

## Why We Should Act Now in Defense of Wolves

*An open letter to President Joseph R. Biden, Hon. Secretary of the Interior Deb Haaland, and U.S. Fish and Wildlife Service Principal Deputy Director Martha Williams*

On July 1, the state of Idaho will begin an eradication campaign to slash the state's recovering wolf population from an estimated 1,500 wolves to 150. This intervention, approved by the state's legislature and signed by its governor, authorizes the use of bounties, traps, snares, night raids, hunting hounds, and even the killing of nursing pups and mothers in their dens. Such practices contradict 21<sup>st</sup> century conservation management that stresses the benefit of returning natural predators to the landscape, which in turn restores functioning ecosystems. This kill is to be undertaken despite widespread evidence that wolves pose no threat to the region's livestock industry and that non-lethal control remains the most effective means to reduce potential conflict with ranching interests. It is an act that is not only likely to be ineffective, even counterproductive, but will result in renewed persecution of a keystone species in the region's ecosystem.

Weeks after the Idaho legislature acted, Montana passed similar legislation seeking to eradicate 85% of that state's wolf population. And Wyoming still allows wolves to be killed across nearly 90% of the state. These decisions erase any chance of continued recovery of these wolf populations<sup>1</sup>.

Action is needed now to prevent the killing of wolves and reinstate sound policy to ensure their protection and continued recovery. We the undersigned request the Biden Administration to: a) enact an emergency re-listing of the Northern Rockies wolf population to the Endangered Species Act; b) designate a fact-finding blue-ribbon panel of scientists and wildlife policy experts to examine the scientific validity of the interventions proposed by the three state legislatures and to explore alternatives to lethal control; and c) support a *National Bison, Grizzly, and Wolf Restoration Act* to guarantee conservation of such keystone species in perpetuity. A central tenet of this new act would recognize that, without the wildlife that is naturally part of it, there is no true protection for any place on Earth.

The actions taken by Idaho, Montana, and Wyoming stand in sharp contrast to the milestone achieved twenty-six years ago when the American public celebrated the

---

<sup>1</sup> US Fish and Wildlife Service. "[Endangered and threatened wildlife and plants; final rule to identify the northern Rocky Mountain population of gray wolf as a distinct population segment and to revise the list of endangered and threatened wildlife.](#)" *Federal Register* 74.62 (2009): 15123-15188.

reintroduction of wolves to the Northern Rockies region in Yellowstone National Park and central Idaho. The U.S. Department of Interior invested millions of taxpayer dollars to restore wolf populations that had dwindled to the point of local extinction in the Northern Rockies. This reintroduction and subsequent recovery were heralded as a conservation triumph and won the U.S. government international acclaim for preventing a species from going extinct while reestablishing its role as a keystone species in the region's ecology. Yet now, without significant cause, the State of Idaho and subsequently Montana and Wyoming are breaking their agreement to manage wolves responsibly and instead seek to reverse the recovery.

We view the new state-sponsored wolf control laws as: 1) a major setback for wildlife recovery in North America; 2) a misinformed and short-sighted policy that lacks scientific credibility and disregards successful, non-lethal mitigation measures to promote human-wolf coexistence; and 3) a decision by three states that runs counter to modern-day wildlife management and to the will of much of the American people who value wolves.

First, this issue places wildlife conservation in the United States at a crossroads. Through extermination programs sponsored by the federal government, bounty hunters had pushed wolf populations to regional extinction by the 1930s. The collapse of natural wolf populations had a destabilizing effect on ecosystems, illustrating that the wolf's survival was closely linked to a sustainable environment<sup>2</sup>. It was only after three decades of vigorous conservation efforts since the 1970s—largely funded by taxpayers—that wolf populations began to recover and re-occupy 10% of its historic range in the continental United States<sup>3</sup>. In Idaho, it was the Nez Perce tribe that served as the wolf restoration team monitoring the radio-collared wolves to help track their recovery. These efforts have been heralded around the world as a major victory. To allow three states to dismantle decades of recovery efforts will set back wildlife conservation in the western United States by decades, and it will discredit our nation's leadership in championing international recovery efforts, such as the forward-thinking initiative of protecting 30% of the U.S. and the Earth by 2030.

Second, the new policies that Idaho, Montana, and Wyoming have recently adopted were hastily concocted and ignore the scientific literature on wolf biology and management. Multiple field studies have concluded that large-scale wolf removal fails to reduce livestock losses in areas of recurring conflict. In fact, the killing of wolves destabilizes packs, limits their ability to take down natural prey, and ultimately leads to increased livestock depredation<sup>4</sup>. There are well-tested formulas for wolf management that promote

---

<sup>2</sup> Frank, Douglas A. "[Evidence for top predator control of a grazing ecosystem.](#)" *Oikos* 117.11 (2008): 1718-1724.

<sup>3</sup> Mladenoff, David J., and Theodore A. Sickley. "[Assessing potential gray wolf restoration in the northeastern United States: a spatial prediction of favorable habitat and potential population levels.](#)" *The Journal of wildlife management* (1998): 1-10.

<sup>4</sup> Bergstrom, Bradley J., et al. "[License to kill: reforming federal wildlife control to restore biodiversity and ecosystem function.](#)" *Conservation Letters* 7.2 (2014): 131-142.

harmonious coexistence of viable wolf populations and livestock without resorting to indiscriminate killing. Ironically, one of the most successful examples has been running for over a decade in Idaho, the Wood River Wolf Project<sup>5</sup>. This project is a collaboration of community members, livestock producers, NGOs, and county, state, and federal agencies whose mission is to promote wolf-livestock coexistence. Since 2008, the project has demonstrated in a 282,600-acre area around the Sawtooth National Forest that non-lethal deterrents are effective at protecting livestock, wolves, and other native predators. Using non-lethal methods with only one exception in its 14-year history, the sheep producers in the Wood River Wolf Project lost only an average of five sheep out of 20,000 annually grazed in wolf range, a loss rate up to 90% lower than other grazing areas where lethal control of wolves was prevalent. Costs associated with the project's annual budget average \$3 per sheep.

Third, the scientific literature provides ample evidence of how vibrant large mammal populations are key to the restoration and maintenance of healthy ecosystems<sup>6</sup>. The presence of viable wolf populations has been shown to influence carbon sequestration processes and therefore plays an important role in climate stabilization<sup>7</sup>. The culling of species that serve as our natural ecosystem engineers is in direct opposition to the protection of America's natural heritage and an affront to the spirit of the UN declaration of the 2020s as the Decade on Ecosystem Restoration. Without the presence of key species in numbers, we are merely conserving scenery and not functioning ecosystems. Instead of exterminating wolves, we as a nation should be laying the groundwork for a *National Bison, Grizzly Bear, and Wolf Restoration Act*, similar to the *Bald and Golden Eagle Protection Act* of 1940. This proposed act is gaining broad support, including from Tribal groups. The goal of such a new act would be to sustain the gains achieved in recovery and ensure the long-term persistence of America's most iconic large mammals. It would be a national act, with scientific underpinnings, that would avoid the arbitrary rulings of particular states and would coordinate wildlife policy, including for species whose home ranges cross state boundaries.

A growing number of North American scientists have signed this letter to stand up for wolves in Idaho that have no voice in their own future. But international scientists are watching what is happening in the Rocky Mountains and have joined with their U.S. counterparts to lend their voices to this letter. **We ask you to act now:** stand with the scientists and the American people who favor wolf conservation, reinforce the efforts of Indigenous peoples to protect our precious wildlife, and implement a vision where the diversity and abundance of life on Earth are secure<sup>8</sup>.

---

<sup>5</sup> Stone, Suzanne A., et al. "[Adaptive use of nonlethal strategies for minimizing wolf–sheep conflict in Idaho.](#)" *Journal of Mammalogy* 98, no. 1 (2017): 33-44.

<sup>6</sup> Ripple, William J., et al. "[Status and ecological effects of the world's largest carnivores.](#)" *Science* 343.6167 (2014).

<sup>7</sup> Wilmers, Christopher C., and Oswald J. Schmitz. "[Effects of gray wolf-induced trophic cascades on ecosystem carbon cycling.](#)" *Ecosphere* 7.10 (2016): e01501.

<sup>8</sup> Dinerstein, E., et al. "[A “Global Safety Net” to reverse biodiversity loss and stabilize Earth's climate.](#)" *Science advances* 6.36 (2020): eabb2824.

