath, Eric M Wood, Erin J Questad, Elizabeth SC Scordato	Patterns of avian community composition and seasonal shifts in an urban-agroecosystem
	<b>BREAK</b>	
	Brett L Hodinka, Tony D Williams	Is regulation of body mass, as an adjustment to workload, context-dependent? Natural annual and individual variation of mass in the European starling ( <i>Sturnus vulgaris</i> )
	Daniel Baron, Olya Milenkaya, J. Lindley McKay	Response of native birds to a novel competitor that utilizes nest predation is fierce, but rare
	Dylan Titmuss, Kristen M Covino, Mary Elizabeth Everett, Sarah J Courchesne	Temporal and within-pair patterns of aggression among breeding Great Black-backed Gulls
	Kathryn Inkrott, Kristen Covino, Francesca Foltz, Alessandra Waller	Investigating noninvasive methods of hormone quantification in Great Black-backed Gulls
	<b>Contributed Talks</b>	

Monday, July 18

1:30p	Nicholas R Vozza, Brian D Peer	My own worst enemy: does a host of an obligate brood parasite act to benefit the parasite?	Contributed Talks	Ashwin H. Sivakumar, Kyle G. Horton	Weather surveillance radar reveals avian migratory behavior on short high-latitude nights	Contributed Talks
1:45p	Juliana Villa, Jacob E. Dela Cruz, Alexander J. Di Giovanni, Daniel Hanley	Parasite-host directional selection between the common cuckoo and the great reed warbler		Esther M. Fernandez, Danielle J. Whittaker, Joel G. W. Slade	Migratory Dark-eyed Juncos ( <i>Junco hyemalis</i> ) have lower MHC class I diversity and higher parasite prevalence compared to resident subspecies.	
2:00p	Silas E Fischer, Kathy Granillo, Henry M Streby	Thirst trap: experimental evidence for drought-related fledgling mortality as a demographic bottleneck driving desert songbird declines		Cody Griffin, Janell M. Brush, Amy C. Schwarzer	Survival and site fidelity of wintering American Oystercatchers ( <i>Haematopus palliatus</i> ) along Florida's Nature Coast	
2:15p	Lindsey Biehler, Tricia Van Laar, Joel Slade	The role of constitutive and genetic innate immunity on salmonella in wild finches		Annika L. Abbott, Yuting Deng, Katie Badwey, Kyle G. Horton	Inbound Arrivals: Using weather surveillance radar to quantify the timing of spring trans-gulf bird migration	
2:30p	Dilini K. Abeyrama, Charles André Bost, Theresa M. Burg	Microgeographic genetic divergence of gentoo penguins and shags breeding on Kerguelen Island		John A Moretti, E. Johnson	Fossil wading birds from roland springs ranch locality 1 and plio-pleistocene avian biogeography in the great plains of North America.	
2:45p	Cheyenne R. Beach, Rebecca A. Cole, Joseph D. Lancaster, Aaron P. Yetter, Christopher N. Jacques, Heath M. Hagy, Auriel M.V. Fournier	Evaluation of selected physiological responses to sub-lethal <i>Cyathocotyle bushiensis</i> and <i>Sphaeridiotrema</i> spp. experimental infections in captive Lesser Scaup ( <i>Aythya affinis</i> )		Alex Sidare, Sara Morris	Are flight calls used for intraspecific or interspecific communication in two species of warblers?	
3:00p	<b>BREAK</b>					
330	James B. Lee, Daniel J. Vargo, John B. Bulger, Casey J. Cardinal, Matthew A. Boggie, Elise J. Goldstein, Abigail J. Lawson	Natural history and reintroduction of White-tailed Ptarmigan in New Mexico	Contributed Talks	Nuwanthika Perera, John Muller, Jeremy D. Ross	Analyzing flocking behaviors of wintering Chestnut-collared Longspurs in Oklahoma's grasslands	Contributed Talks
345	Abigail Muscat; Bik Wheeler; Elliot Johnston, Brian Olsen	Identifying umbrella species to inform the conservation of intertidal areas in Acadia National Park.		Sarah Winnicki, TJ Benson, Mark Hauber	Laying order, incubation behavior, and hatching synchrony in American Robins ( <i>Turdus migratorius</i> )	
4	Parmeet Kaur, Jen Owen, Joel Slade	The effect of MHC class I on West Nile virus infection in American Robins		Henry Streby, Silas Fischer, Eliot Berz, Gunnar Kramer, Patrick Ruhl, David Aborn, Rick Huffines	Are opposing population trends between sympatrically breeding wood-warblers associated with migratory connectivity?	
4:15	<b>Dinner on your own</b>					
7-9pm	<b>Poster Session</b>					