## **Drafters and Media Contacts:**

**Eric Dinerstein, PhD**  
RESOLVE  
Cabin John, MD, USA  
[edinerstein@resolve.ngo](mailto:edinerstein@resolve.ngo)

**Suzanne Asha Stone, MA**  
International Wildlife Coexistence Network  
Boise, ID, USA  
[suzanne@wildlifecoexistence.org](mailto:suzanne@wildlifecoexistence.org)

**Carly Vynne, PhD**  
RESOLVE  
Seattle, WA, USA  
[cvynne@resolve.ngo](mailto:cvynne@resolve.ngo)

## **Early Supporters Include:**

**Jane Goodall, DBE, PhD**  
Jane Goodall Institute & UN Messenger  
of Peace  
London, United Kingdom

**E. O. Wilson, PhD**  
Harvard University  
Lexington, MA, USA

**Daniel M. Ashe, MS**  
Association of Zoos and Aquariums  
Former Director, US Fish and Wildlife  
Service (2011-2017)  
Rockville, MD, USA

**George Schaller, PhD**  
Wildlife Conservation Society  
West Lebanon, NH, USA

**Iain Douglas-Hamilton, CBE, PhD**  
Save the Elephants  
Nairobi, Kenya

**Thomas Lovejoy, PhD**  
George Mason University  
Fairfax, VA, USA

**Stuart Pimm, PhD**  
Duke University  
Durham, NC, USA

**Prof. Luigi Boitani**  
IUCN SSC Large Carnivore Initiative, Europe  
Rome, Italy

**Reed Noss, PhD**  
Florida Institute for Conservation Science  
Melrose, FL, USA

**Stephen Woodley, PhD**  
IUCN World Commission on Protected Areas  
Chelsea, QC, Canada

**Marcie Carter, MS**  
Nez Perce Tribe Wildlife Program  
Lewiston, ID, USA

**Bob Crabtree, PhD**  
Yellowstone Ecological Research Center  
Bozeman, MT, USA

**Roy Heberger, MS**  
US Fish and Wildlife Service (Retired)  
Boise, ID, USA

**Mark R. Johnson, DVM**  
Global Wildlife Resources  
Freeland, WA, USA

**Wayne E. Melquist, PhD**  
Idaho Dept. of Fish and Game (Retired)  
Port Angeles, WA, USA

**Carter C. Niemeyer**  
US Fish and Wildlife Service (Retired)  
Boise, ID, USA

**Joel Berger, PhD**  
Colorado State University  
Fort Collins, CO, USA

**Rodolfo Dirzo, PhD**  
Stanford University  
Mountain View, CA, USA

**Andrew Dobson, PhD**  
Princeton University & Santa Fe Institute  
Princeton, NJ, USA

**William F. Laurance, PhD**  
James Cook University  
Queensland, Australia

**Jens-Christian Svenning, PhD**  
Aarhus University  
Aarhus, Denmark

**James E.M. Watson, PhD**  
University of Queensland  
Brisbane, Australia

**Don R. Church, PhD**  
Re:wild  
Stockholm, Sweden

**Adrian Forsyth, PhD**  
Andes Amazon Fund  
Washington, DC, USA

**Rodney M. Jackson, PhD**  
Snow Leopard Conservancy  
Sonoma, CA, USA

**Peter A. Lindsey, PhD**  
Lion Recovery Fund  
Harare, Zimbabwe

**Howard Quigley, PhD**  
Panthera  
Palouse, WA, USA

**Wes Sechrest, PhD**  
Re:wild  
Austin, TX, USA

**Chris Thouless, PhD**  
Elephant Crisis Fund  
Timau, Kenya

**Malcolm L. Hunter, Jr., PhD**  
University of Maine  
Amherst, ME, USA

**William Ripple, PhD**  
Oregon State University  
Corvallis, OR, USA

**Arian D. Wallach, PhD**  
University of Technology, Sydney  
Sydney, Australia

**Stuart Butchart, PhD**  
BirdLife International  
Cambridge, United Kingdom

**Peter G. Cutter, PhD**  
NatureServe  
Boulder, CO, USA

**Kathleen Gobush, PhD**  
University of Washington  
Seattle, WA, USA

**K. Ullas Karanth, PhD**  
Center for Wildlife Studies, India  
Bangalore, India

**David Olson, PhD**  
World Wildlife Fund – Hong Kong  
Hong Kong SAR

**Christof Schenck, PhD**  
Frankfurt Zoological Society  
Frankfurt, Germany

**Gary Tabor, DVM**  
IUCN WCPA Connectivity Conservation  
Specialist Group  
Bozeman, MT, USA

**Mathias Tobler, PhD**  
San Diego Zoo Wildlife Alliance  
Escondido, CA, USA

## **Full List of Signees (Updated December 12, 2021)**

**Kenneth P. Able, PhD**  
University at Albany, State  
University of New York  
McArthur, CA, USA

**James R. Allan, PhD**  
Koobi Carbon  
Nairobi, Kenya

**Ann Allen, PhD**  
Honolulu, Hawaii, USA

**Jacob Allgeier, PhD**  
University of Michigan  
Ann Arbor, MI, USA

**Irith Aloni, PhD**  
Bar-Ilan University  
Ramat Gan, Israel

**Anish Andheria, PhD**  
Wildlife Conservation Trust  
Mumbai, India

**Brian S. Arbogast, PhD**  
University of North Carolina  
Wilmington  
Wilmington, NC, USA

**Miguel Armella, PhD**  
Mexican Wolf SSP Education  
Advisor for Mexico  
Mexico City, Mexico

**Andrea Ayala, PhD**  
Yale University  
New Haven, CT, USA

**Catherine Badgley, PhD**  
University of Michigan  
Ann Arbor, MI, USA

**Jonathan Baillie, PhD**  
Washington, DC, USA

**Bonnie A. Baird, Ph.D.**  
Woodland Park Zoo  
Seattle, WA, USA

**C. Scott Baker, PhD**  
Oregon State University  
Oregon, USA

**Rob Baldwin, PhD**  
Clemson University  
Central, SC, USA

**Mairin Balisi, Ph.D.**  
Natural History Museum of  
Los Angeles County  
Los Angeles, CA, USA

**Erika L. Barthelmess, Ph.D.**  
St. Lawrence University  
Canton, NY, USA

**Regina S. Baucom, PhD**  
Dept of Ecology and  
Evolutionary Biology,  
University of Michigan  
Ann Arbor, MI, USA, USA