# Monday Evening Posters

**Bold Indicates a Student Presenter**

P1	Rachel H. Kaplan	Do European starlings exhibit pace-of-life syndromes along an urban-to-rural gradient?		P19	Drew Volpp-Garcia, Ramon Lomeli	The relationship between plumage coloration and immune gene diversity in male House Finches
P2	Christina Kolbmann, Jeff Kelly	American woodcock ( <i>Scolopax minor</i> ) courtship flight dynamics		P20	<b>Grace Trankina, Jeff Kelly, Kyle Horton</b>	<b>Quantifying change in artificial light at night during advisory lights out period and its effect on bird collisions in two Texas cities</b>
P3	Brendan Mulhall, M. Clay Green, James J. Giocomo	Population and parasitism rate estimates for Black-capped Vireos in Kickapoo Caverns State Park		P21	Andrea C. Trigueros, Patricia G. Parker	Limits on geographic range in non-native sparrows
P4	<b>Paula Cimprich, Andrew Boyce, Phillip Stepanian, Jeffrey F. Kelly</b>	<b>Comparison of optimal to measured flight behavior of Long-billed Curlews: Departure and flight altitude decisions for tailwind assistance.</b>		P22	Gonzalo De León-Girón, Irak Rodríguez-Hernández, Gorgonio Ruiz-Campos	Composition and abundance of owls in the Sierra de San Pedro Mártir National Park, Baja California, Mexico
P5	<b>Anmarie Sanderson, Todd J. Underwood</b>	<b>Diet of Long-eared Owls in southeastern Pennsylvania in a winter of deep snow cover</b>		P23	Ashutosh Singh	Causes of Indian Peafowl ( <i>Pavo cristatus</i> ) moving higher up in the mountains
P6	<b>Chrisula M Stone, Rebecka L Brasso, Lindsey A Walters</b>	<b>A bander's contribution to ecotoxicology: comparison of mercury concentration in feathers and blood of nesting Tree Swallows demonstrates feathers' suitability as a biomonitoring tool</b>		P24	<b>Tania Romero, Lauren Hill, Jayde Blaire, Kristen M. Covino, Walter H. Sakai, C. John Ralph</b>	<b>Spring migration at Bear Divide: a newly discovered diurnal concentration of passerine migrants utilizing a southern California mountain pass</b>
P7	<b>Megan Bunnenberg, Lindsey A Walters</b>	<b>Ambient temperature does not affect Eastern Bluebird male parental effort</b>		P25	<b>Tharindu Krishan, Sampath S. Seneviratne</b>	<b>Characterization of iris dichromatism in Sri Lanka Bush Warbler (<i>Elaphornis palliseri</i>)</b>
P8	Ivana Small, Isabella Lopez, Neysa Frechette	Tree Swallow nestling growth rates in the Ballona Wetlands		P26	Alva I. Strand, Jeffrey F. Kelly	Influence of functional traits on the sensitivity of aerial insectivores' migration timing to climate change
P9	Alicia T. Romero, Elisa J. Abeyta, Jadzia M. Rodriguez, Andrew W. Bartlow, Charles D. Hathcock, Jeanne M. Fair	The effects of environmental conditions on eggshell thickness of two North American secondary cavity-nesting birds		P27	<b>Kallista Stubblefield</b>	<b>The Influence of mercury exposure on development of a colorful plumage trait in Barn Swallows</b>
P10	<b>Chad Cremer, Auriel M.V. Fournier, Mike Ward</b>	<b>The use of Motus tracking system to investigate the migratory behavior of rails at local and regional scales</b>		P28	<b>Susannah Halligan, Auriel Fournier, Michael Schummer, Phil Lavretsky</b>	<b>Comparison of morphology and feeding efficiency between wild and game farm mallards</b>
P11	<b>Miguel F. Jimenez, Ali Khalighifar, Kyle G. Horton</b>	<b>Integrating landcover and varying spatial predictor lenses to enhance nocturnal bird migration forecasts</b>		P29	Kerri Cornell Duerr, Bradley Weaver	Tweetspeak: An interdisciplinary experience in ornithology and digital journalism for undergraduates
P12	<b>Jeffrey M Roth, Ben R Skipper</b>	<b>A molecular re-evaluation of Bewick's wren (<i>Thryomanes bewickii</i>) subspecies of New Mexico, Oklahoma, and Texas</b>		P30	Cathy Wise	Activating Community Scientists to Benefit Pinyon Jays
P13	Jeremy Kirchman, Nicholas Mason, Allison Shultz, John Bates, Carla Cicero	An inventory and directory of ornithological specimen collections in the Western Hemisphere		P31		
P14	Kathryn Ashton, Ashley Staab, Luke Stock;	Habituation of songbirds to vocal mimicry of Cooper's Hawk calls by Blue Jays			Auriel Fournier, Anne Bauer, Michael Brasher, Chris Butler, Wyatt Cheney, Robert Cooper, Warren Conway, Jim Cox, Nicholas Enwright, Kristine Evans, Karen Hondrick, Erik Johnson, Peter Kappes, Chelsea Kross, Joe Lancaster, Heather Levy, Jonathan Lueck, Jim Lyons, Lauren Monopoli, Jena Moon, Andy Nyman, Bob Rohli, Amy Schwarzer, Eric Soehren, Michelle Stantial, Hana Thurman, William Vermillion, Jennifer Wilson, Mark Woodrey.	NOAA Firebird: Fire Effects in Gulf of Mexico Marshes on Mottled Ducks, Black and Yellow Rails
P15	<b>Claire Jones, Ariana Abbrescia, Brittany Coppinger, Robert L. Curry</b>	<b>Persistent genotype-repertoire mismatch in dawn chorus songs of hybrid-zone chickadees</b>				
P16	Margret I. Hatch, Robert J. Smith, Anne Royer	Sex and age differences in feather mite prevalence and intensity in seven migratory songbirds				
P17	<b>Marquette J Mutchler, Robb T Brumfield, Bruna Mirely Da Costa, Anna E Hiller, Gisiane Lima, Bianca S Matinata, Jessie F Salter, Marco Antonio Rego, Donna C Schmitt, Ashley Schoonmaker, Glaucia Del-Rio</b>	<b>The Juruá River as a barrier for different populations of <i>Myrmoborus myotherinus</i></b>				
P18	<b>Shane A. McFoy, Michael D. Rowley, David A. Kozlovsky, Breanna L. Bennett, Eli S. Bridge, Brittany A. Coppinger, Robert L. Curry</b>	<b>Assessing hybrid chickadee cognitive impairment in the wild</b>				