**Bruce M. Beehler, PhD**  
American Bird Conservancy  
Bethesda, MD, USA

**Paul Beier, PhD**  
Center for Large Landscape  
Conservation  
Flagstaff, AZ, USA

**Dror Ben-Ami, PhD**  
Israel

**Matthew V. Bender, PhD**  
The College of New Jersey  
Ewing, NJ, USA

**Elizabeth L. Bennett, PhD**  
New York, NY, USA

**Natasha Beranek, PhD**  
Cincinnati, OH, USA

**Peter Berendzen, Ph.D.**  
University of Northern Iowa  
Cedar Falls, IA, USA

**Bradley J. Bergstrom, PhD**  
Valdosta State University  
Valdosta, GA, USA

**Jared Bernard, PhD (Cand.)**  
University of Hawaii  
Honolulu, HI, USA

**Robert L. Beschta, PhD**  
Oregon State University  
Corvallis, OR, USA

**Júlio César Bicca-Marques,  
PhD**  
PUCRS, Brazil  
Porto Alegre, RS, Brazil

**C.Can Bilgin, PhD**  
METU  
Ankara, Turkey

**Daniel T. Blumstein, PhD**  
University of California, Los  
Angeles  
Los Angeles, CA, USA

**Wiebke Boeing, PhD**  
New Mexico State University  
Las Cruces, NM, USA

**Emily M. Booth, PhD**  
Philadelphia, PA, USA

**Amos Bouskila, PhD**  
Beer-Sheva, Israel

**Alice Boyle, PhD**  
Kansas State University  
Manhattan, KS, USA

**William T. Bridgeland, PhD**  
Gardiner, MT, USA

**Nicholas Brokaw, PhD**  
San Juan, Puerto Rico

**Rebecca D. Burdine, PhD**  
Princeton University  
Princeton, NJ, USA

**Robyn J. Burnham, PhD**  
University of Michigan  
Chelsea, MI, USA

**Richard Bykowski, Ph.D.**  
Georgia State University  
Atlanta, GA, USA

**Shane C. Campbell-Staton, PhD**  
Princeton University  
Princeton, NJ, USA

**Ryan Carney, PhD**  
University of South Florida  
Tampa, FL, USA

**Eve T. Bohnett, PhD**  
San Diego, CA, USA

**Louise Boronyak, PhD**  
University of Technology  
Sydney  
Sydney, Australia

**Charlotte Boyd, PhD**  
IUCN  
London, UK

**Annie M. Bracey, PhD**  
Duluth, MN, USA

**Jenn Brisson, PhD**  
University of Rochester  
Rochester, NY, USA

**Caleb M. Bryce, PhD**  
University of California, Santa Cruz  
Bend, OR, USA

**Neil David Burgess, PhD**  
University of Copenhagen  
Copenhagen, Denmark

**Cole Burton, PhD**  
University of British Columbia  
Vancouver, BC, Canada

**Neade Cadot, PhD**  
Harris Center for Conservation Education  
New Hampshire, USA

**Kristin Carden, PhD**  
Bozeman, MT, USA

**Lynn L Carpenter, PhD**  
University of Michigan  
Ann Arbor, MI, USA

**Kimberly J. Bolyard, PhD**  
Bridgewater College  
Bridgewater, VA, USA

**Matthew Borths, Ph.D.**  
Duke University  
Durham, NC, USA

**Brad L Boyle, PhD**  
University of Arizona  
Tucson, AZ, USA

**Angela Brennan, PhD**  
University of British Columbia  
Vancouver, BC, Canada

**Kelsey C. Brock, PhD (Cand.)**  
Bishop Museum  
Honolulu, HI, USA

**Kristin E. Brzeski, PhD**  
Michigan Technological University  
Houghton, MI, USA

**Tormod V. Burkey, PhD**  
Center for Ecological and Evolutionary Synthesis,  
University of Oslo  
Oslo, Norway

**Eliana Bustos, Ph.D.**  
Bogotá, Colombia

**William B. Campbell, PhD**  
Redmond, WA, USA

**Kristin N. Carden, PhD**  
Center for Biological Diversity  
Bozeman, MT, USA

**Richard W. Carroll, PhD**  
WWF  
Cary, NC, USA

**Neil H. Carter, PhD**  
University of Michigan  
Ann Arbor, MI, USA

**Irene Castañeda, PhD**  
Bordeaux, France

**Carolina Castañeda, Ph.D.**  
Bogotá, Colombia

**Megan E. Cattau, PhD**  
Boise, ID, USA

**Maria Cavedon, PhD**  
Calgary

**Michelle Cawthorn, PhD**  
Statesboro, GA, USA

**Gerardo Ceballos, PhD**  
Univerisdad Nacional  
Autonoma de Mexico  
Toluca, Mexico

**Kai M. A. Chan, PhD**  
University of British Columbia  
Vancouver, BC, Canada

**Michelle Chandler, Ph.D.**  
Statesboro, GA, USA

**Colin Chapman, PhD**  
George Washington University  
Alexandria, VA, USA

**Jaime A. Chaves, PhD**  
San Francisco State University  
San Francisco CA, USA

**Cuauhtémoc Chávez, PhD**  
Specialist Group  
Lerma, Mexico

**Sandra Chingate, Ph.D.**  
Bogotá, Colombia

**David J. Chivers, ScD  
(Cantab)**  
University of Cambridge  
Cambridge, UK

**Morgan Christman, PhD  
(Cand.)**  
Utah State University  
Logan, UT, USA

**John A. Cigliano, PhD**  
Cedar Crest College and  
Schoodic Institute  
Allentown, PA, USA

**Aimee Classen, PhD**  
Michigan, USA

**Tammy Cloutier, PhD**  
Kennebunk, ME, USA

**D. Liane Cochran-Stafira,  
PhD**  
Saint Xavier University  
Chicago, IL, USA

**Shelley Coldiron, PhD**  
W.O.L.F. Sanctuary  
Whitefish, MT, USA

**R. Max Collignon, PhD**  
USDA-ARS  
Hilo, HI

**Pete Coppolillo, PhD**  
Working Dogs for  
Conservation  
Bozeman, MT, USA

**Liliana Cortés-Ortiz, PhD**  
University of Michigan  
Ann Arbor, MI, USA

**DANIEL COSTA, PhD**  
University of California at  
Santa Cruz  
Santa Cruz, CA, USA

**Orin Courtenay, PhD**  
University of Warwick  
Warwick, UK

**Michael V. Cove, Ph.D.**  
Raleigh, NC, USA

**Michael J. Cramer, Ph.D.**  
University of Notre Dame  
South Bend, IN, USA

**Jarret Crawford, PhD**  
The College of New Jersey  
Hopewell, NJ, USA

**Theresa M. Crimmins, PhD**  
University of Arizona  
Tucson, AZ, USA

**Kevin Crooks, PhD**  
Colorado State University  
Fort Collins, CO, USA

**Paula Croonquist, PhD**  
Minneapolis, MN, USA

**Michael G. Cullen, PhD**  
Frederick, MD, USA

**Melanie Culver, PhD**  
Tucson, AZ, USA

**Jean P. d'Huart, PhD**  
IUCN/SSC  
Beauvechain, Belgium

**Christian A. d'Orgeix, PhD**  
Virginia State University  
Petersburg, VA, USA

**Lisa Dabek, Ph.D.**  
Woodland Park Zoo  
Seattle, WA, USA



**Ben Dantzer, PhD**  
Ann Arbor, MI, USA

**Sam L. Davis, PhD**  
Dayton, OH, USA

**Brian W. Davis, PhD**  
Texas A&M University  
College of Veterinary  
Medicine  
College Station, TX, USA

**Sarah Dawson, PhD**  
Lancaster, PA, USA

**Paul Dayton, PhD**  
Scripps Institution of  
Oceanography  
Solana Beach, CA, USA

**Hans de Iongh, PhD**  
Leiden University, University  
of Antwerp, Leo Foundation  
Wageningen, The Netherlands

**Alexandra DeCandia, PhD**  
Georgetown University  
Washington, DC, USA

**Paula Decker, PhD**  
Ogden, UT, USA

**Simon Dedman, PhD**  
Stanford University  
San Carlos, CA, USA

**Kathleen S. Delaney, PhD**  
National Park Service  
Northridge, CA, USA

**Roxanna Delima, PhD**  
Vancouver, BC, Canada

**Dominick A. DellaSala, PhD**  
Wild Heritage, Earth Island  
Institute  
Talent, OR, USA

**James W. Demastes, Ph.D.**  
University of Northern Iowa  
Cedar Falls, IA, USA

**Terrence C. Demos, Ph.D.**  
The Field Museum  
Chicago, IL, USA

**Danaan L. DeNeve Weeks,  
PhD**  
Spokane, WA, USA

**Terry Derting, Ph.D.**  
Murray, KY, USA

**Danelle Devenport, PhD**  
Princeton University  
Princeton, NJ, USA

**Erin Dilger, PhD**  
University of Warwick  
United Kingdom

**Andrew Dobson, PhD**  
Princeton University  
Princeton, NJ, USA

**Marit Doshi, PhD**  
UC Berkeley Cooperative  
Extension  
Berkeley, CA, USA

**Iain Douglas-Hamilton, PhD**  
Nairobi, Kenya

**Carlos A Driscoll, DPhil**  
Galton Corp.  
Frederick, MD, USA

**Jennifer M. Duggan, Ph.D.**  
Marina, CA, USA

**Melissa B. Duhaime, PhD**  
University of Michigan  
Ann Arbor, MI, USA

**Ravit G. Duncan, PhD**  
Rutgers University  
New Brunswick NJ, USA

**Ian M. Dutton, PhD**  
Hobart, Tasmania, Australia

**Stephanie Eby, PhD**  
Northeastern University  
Boston, MA, USA

**Lori Eggert, PhD**  
University of Missouri,  
Columbia  
Columbia, MO, USA

**Eduardo Eizirik, PhD**  
PUCRS, Brazil  
Porto Alegre, Brazil

**Mark Elbroch, PhD**  
Panthera  
Sequim, WA, USA

**Kenneth Elgersma, Ph.D.**  
University of Northern Iowa  
Cedar Falls, IA, USA

**Lisa Ely, PhD**  
Thorp, WA, USA

**John C. Emerick, PhD**  
Colorado School of Mines  
Redstone, CO, USA

**Arthur Endsley, Ph.D.**  
University of Montana  
Missoula, MT, USA

**Barbara E. Engelhardt, PhD**  
Princeton University  
Princeton, NJ, USA

**Jhon Fredy Escobar Soto, Ph.D.**  
Corporación Universitaria  
Remington  
Medellín, Colombia

**Anna B. Estes, PhD**  
Carleton College  
Tanzania

**Harold N Eyster, PhD**  
Burlington, VT, USA

**Paul J. Ferraro, PhD**  
Johns Hopkins University  
Baltimore, MD, USA

**Thomas L. Fleischner, PhD**  
Prescott, AZ, USA

**Christian Floyd, PhD**  
University of Rhode Island  
South Kingstown, RI, USA

**Nicole Foley, PhD**  
Texas A&M University  
College Station, TX, USA

**Adrian B. Forsyth, PhD**  
Andes Amazon Fund  
Washington, DC, USA

**Suzanne C. Fouty, PhD**  
Baker City, OR, USA

**Laurent Frantz, PhD**  
Germany

**Sara M. Freeman, PhD**  
Utah State University  
Logan, UT, USA

**Curtis Freese, PhD**  
Tucson, AZ, USA

**Grace Freundlich, PhD**  
Logan, UT, USA

**Jesualdo A. Fuentes-Gonzalez, Ph.D.**  
The University of Alabama  
Tuscaloosa, AL, USA

**W. Chris Funk, PhD**  
Colorado State University  
Fort Collins, CO, USA

**Margaret H Fusari, PhD**  
UCSC retired  
Tucson AZ, USA

**James A. Gagnon, PhD**  
University of Utah  
Salt Lake City, UT, USA

**Molly E. Gallagher, PhD**  
Atlanta, GA, USA

**Fabricio Garcez, PhD**  
São Luis - Maranhão, Brazil

**Matthew Garcia, PhD**  
University of Wisconsin-  
Madison  
Madison, WI, USA

**Stephen J. Gaughran, PhD**  
Princeton University  
Princeton, NJ, USA

**John J. Gaynor, PhD**  
Montclair State University  
Montclair, NJ, USA

**Berihun Gebremedhin, PhD**  
Oslo, Norway

**Melina Giakoumis, PhD (Cand.)**  
The City University of New  
York  
New York, NY, USA

**Thomas Gillespie, PhD**  
Geography, UCLA  
Los Angeles, CA, USA

**Mark Gillingham, PhD**  
University of Oviedo, Spain  
Oviedo, Spain

**Anthony J. Giordano, PhD**  
S.P.E.C.I.E.S.  
Monterey County, CA, USA

**Paul Glaum, PhD**  
Ann Arbor, MI, USA

**Scott Goetz, PhD**  
Northern Arizona University  
Flagstaff, AZ, USA

**Allison Goff, PhD**  
South Lakes Tahoe, CA, USA

**José F. González-Maya, PhD**  
Universidad Autónoma  
Metropolitana (México) and  
ProCAT Colombia  
Mexico City, Mexico