<b>Tuesday, July 19</b>			
<b>Bold indicates a Student Presenter</b>			
	Room A		Room B
7:00a	<b>LGBTQIA+ and Allies Social (Pre-registration required)</b>		
8:00a	<b>DEI Group Discussion Workshop</b>		
<p>Making ornithology and avian conservation a welcoming, inclusive, and equitable field of study is the task of every member of this meeting and of WOS. All of us have areas where we need to be better informed in how to understand the experience of our colleagues, as well as how to lead teams, and design science and conservation projects. The goal of this workshop is to provide conference attendees with an opportunity to ask questions and learn, in a way that is not always widely available. This workshop will consist of 5 time periods where participants can participate in group discussions on specific topics related to making ornithology and avian conservation a more equitable and inclusive place to study and work. Group discussions will be lead by one or more individual who will share from their expertise and lived experience and facilitate a discussion about the specific topic. We hope this will provide participants with an opportunity to ask questions, as well as listen and learn from their group leaders, and each other. Each group will meet in each time slot, and there will be short breaks between each discussion for participants to move to a new group. Topics that will be included in this year's workshop: Ornithology without a degree (led by Tykee James), Being Trans or Non-Binary in Ornithology (led by Jess McLaughlin), Being a parent in Ornithology (led by Kristen Covino and Rebecca Heisman), Unpaid Work in Ornithology (led by Auriel Fournier), Bird Names for Birds (led by Jordan Rutter). We recognize that these topics are not exhaustive or fully representative of the many topics and intersections that are a part of making ornithology and avian conservation a more inclusive and equitable place, and we hope to have similar events in the future that cover even more important subjects.</p>			
11:30a	<b>Lunch Break - Presentation/Poster Judges Meet</b>		