**Jeffrey M. Good, PhD**  
University of Montana  
Missoula, MT, USA

**Jennifer L. Gooden, PhD**  
Biophilia Foundation  
Fort Collins, CO, USA

**John Goodrich, PhD**  
Fort Collins, CO, USA

**Harry W. Greene, PhD**  
Pontotoc, TX, USA

**Gregory F. Grether, PhD**  
UCLA  
Topanga, CA, USA

**Martha J. Groom, PhD**  
University of Washington  
Seattle, WA, USA

**Robert Grumbine, PhD**  
Bellingham, WA, USA

**Kyle D. Gustafson, PhD**  
Arkansas State University  
Jonesboro, AR, USA

**Elizabeth Hadly, Ph.D.**  
Stanford University  
Stanford, CA, USA

**Nathan Hahn, PhD (Cand.)**  
Fort Collins, CO, USA

**Iain M. Hall, PhD**  
The Hague, The Netherlands

**Nathaniel J. Hall, PhD**  
Texas Tech Univeristy  
Lubbock, TX, USA

**Charles B. Halpern, PhD**  
Seattle, WA, USA

**Tinisha Hancock, PhD**  
Re:wild  
Midvale, UT, USA

**Brian Hare, PhD**  
Duke University  
Chapel Hill NC, USA

**Ryan J. Harrigan, PhD**  
University of California, Los  
Angeles  
Los Angeles, CA, USA

**Kelley Harris, PhD**  
University of Washington  
Seattle, WA, USA

**Peter M. Haswell, PhD**  
University of California, Davis  
Davis, United States / Bangor,  
Wales, UK

**Jay T. Hatch, PhD**  
University of Minnesota–Twin  
Cities  
Minneapolis, MN, USA

**Nancy C. Hawkes, Ph.D.**  
Woodland Park Zoo  
Seattle, WA, USA

**Melissa T.R. Hawkins, Ph.D.**  
Smithsonian Institution  
Springfield VA, USA

**Leela Hazzah, PhD**  
Lion Guardians  
Kenya

**Phil Hedrick, PhD**  
Arizona State University  
Tempe, AZ, USA

**Lauren H. Henson, PhD**  
Portland, ME, USA

**Richard A. Hilsenbeck, PhD**  
The Nature Conservancy  
(Retired)  
St. Augustine, FL, USA

**Joseph W. Hinton, PhD**  
Wolf Conservation Center  
Mays Landing, NJ, USA

**Carole k Hooven, PhD**  
Harvard  
Cambridge, MA, USA

**Rick Hopkins, PhD**  
Live Oak Associates, Inc.  
San Jose, CA, USA

**David Houle, PhD**  
Florida State University  
Tallahassee, FL, USA

**Maren Huck, PhD**  
University of Derby  
Derby, UK

**Peter J. Hudson, PhD**  
Penn State University  
State College, PA, USA

**Sarah E. Huebner, PhD**  
University of Minnesota Lion  
Center  
Minneapolis, MN, USA

**Kimberly A. Hughes, PhD**  
Tallahassee, FL, USA

**Luke Hunter, PhD**  
University of KwaZulu Natal,  
South Africa  
New York, NY, USA

**Frances K. Hunter, PhD  
(Cand.)**  
Logan, UT, USA

**Shawn D. Hurst, PhD**  
Greenwood, IN, USA

**Deborah Hutton, PhD**  
The College of New Jersey  
Trenton, NJ, USA

**Amiyaal Ilany, PhD**  
Bar-Ilan University  
Ramat Gan, Israel

**Yorgos Iliopoulos, PhD**  
Callisto Wildlife Society,  
Greece  
Thessaloniki, Greece

**Carlos A. IUDICA, Ph.D.**  
Susquehanna University  
Selinsgrove, PA, USA

**Andrew Jacobson, PhD**  
Catawba College  
Salisbury, NC, USA

**Lei Jan, PhD**  
Glen Burnie, MD, USA

**Patrick A. Jantz, PhD**  
Northern Arizona University  
Flagstaff, AZ, USA

**Claire Jantz, PhD**  
Shippensburg University  
Shippensburg, PA, USA

**Clinton N. Jenkins, PhD**  
Florida International  
University  
Miami, FL, USA

**Shant Jnawali, PhD**  
WWF Nepal  
Kathmandu, Nepal

**Robert Johnson, PhD**  
San Antonia, CA, USA

**Marieke K. Jones, PhD**  
University of Virginia  
Charlottesville, VA, USA

**Te Jones, Ph.D.**  
Baltimore, MD, USA

**Anup Joshi, PhD**  
University of Minnesota  
Eden Prairie, MN, USA

**Elinor K. Karlsson, PhD**  
UMass Chan Medical School  
Worcester, MA, USA

**Rebecca Y. Kartzinel, PhD**  
Brown University  
Providence, RI, USA

**J. Boone Kauffman, PhD**  
Oregon State University  
Corvallis, OR, USA

**Roland Kays, PhD**  
Raleigh, NC, USA

**Annika Keeley, PhD**  
Davis, CA, USA

**Jim E Keen, DVM, PhD**  
Center for a Humane Economy  
Letcher, SD, USA

**julian keenan, PhD**  
Montclair State  
Montclair, NJ, USA

**Cherie Keller, PhD**  
Tallahassee, FL, USA

**Krista Kemppinen, PhD**  
Center for Biological Diversity  
Tucson, AZ, USA

**Arik Kershenbaum, PhD**  
University of Cambridge  
Cambridge, UK

**Sylvia Kinoshian, PhD**  
Utah State University  
Salt Lake City, UT, USA

**Alexander N.G. Kirschel,  
PhD**  
University of Cyprus  
Nicosia, Cyprus

**Keith Kisselle, PhD**  
Austin College  
Sherman, TX, USA

**Jennifer Klunk, PhD**  
Daicel Arbor Biosciences  
Ann Arbor, MI, USA

**Miha. Krofel, Ph.D.**  
University of Ljubljana  
Ljubljana, Slovenia

**Josip Kusak, PhD**  
University of Zagreb  
Zagreb

**Penny Langhammer, PhD**  
Portland, OR, USA

**Zachary M. Laubach, PhD**  
Boulder, CO, USA

**Tosso Leeb, PhD**  
University of Bern  
Bern, Switzerland

**Susan Lieberman, PhD**  
Washington, DC, USA

**Kathleen LoGiudice, Ph.D.**  
Union College  
Schenectady, NY, USA

**José Vicente López-Bao, PhD**  
Biodiversity Research Institute  
(CSIC - Oviedo University)  
Mieres, Spain

**John N. Louie, PhD**  
Reno, NV, USA

**Fred W. Koontz, PhD**  
Duvall, WA, USA

**Anna V. Kukekova, PhD**  
University of Illinois at  
Urbana-Champaign  
Urbana, IL, USA

**Christine Lamanna, PhD**  
World Agroforestry  
Dayton, OH, USA

**Eric Larsen, PhD**  
Chicago, IL, USA

**Beverly E. Law, PhD**  
Oregon State University  
Corvallis, OR, USA

**Nicole Lewis-Rogers, Ph.D.**  
Brigham Young University  
Provo, UT, USA

**Richard L. Lindroth, PhD**  
University of Wisconsin-  
Madison  
Madison, WI, USA

**Robert A. Long, Ph.D.**  
Woodland Park Zoo  
Seattle, WA, USA

**Kathryn Lord, PhD**  
Greenfield, MA, USA

**Mauro Lucherini, PhD**  
Consejo Nacional de  
Investigaciones Científicas y  
Técnicas (CONICET)  
Bahía Blanca, Argentina

**Michael Kreger, Ph.D.**  
Columbus Zoo and Aquarium  
Columbus, OH, USA

**Ajith Kumar, PhD**  
Bangalore, India

**Babu Ram Lamichhane, PhD**  
National Trust for Nature  
Conservation  
Bharatpur, Nepal

**Greger Larson, PhD**  
University of Oxford  
Oxford, UK

**Peter R. Law, PhD**  
Centre for African  
Conservation Ecology, Nelson  
Mandela University  
Port Elizabeth, South Africa

**P. Andrew Leynes, PhD**  
The College of New Jersey  
Ewing, NJ, USA

**James Liu, PhD**  
Easton, PA, USA

**Jose Lopez, PhD**  
Nova Southeastern University  
Florida, USA

**Paul Loth, PhD**  
Rijswijk, The Netherlands

**Susan Lumpkin, PhD**  
Washington, DC, USA

**Michelle L. Lute, PhD**  
Project Coyote  
Sante Fe, NM, USA

**Zarin Machanda, PhD**  
Boston, MA, USA

**Béré Mahoney, PhD**  
University of Worcester  
Worcester, UK

**Roberto Márquez, PhD**  
University of Michigan  
Ann Arbor, MI, USA

**Jeffrey V. Martin, PhD**  
University of California,  
Berkeley  
Oakland, CA, USA

**Christine L. May, PhD**  
James Madison University  
Harrisonburg, VA, USA

**Julie Meachen, PhD**  
Des Moines University  
Des Moines, IA, USA

**Melissa Meierhofer, Ph.D.**  
Finnish Museum of Natural  
History  
Helsinki, Finland

**Mario Melletti, PhD**  
AfBIG, WPSG, IUCN SSC  
ASG  
Rome, Italy

**Amy L. Mertl, PhD**  
Lesley University  
MA, USA

**Carlos A. Molina, PhD**  
Montclair State University  
New Jersey, USA

**William S. Lynn, PhD**  
Marsh Institute, Clark  
University  
Marlborough, MA, USA

**Evan L. MacLean, PhD**  
University of Arizona  
Tucson, AZ, USA

**Audrey Majeske, PhD**  
Rochester Hills, MI, USA

**Aaron Marshall, Ph.D.**  
Santa Barbara, CA, USA

**José G. Martínez-Fonseca,  
PhD**  
Northern Arizona University  
Flagstaff, AZ, USA

**Monte L. McCrossin, Ph.D.**  
New Mexico State University  
Durham, NC, USA

**Diana Paola Medina, Ph.D.**  
Sociedad de Doctores e  
Investigadores  
Colombia

**Andreas Meißner, PhD**  
Wilderness Foundation  
Brandenburg  
Potsdam, Germany

**José Alirio Mendoza, Ph.D.**  
Sociedad de Doctores e  
Investigadores  
Bogotá, Colombia

**Madison Miketa, PhD**  
Chapel Hill, NC, USA

**B. Karina Montero, Ph.D.**  
University of Hamburg  
Wendland, Germany

**Karen E. Mabry, PhD**  
New Mexico State University  
Las Cruces, NM, USA

**Kit Magellan, PhD**  
Battambang, Cambodia

**Jack Marchetti, PhD**  
Utah State University  
UT, USA

**Leesia C. Marshall, PhD**  
Louisiana State University at  
Alexandria  
Alexandria, LA, USA

**Shelly Masi, PhD**  
Muséum National d'Histoire  
Naturelle  
France

**Anne McGill, PhD**  
Scottsdale, AZ, USA

**Lindsay R. Mehrkam, PhD**  
Monmouth University  
Long Branch, NJ, USA

**Marci Meixler, PhD**  
New Brunswick, NJ, USA

**Robert W. Meredith, PhD**  
Montclair State University  
Montclair, NJ, USA

**Jess Miller-Camp, Ph.D.**  
Indiana University  
Bloomington, IN, USA

**Javier Monzon, PhD**  
Pepperdine University  
Malibu, CA, USA

**Emily V. Moran, PhD**  
UC Merced  
Merced, CA, USA

**Brook T. Moyers, PhD**  
University of Massachusetts  
Boston  
Boston, MA, USA

**Lukas Musher, PhD**  
The Academy of Natural  
Sciences of Drexel University  
Philadelphia, PA, USA

**Jillian M. Myers, PhD**  
Ann Arbor, MI, USA

**Robin Naidoo, PhD**  
Vancouver, BC, Canada

**Swapna Nelaballi, PhD**  
Bangalore, India

**Barry R. Noon, PhD**  
Colorado State University  
Fort Collins, CO, USA

**Robert O'Hagan, PhD**  
Montclair State University  
Metuchen, NJ, USA

**Kenneth M. Olsen, PhD**  
Washington University in St.  
Louis  
St. Louis, MO, USA

**Megan Parker, PhD**  
Missoula, MT, USA

**Bruce D. Patterson, PhD**  
Chicago, IL, USA

**Matteo Pellegrini, PhD**  
UCLA  
Los Angeles, CA, USA

**Marcia Moreno-Baez, PhD**  
Biddeford, ME, USA

**John F. Mull, PhD**  
Ogden, UT, USA

**Philip Myers, PhD**  
University of Michigan  
Ann Arbor, MI, USA

**Nalini M. Nadkarni, PhD**  
University of Utah  
Salt Lake City, UT, USA

**Dhruba Naug, PhD**  
Colorado State University  
Fort Collins, CO, USA

**Robert Newman, PhD**  
Grand Forks, ND, USA

**Cassandra M.V. Nuñez, PhD**  
The University of Memphis  
Memphis, TN, USA

**Joy M. O'Keefe, Ph.D.**  
University of Illinois  
Urbana, IL, USA

**Richard S. Ostfeld, Ph.D.**  
Cary Institute of Ecosystem  
Studies  
Tivoli, NY, USA

**John Parkinson, PhD**  
University of South Florida  
Tampa, FL, USA

**John Payne, PhD**  
Borneo Rhino Alliance  
Kota Kinabalu, Malaysia

**Polina L. Perelman, PhD**  
Institute of Molecular and  
Cellular Biology  
Novosibirsk, Russia

**Rosa Moscarella, Ph.D.**  
UMass Amherst  
Amherst, MA, USA

**Joao Munoz, Ph.D.**  
Universidad Nacional de  
Colombia  
Bogotá, Colombia

**Mark Myers, Ph.D.**  
University of Northern Iowa  
Cedar Falls, IA, USA

**Christopher Nagy, Ph.D.**  
Mianus River Gorge, Inc  
Bedford, NY, USA

**Mark D. Needham, PhD**  
Oregon State University  
Corvallis, OR, USA

**Paul Nicklen, PhD (Hon.)**  
Nanoose Bay, BC, Canada

**Philip J. Nyhus, PhD**  
Colby College  
Waterville, ME, USA

**Taras K. Oleksyk, PhD**  
Rochester Hills, MI, USA

**Jacob R. Owens, Ph.D.**  
Los Angeles, CA, USA

**Chris Parsons, PhD**  
George Mason University  
Fairfax, VA, USA

**James Peek, PhD**  
Hope, ID, USA

**Carlos A. Peres, PhD**  
University of East Anglia  
Norwich, UK

**Jim Perry, PhD**  
University of Minnesota  
St Paul, MN, USA

**Malin L. Pinsky, PhD**  
Rutgers University  
New Brunswick, NJ, USA

**Joe Poston, PhD**  
Catawba College  
Salisbury NC, USA

**Jennifer Pramuk, PhD**  
Seattle, WA, USA

**Jennifer L. Purrenhage, PhD**  
Durham, NH, USA

**Henrik B. Rasmussen, PhD**  
Savannah Tracking Ltd  
Kilifi, Kenya

**Andrew Reeves, PhD**  
New York, NY, USA

**Roberto E. Reis, PhD**  
PUCRS  
Porto Alegre, Brazil

**Rafael Reyna-Hurtado, PhD**  
El Colegio de la Frontera Sur  
Campeche, Mexico

**Laurie Rilling, PhD**  
Frisco, TX, USA

**Alejandra Rodriguez-Verdugo, PhD**  
University of California Irvine  
Irvine, CA, USA

**Rolf O. Peterson, PhD**  
Michigan Technological  
University  
Houghton, MI, USA

**Mila Plavsic, PhD**  
Portland, ME, USA

**Donald Potts, PhD**  
University of California, Santa  
Cruz  
Santa Cruz, CA, USA

**Francisco Prevosti, PhD**  
UNLAR-CONICET  
Anillaco, Argentina

**Mateo Ramirez, PhD**  
Cincinnati, OH, USA

**Jayashree Ratnam, PhD**  
Bangalore, India

**Jennifer Rehage, PhD**  
Florida International  
University  
Miami, FL, USA

**Slaven Reljic, PhD**  
Zagreb, Croatia

**Christina L. Richards, PhD**  
University of South Florida  
Tampa, FL, USA

**John G. Robinson, PhD**  
New York, NY, USA

**Gary W. Roemer, PhD**  
Las Cruces, NM, USA

**Jennifer Pierce, PhD**  
Boise, ID, USA

**P. David Polly, Ph.D.**  
Indiana University  
Bloomington, IN, USA

**David Powell, Ph.D.**  
Saint Louis MO, USA

**Richard Pritzlaff, PhD**  
Biophilia Foundation  
Boulder, CO, USA

**Diego Ramirez, Ph.D.**  
Bogotá, Colombia

**Richard Reading, PhD**  
Denver, CO, USA

**Patrícia Reinheimer, Ph.D.**  
UFRRJ  
Rio de Janeiro, Brazil

**Michael Rentz, Ph.D.**  
Iowa State University  
Ames, IA, USA

**Jason Riggio, PhD**  
University of California, Davis  