Tuesday, July 19

12:45p	Tad Theimer	Context and history of bird conservation in the southwestern USA	Moving the Needle on Avian Conservation in the Southwestern U.S.: Grand Challenges and Opportunities	Evan Buechley, Megan Murgatroyd, Alazar Daka Ruffo, Rebecca C. Bishop, Tara Christensen, Pater P. Marra, T. Scott Sillett, Cagan H. Sekercioglu	Declines in scavenging by endangered vultures in the Horn of Africa	Contributed Talks
1:00p	Bryan Bird	Moving the needle on avian conservation in the southwestern US: grand challenges and opportunities		Ernesto Ruelas Inzunza	The bird and plant frugivory network of a Neotropical periurban park lacks fundamental structure and organization features	
1:15p	Serra J. Hoagland, Steve Albert, Caleb Hickman	Indigenous initiatives and issues		Ashley V Staab, Luke Stock, Kathryn Ashton, Joanna Hubbard	Effects of vocal mimicry of Cooper's hawk ( <i>Accipiter cooperii</i> ) calls by blue jays ( <i>Cyanocitta cristata</i> ) on competing songbirds	
1:30p	Shaula J. Hedwall	Regulation + Collaboration = Conservation: Working Together to Conserve Species in a Complex Social and Ecological Environment		Brittany A. Coppinger	Conspecific and heterospecific effects on call complexity in Carolina Chickadees ( <i>Poecile carolinensis</i> )	
1:45p	Jamie Sanderlin, Gavin Jones, Valerie Stein Foster, Rene Guaderrama, David Hawksworth, Brenda Strohmeier, Connor Wood, Damon Lesmeister	Innovations for biodiversity monitoring using acoustic methods in the southwestern US		Jason D. Luscier	CatTracker 2.0: A Mobile App for Gathering Community Science Data on Free-roaming Domestic Cats	
2:00p	Ana Miller-ter Kuile, Jamie S. Sanderlin, Victoria A. Saab, Jonathan G. Dudley, Marilyn Wright, Kiona Ogle, Valerie Stein-Foster, Ariel Leonard	Data integration to inform bird conservation and habitat management in the Southwest United States		BREAK		
2:15p	BREAK			BREAK		
2:30p	Gavin M. Jones, Andrew Shirk, Zhiqiang Yang, Sam Cushman	"Living maps": Automated habitat monitoring systems for avian conservation		Ali Khalighifar, Miguel F. Jimenez, Caroly S. Burt, Andrew S. Fox, Hank C. Jenkins-Smith, Jeffrey F. Kelly, Carol L. Silva, Grace Trankina, Kyle G. Horton	Data-intensive ecological forecasting systems show strong potential to advance aeroconservation of migratory birds	
2:45p	Abby Lawson, Janice H. Gardner, James E. Lyons, Clark S. Rushing, Michelle L. Stantial, Mike C. Runge	Value-added conservation: Prioritizing critical uncertainties in avian conservation using value of information		Nathan D. Van Schmidt, Elizabeth K. Orning, Bryan C. Tarbox, Cameron A. Aldridge, Peter S. Coates, Mark A. Ricca, Julie A. Heinrichs	Simulating greater sage-grouse habitat selection and demographic response to restoration actions following wildfire	
3p	Leslie Hay, Becky Kirby	Don't just wing it: effective use of science-management partnerships		Jonathan P. Harris, Loren M. Smith, Scott T. McMurry	Using Thresholds to Resolve Conflicting Habitat Management Strategies for Loggerhead Shrikes and Gray Vireos in central New Mexico	
3:15p				Anna M. Forsman, Brandon D. Hoenig, Stephanie A. Gaspar, Jason D. Fischer, Joe Siegrist, Kevin Fraser	Fecal Forensics: Evaluating metabarcoding primers for characterizing diet composition of the insectivorous Purple Martin ( <i>Progne subis</i> )	
3:30p	Panel Discussion		Maria Carolina, T. D. Belotti, Yuting Deng, Wenlong Zhao, Victoria F. Simmons, Zezhou Cheng, Gustavo Perez, Aroma Rodrigues, Elske Tielens, Subhransu Maji, Daniel Sheldon, Jeffrey F. Kelly, Kyle G. Horton	Long-term analysis of persistence and size of Purple Martin ( <i>Progne subis</i> ) roosts in the US Great Lakes		
3:45p	BREAK					
4p	Plenary by Margaret Morse Nice Award Winner, Dr Chris Rimmer "Bicknell's Thrush: Scientific surprises and conservation connections across the hemisphere."					
5:00p	BREAK					
6:00p	Award Ceremony (Open to All) followed by Banquet (included in student registration - all others need to purchase separate ticket at registration)					



# Virtual Conference Day - July 25th

Eastern (UTC-4)		Location
12:00-1:30 pm	Welcome & Social/Trivia Hour	Zoom
1:30-3:00 pm	How to get into grad school workshop	