Davis, CA, USA

**Kirk C. Robinson, PhD**  
Western Wildlife Conservancy  
Salt Lake City, UT, USA

**Duke S. Rogers, Ph.D.**  
Brigham Young University  
Salt Lake City, UT, USA



**Edwison Alberto Rojas Triviño, Ph.D.**  
Universidad Nacional de  
Colombia  
Cali, Colombia

**Robert K. Rose, Ph.D.**  
Norfolk, VA, USA

**Stan Rullman, PhD**  
Earthwatch Institute  
Boston, MA, USA

**Florencia Sangermano, PhD**  
Worcester, MA, USA

**Caroline Sartor, PhD**  
Pontifícia Universidade  
Católica do Rio Grande do Sul  
Porto Alegre, Brazil

**Jan Schipper, PhD**  
Phoenix, AZ, USA

**Matthew Schuler, PhD**  
Montclair, NJ, USA

**Rena Schweizer, PhD**  
Missoula, MT, USA

**Christopher Servheen, PhD**  
Missoula, MT, USA

**Steven R. Sheffield, PhD**  
Bowie State University  
Crofton, MD, USA

**Miles R. Silman, PhD**  
Wake Forest University  
Winston-Salem, NC, USA

**Helena Romanowski, PhD**  
Universidade Federal do Rio  
Grande do Sul  
Porto Alegre, Brazil

**Andrew A. Rosenberg, PhD**  
Union of Concerned Scientists  
Gloucester, MA, USA

**Linda Y. Rutledge, PhD**  
Trent University  
Lazo, BC, Canada

**Francisco J. Santiago-Ávila, PhD**  
University of Wisconsin-  
Madison  
Madison, WI, USA

**Raymond A. Saumure, Ph.D.**  
Las Vegas, NV, USA

**Peter Schlesinger, PhD**  
PSForestry LLC  
Lima, Peru

**Mark Schulze, PhD**  
Blue River, OR, USA

**Drew A. Scott, PhD**  
Bismarck, ND, USA

**William J. Severud, PhD**  
St Paul, MN, USA

**Nancy J. Sherman, PhD**  
Charlottesville, VA, USA

**Margaret Simon, PhD**  
Gainesville, FL, USA

**Holly Root-Gutteridge, PhD**  
Lincoln, UK

**Luis A. Ruedas, Ph.D.**  
Portland State University  
Portland, OR, USA

**Benjamin N. Sacks, PhD**  
University of California, Davis  
Davis, CA, USA

**Eva L. Sargent, PhD**  
Tucson, AZ, USA

**Amy Savage, PhD**  
Hammonton, NJ, USA

**Robert Schmidt, PhD**  
Utah State University (retired)  
Logan, UT, USA

**Heidi Schutz, Ph.D.**  
Pacific Lutheran University  
Tacoma, WA, USA

**Ravinder Sehgal, PhD**  
SFSU  
Stockholm

**Ruth G. Shaw, PhD**  
University of Minnesota  
St. Paul, MN, USA

**Michael D. Siegle, PhD**  
Santa Fe, NM, USA

**Andrew Simons, PhD**  
University of Minnesota  
Saint Paul, MN, USA

**Michael S. Singer, PhD**  
Wesleyan University  
Middletown, CT, USA

**Nigel C. Sizer, PhD**  
Baruch College, City  
University of New York  
New York, NY, USA

**V. Alex Sotola, PhD**  
University of Georgia  
Athens, GA, USA

**Tamara Stawicki, PhD**  
Lafayette College  
Easton, PA, USA

**Peter Stiling, PhD**  
University of South Florida  
Tampa, FL, USA

**Ron Sutherland, PhD**  
Wildlands Network  
Durham, NC, USA

**Jeffrey W. Tamplin, Ph.D.**  
Waterloo, IA, USA

**Jessica M. Theodor, Ph.D.**  
University of Calgary  
Calgary, AB, Canada

**Diana F. Tomback, PhD**  
University of Colorado,  
Denver  
Denver, CO, USA

**F. Javier Trigos-Arrieta,  
PhD**  
California State University,  
Bakersfield  
Bakersfield, CA, USA

**Paul Sinnadurai, PhD**  
Cardiff University  
Brecon, Wales

**Bradley P. Smith, PhD**  
Central Queensland University  
Adelaide, Australia

**Theresa A. Spradling, Ph.D.**  
University of Northern Iowa  
Cedar Falls, IA, USA

**Andrew B. Stein, PhD**  
CLAWS Conservancy  
Worcester, MA, USA

**Christopher Still, PhD**  
Oregon State University  
Corvallis, OR, USA

**Edward B. Swain, PhD**  
St Paul , MN, USA

**Tatiana Tatum, PhD**  
Chicago, IL, USA

**Henri A. Thomassen, PhD**  
University of Tübingen,  
Germany / UCLA  
Tübingen, Germany

**Anne M. Treasure, PhD**  
Cape Town, South Africa

**Stephen C. Trombulak, PhD**  
Middlebury College  
Huntington, MA, USA

**Janet Sinsheimer, PhD**  
UCLA  
Los Angeles, CA, USA

**Luis A. Solorzano, PhD**  
Tompkins Conservation  
Miami, FL, USA

**Paul Stapp, Ph.D.**  
California State University  
Fullerton  
Claremont, CA, USA

**Dirk Steinke, PhD**  
University of Guelph  
Guelph, ON, Canada

**Naresh Subedi, PhD**  
Kathmandu, Nepal

**William Swanson, DVM,  
PhD**  
Cincinnati Zoo & Botanical  
Garden  
Cincinnati, OH, USA

**Ligia Tchaicka, PhD**  
State University of Maranhão -  
Brazil  
São Luis, Brazil

**Cody W. Thompson, Ph.D.**  
University of Michigan  
Ann Arbor, MI, USA

**Adrian Treves, PhD**  
Madison, WI, USA

**Colin Tucker, PhD**  
Houghton, MI, USA

**Alexandra Turano, PhD**  
Utah State University  
Logan, UT, USA

**Nathalia Valderrama  
Bohorquez, Ph.D.**  
Rio de Janeiro, Brazil

**Caitlin G. von Witt, PhD**  
Cape Town, South Africa

**Lisa Wallis, PhD**  
University of Liverpool, UK  
Liverpool, UK

**Samuel K. Wasser, PhD**  
University of Washington  
Seattle, WA, USA

**Jonathan Way, PhD**  
Eastern Coyote/Coywolf  
Research  
Barnstable, MA, USA

**Ai Wen, Ph.D.**  
University of Northern Iowa  
Cedar Falls, IA, USA

**Paul C. West, PhD**  
St. Paul, MN, USA

**Paula White, PhD**  
Coos Bay, OR, USA

**Eric Wikramanayake, PhD**  
WWF Hong Kong  
Hong Kong SAR

**Susan K Willson, PhD**  
Ecology and Evolution  
Canton, NY, USA

**Monique A. R. Udell, PhD**  
Corvallis, OR, USA

**Sally J. Valdes, PhD**  
Alexandria, VA, USA

**Bridgett vonHoldt, PhD**  
Princeton University  
Princeton, NJ, USA

**Sheila E. Ward, PhD**  
San Juan, Puerto Rico

**Susan Waters, PhD**  
Olympia, WA, USA

**William Weber, PhD**  
Yale School of the  
Environment  
New Haven, CT, USA

**Bianca M. Wentzell, PhD**  
St. Thomas Aquinas College  
Sparkill, NY, USA

**Peyton M. West, PhD**  
Frankfurt Zoological Society -  
U.S.  
Washington, DC, USA

**Noah K. Whiteman, PhD**  
UC-Berkeley  
Oakland, CA, USA

**Sara Williams, PhD**  
Missoula, MT, USA

**Christopher Wilmers, PhD**  
University of California, Santa  
Cruz  
Santa Cruz, CA, USA

**Maria N. Umana, PhD**  
Bogota, Colombia

**Nathan Varley, PhD**  
Yellowstone Wolf Tracker  
Gardiner, MT, USA

**Marina Vrljić, PhD**  
Dubrovnik, Croatia

**Carol Ward, Ph.D.**  
University of Missouri  
Columbia, MO, USA

**Jonathan G. Way, PhD**  
Eastern Coyote/Coywolf  
Research  
Barnstable, MA, USA

**Anna Weber, PhD (Cand.)**  
New Orleans, LA, USA

**Geraldine Werhahn, PhD**  
Nepal and Switzerland

**Elena H. West, PhD**  
Minneapolis, MN, USA

**Robert B. Wielgus, PhD**  
Washington State University  
(Retired)  
Bend, OR, USA

**Deborah L. Williamson, PhD**  
Albuquerque, NM, USA

**Christopher Wolf, PhD**  
Oregon State University  
Corvallis, OR, USA

**Meiyin Wu, PhD**  
Montclair, NJ, USA

**Clive D. L. Wynne, PhD**  
Tempe, AZ, USA

**Nobuyuki Yamaguchi, PhD**  
University of Malaysia  
Terengganu  
Kuala Nerus, Malaysia

**Anni Yang, PhD**  
Fort Collins, CO, USA

**Meredith Yeager, PhD**  
Frederick, MD, USA

**Noah Zaitlen, PhD**  
UCLA  
Los Angeles, CA, USA

**David A. Zegers, Ph.D.**  
Lancaster, PA, USA

**Irene Aconcha, MS**  
National Natural Parks of  
Colombia  
Bogotá, Colombia

**Amber Acord, MS**  
Akron, OH, USA

**Lisa Adams, MA**  
University of Bari Italy  
Lecce, Italy

**Savannah R. Adkins, MS**  
Utah State University  
Logan, UT, USA

**Collette L. Adkins, MS**  
Center for Biological Diversity  
Minneapolis, MN, USA

**Judi Adler, MS**  
Humble, TX, USA

**Ashli Akins, MS**  
University of British Columbia  
Vancouver, BC, Canada

**Harriet Allen, MS**  
Washington Dept Fish &  
Wildlife (Retired)  
Olympia, WA, USA

**Melissa Amarello, MS**  
Advocates for Snake  
Preservation  
Silver City, NM, USA

**Ileene Anderson, MS**  
Center for Biological Diversity  
Los Angeles, CA, USA

**Abdul S. Ansari, MS**  
FAOUN Nepal  
Kathmandu, Nepal

**Nancy Avolese, MS**  
Middletown, PA, USA

**Chris Bachman, M.Ed**  
Pacific Wolf Coalition  
Spokane, WA, USA

**Anjanette Baker, MS**  
South Beach, OR, USA

**D Neve Baker, MS**  
California, USA

**Rami Balagangyan, MA**  
Los Angeles, CA, USA

**Nadia Balduccio, MS**  
Florence, Italy

**Savannah Ball, MS**  
Tampa, FL, USA

**Sanjana Banerjee, MS**  
Lafayette, LA, USA

**Matthew K. Barnes, MS**  
Northern Rockies Conservation  
Cooperative  
Dolores, CO, USA

**Matteo L Bastianelli, MS**  
Bavarian Forest National Park,  
Germany  
Genoa, Italy

**Michael Batcher, MS**  
Ecological Society of America  
Buskirk, NY, USA

**Jackie Baum, MS**  
Wichita State University  
Wichita, KS, USA

**Anissa B. Beja, MS**  
Albany, NY, USA

**Kendell Bennett, MS**  
Wildlands Network  
Whittier, NC, USA

**Nicole Bergen, MS**  
West Milford, NJ, USA

**Jessica Berryman, MS**  
Salt Lake City, UT, USA

**Katherine M. Biddle Enberg, MS**  
Albany, NY, USA

**Richard Block, MS**  
Santa Barbara Zoo  
Santa Barbara, CA, USA

**Marc Bosch, MS**  
Alexandria, VA, USA

**Mary B Boyle, MS**  
Las Vegas, NV, USA

**James J. Breheny, MS**  
Wildlife Conservation Society/  
Bronx Zoo  
Bronx, NY, USA

**Rachel L. Buck, MS**  
Eagle Mountain, UT, USA

**Eric L. Burr, MS**  
Conservation Northwest  
Mazama, WA, USA

**Rachel N. Cable, MS**  
University of Michigan  
Ann Arbor, MI, USA

**Jon Caris, MS**  
South Hadley, MA, USA

**Lauren Castillo, MS**  
Slatington, PA, USA

**Priscilla R. Cole, MS**  
New York, NY, USA

**Jessica Cordiano, MA**  
Pound Ridge, NY, USA

**Geordie Biffoni, MS**  
Genova, Italy

**Chelsea C. Blumbergs, MS**  
Saint Louis Zoo  
Saint Louis, MO, USA

**Timothy Boucher, MS**  
Bethesda, MD, USA

**Curtis M Bradley, MS**  
Center for Biological Diversity  
Tucson, AZ, USA

**Brent Brock, MS**  
Bozeman, MT, USA

**Mario Buhrke, MS**  
Onçafari  
São Paulo, Brazil

**Kirsten R. Butcher, MS**  
Utah State University  
Logan, UT, USA

**Zachary C. Campbell, MS**  
Jonesboro, AK, USA

**Elizabeth Carls, MS**  
Saint Paul, MN, USA

**Alex Chang'a, MS**  
RESOLVE  
Tanzania

**Jessica Collins, MS**  
Collins Wolf and Wildlife  
Sanctuary  
Portsmouth, VA, USA

**Chloe A. Corsini, MS**  
Corte Madera, CA, USA

**Danielle Bissett, MS**  
Billion Oyster Project  
New York, NY, USA

**Allison Bormet, MS**  
Seattle, WA, USA

**Liliana K. Bouvet, MA**  
San Francisco, CA, USA

**Jennifer Braido, MS**  
Anoka-Ramsey Community  
College  
Wyoming, MN, USA

**Ellen Brown, MS**  
Clarksville, TN, USA

**Kate Burgess, MS**  
Boulder, CO, USA

**Stacy A. Byrd, MS**  
Fernbank Science Center  
Atlanta, GA, USA

**Hal Capone, MS**  
IL, USA

**Victoria A. Cassidy, MS**  
Atlanta, GA, USA

**Emily M. Cheadle, GISP**  
New York Natural Heritage  
Program  
Garrison, NY, USA

**Norman J. Cone IV, MS**  
Sierraville, CA, USA

**Stephanie D. Crank, MS**  
Logan, UT, USA

**Barbara Croes, MS**  
Leo Foundation  
Utrecht, The Netherlands

**Andrea Crosta, MS**  
Los Angeles, CA, USA

**Hayley L. Crowell, MS**  
Ann Arbor, MI, USA

**Jim Curland, MS**  
Watsonville, CA, USA

**Tierra Curry, MS**  
Lexington, KY, USA

**Scott E. Danneman, MS**  
Anoka Ramsey Community  
College  
Anoka, MN, USA

**Jenna David, MS**  
Denver, CO, USA

**Gyan C. de Silva, MS**  
Washington, DC, USA

**Brenna Decker, MS**  
Logan, UT, USA

**Bastiaan den Braber, MS**  
Los Angeles, CA, USA

**Silvana V. Denney, MS**  
Alexandria, VA, USA

**Silvana V. Denney, MS**  
Cheverly, MD, USA

**Katrina M. Derieg, MS**  
Natural History Museum of  
Utah  
Salt Lake City, UT, USA

**Rhonda Dern, MS**  
Colorado Wolf Alliance  
Evergreen, CO, USA

**Jeremy Dertien, MS**  
Clemson University  
Clemson, SC, USA

**Shailesh Desai, MS**  
Bhakta Kavi Narsinh Mehta  
University  
Junagadh, India

**Kadambari Devarajan, MS**  
University of Massachusetts at  
Amherst  
Amherst, MA

**Alden C. Dirks, MS**  
Ann Arbor, MI, USA

**Ethan D. Doney, MS**  
University of Saskatchewan  
Saskatoon, SK, Canada

**Katelynne B. Donnelly, MS**  
Fort Collins, CO, USA

**Nicola Eccel, MS**  
Trento, Italy

**Ricardo Ely, MS**  
Indiana University  
Bloomington, IN, USA

**Jayden Engert, MS**  
Cairns, Australia

**Holly M English, MS**  
University College Dublin  
Dublin, Ireland

**Munkhtuul Erdenebat, MS**  
Mongolia

**Abi R. Fergus, MS**  
Bad River Tribe  
Lincoln, WI, USA

**Sanjiv Fernando, MS**  
RESOLVE  
Washington, DC, USA

**Robert M. Ferris, MS**  
Defenders of Wildlife (Former)  
Waldport, OR, USA

**Mary Kate Forkan, MS**  
Reno, NV, USA

**Matthew N. Foster, MS**  
Re:wild  
Charlottesville, VA, USA

**Paul Foster, MS**  
La Virgen de Sarapiquí, Costa  
Rica

**Hector Fox, MS**  
EEB, University of Michigan  
Ann Arbor, MI, USA

**Marcello Franchini, MS**  
University of Udine  
Italy

**Hannah Frederick, MA**  
University of Colorado,  
Boulder  
Kent, OH, USA

**Gary W. Gadwa, MS**  
Idaho Dept. Fish and Game  
(Retired)  
Stanley, ID, USA

**Luis J. Garcia Falcon, MS**  
Miami, FL, USA

**Taylor M. Gedeon, MS**  
University of Maryland,  
College Park  
Washington, DC, USA

**Karen H. Goklany, MS**  
Vienna, VA, USA

**Chris Graham, MS**  
Hudsonia, Ltd.  
Kingston, NY, USA

**Hayne Griffith, MS**  
Minneapolis, MN, USA

**Susanna Han, MS**  
Suzuki Heritage Center  
San Diego CA, USA

**Gail Hasbrouck, MS**  
Fairfax, VA, USA

**Lauren Herbine, MS**  
Utah State University  
Logan, UT, USA

**Tyler Hunt, MS**  
Arlington, VA, USA

**Bridget S. James, MS**  
Stellenbosch University  
Cape Town, South Africa

**Jesse Jorna, MS**  
Brigham Young University  
Provo, UT, USA

**Irina Kashpei, MS**  
Minsk, Belarus

**Christine Gertschen, MS**  
Sawtooth Science Institute  
Sun Valley, ID, USA

**Heather Good, MS**  
Michigan Audubon  
Okemos, MI, USA

**Joe Gray, MA**  
London, UK

**John D. Hackett, MS**  
Henderson, NV, USA

**Will Harlan, MS**  
Center for Biological Diversity  
Asheville, NC, USA

**Bob Hayes, MS**  
Smithers, BC, Canada

**Robert A. Hrabik, MS**  
Missouri Department of  
Conservation  
Oak Ridge, MO, USA

**Angela P. Hurtado-Moreno,  
MS**  
ProCAT Colombia  
Bogotá, Colombia

**David Johns, MA, JD**  
School of Government,  
Portland State University  
McMinnville, OR, USA

**Suman Jumani, MS**  
University of Florida  
Gainesville, FL, USA

**Andrea R. Kautz, MS**  
Ligonier, PA, USA

**Neena Gleason, MS**  
Petaluma, CA, USA

**Lindsay L. Graff, MS**  
Vermont, USA

**Ella R. Gray, MS**  
Minneapolis, MN, USA

**Daniela Hamidovic, MS**  
Croatia  
Zagreb, Croatia

**Kelsey Hartman, MEM**  
Yale School of the  
Environment  
San Francisco, CA, USA

**Maik Henrich, MS**  
Bavarian Forest National Park,  
University of Freiburg  
Grafenau, Germany

**Serena Hubert, MS**  
San Rafael, CA, USA

**Ramzi Ibrahim, MS**  
Sacramento, CA, USA

**Nicholas A. Johnson, MS**  
Davis, CA, USA

**Mark Kaptein, MS**  
Boise, ID, USA

**Jonathan Keller, MS**  
University of New Mexico  
Albuquerque, NM, USA

**Dawn Kernahan, MS**  
New York, NY, USA

**Avery King, MS**  
Moscow, ID, USA

**Brian A. Kissmer, MA**  
Utah State University  
Ogden, UT, USA

**Travis Knowles, MS**  
Francis Marion University  
Florence, SC, USA

**Alex Krevitz, M.A**  
Independent Biologist  
Coarsegold, CA, USA

**Danielle LaBruna, MA**  
Wildlife Conservation Society  
Orangetown, NY, USA

**Erin Lacour, MS**  
San Jose, CA, USA

**Matt Lahm, MS**  
Louisville, KY, USA

**B. Lash, MS**  
Odessa, FL, USA

**Monica Lasky, MS**  
Fort Collins, CO, USA

**Andy T.L. Lee, MS**  
RESOLVE  
Washington, DC, USA

**Bill Leikam, MS**  
Urban Wildlife Research  
Project  
Mountain View, CA, USA

**Robert G. Lessnau, MS**  
Audubon Nature Institute  
New Orleans, LA, USA

**Andrew Lewis, MS**  
Park City, UT, USA

**Rosemary Lipala, MS**  
Montclair, NJ, USA

**Daniela Lopez, MS**  
San Jose, CA, USA

**Jon Luiken, MS**  
Ames, IA, USA

**Sifiso M Lukhele, MS**  
University of Cyprus  
Nicosia, Cyprus

**Ashleigh E Lutz-Nelson, MS**  
Snow Leopard Conservancy  
Sonoma, CA, USA

**Siân MacLeod, MS**  
Stonehaven, Scotland

**Mickael Mallinger-Dogan, MS**  
Wellesley, MA, USA

**Alexandre Malta, MS**  
Universidade Federal Rural de  
Pernambuco  
Jaboatão dos Guararapes,  
Brazil

**Calum Maney, MS**  
Cambridge, UK

**Jana A. Marquardt, MS**  
Soquel, CA, USA

**Michael A. Martin, MS**  
Emory University  
Atlanta, GA, USA

**Natalia Martínez, MS**  
Madrid, Spain

**Maria del Rosario Martínez, MS**  
Bogotá, Colombia

**Ellen R. McBride, MS**  
Rocklin, CA, USA

**Pearson McGovern, MS**  
Dallas, TX, USA

**Colleen Meidt, MS**  
Logan, UT, USA

**Laura X. Mendoza Cortés, MS**  
Bogotá, Colombia

**Edith Mertz, MS**  
Sophia University  
Tokyo, Japan

**Amanda Michaels, MS**  
Santa Cruz, CA, USA

**Gabriel D. Miller, MS**  
Austin, TX, USA

**Kirby Mills, MS**  
University of Michigan  
Ann Arbor, MI, USA

**Shawna Minion, MS**  
Albuquerque, NM, USA



**Jean Pierre Jobogo Mirindi, MS**  
Lubumbashi, Democratic  
Republic of Congo

**Adelle I. Molina, MS**  
Stony Brook University  
Stony Brook, NY, USA

**Eugenia Morzenti, MS**  
Milan, Italy

**Graham Neale, MS**  
Bozeman, MT, USA

**Bridget O. Ogolowa, MS**  
University of Cyprus  
Nicosia, Cyprus

**Gregor Pachmann, MS**  
SLU (Swedish University of  
Agricultural Sciences)  
Umeå, Sweden

**David R. Parsons, MS**  
US Fish and Wildlife Service  
(Retired)  
Albuquerque, NM, USA

**Heather Peacock, MS**  
Western University  
London, ON, Canada

**Anna Peschel, MS**  
Minneapolis, MN, USA

**Douglas M. Piekarz, MS**  
Akron Zoological Park  
Akron, OH, USA

**Taylor Rees, MS**  
Yale School of Forestry  
Ridgway, CO, USA

**Denise Mizell, MS**  
Boulder, CO, USA

**Erik M. Molvar, MS**  
Laramie, WY, USA

**John Mulhouse, MS**  
Norman, OK, USA

**Hrishita Negi, MS**  
Clemson University  
New Delhi, India

**Paul Ojanen, MS**  
MN, USA

**Christopher M Papouchis, MS**  
California State University,  
Sacramento  
Sacramento, CA, USA

**David Parsons, MS**  
The Rewilding Institute and  
Project Coyote  
Albuquerque, NM, USA

**Alannah Pearson, MS**  
Australian National University  
Canberra, Australia

**Johanna Peters, MS**  
The Netherlands

**Abby-Gayle Prieur, MS**  
Ravenna, OH, USA

**Sylvia Ren, MS**  
CA, USA

**Negar Modgeddi, MS**  
Los Angeles, CA, USA

**Erika Moore, MS**  
Colorado Springs, CO, USA

**Sridevi Nair, MS**  
Mumbai, India

**Sidney Noble, MS**  
Kansas State University  
Manhattan, KS, USA

**Amye Osti, MS**  
Truckee, CA, USA

**Alexa Park, MS**  
New York, NY, USA

**K. David Pawlicki, MS**  
Fort Lauderdale, FL, USA

**A. Pedraza, MS**  
Bogotá, Colombia

**Maria Petridou, MS**  
University of Ioannina, Greece  
Ioannina, Greece

**Pooja Rathod, MS**  
India

**Emily Renn, MS**  
Grand Canyon Wolf Recovery  
Project  
Flagstaff, AZ, USA

**Terrell D. Rich, MS**  
Foothills Learning Center  
Boise, ID, USA

**Juan Rivera, MS**  
Puerto Rico

**Tatjana Rosen, MS**  
Center for Large Landscape  
Conservation  
Bishkek, Kyrgyzstan

**Jeremy Rowe, MS**  
Sylvania, OH, USA

**Maria Elisa Sandoval Serés,  
MS**  
University of Oxford  
Guadalajara, Jalisco, Mexico

**Elaine D. Schwartz, MS**  
Tarpon Springs, FL, USA

**Kyle A. Smith, MS**  
University Of Minnesota  
Minneapolis, MN, USA

**Bool Smuts, MS**  
Landmark Foundation  
Riversdale, South Africa

**Blythe Spendlove, MS**  
Los Angeles, CA, USA

**Wendy Steward, MS**  
Wild Tomorrow Fund  
New York, NY, USA

**Akshay Surendra, MS**  
Yale University  
Bangalore, India

**Donna M. Swan, MS**  
Akron Zoological Park  
Hinckley, OH, USA

**David Richardson, MS**  
Albany, NY, USA

**Zully J. Rodríguez, MS**  
Colombia

**Emily O. Routman, MS**  
San Carlos, CA, USA

**Faye L. Rye, MS**  
Torrance, CA, USA

**Christine Schadler, MS**  
New Hampshire Wildlife  
Coalition  
Webster, NH, USA

**Matteo Sebastianelli, MS**  
University of Cyprus  
Rome, Italy

**Chris Smith, MS**  
Round River research  
instructor  
Bozeman, MT, USA

**Sage Solomine, MS**  
New York, NY, USA

**Mohan Srinivasan, MS**  
Santa Clara, CA, USA

**Lauren N. Stoneburner, MS**  
Berkeley, CA, USA

**Kelly M. Suttles, MS**  
Hillsborough, NC, USA

**Linda Sweanor, MS**  
Montrose, CO, USA

**William E. Richdale, MS**  
Ecological Society of Australia  
Melbourne, Australia

**Giacomo Rosa, MS**  
Genova, Italy

**Marie-Morgane Rouyer, MS**  
Montpellier, France

**Laura Salcedo, MS**  
Universidad del Norte  
Cartagena, Colombia

**Joshua Schneck, MS**  
Washington, DC, USA

**Jim Slezak, MS**  
Corte Madera, CA, USA

**Adam F. Smith, MS**  
University of Freiburg  
Bavaria, Germany

**María Asunción Soto, MS**  
Universidad Autónoma  
Metropolitana  
México City, México

**Natasha Stepanova, MS**  
University of Michigan  
Ann Arbor, MI, USA

**Tamara Strobel, MS**  
Center for Biological Diversity  
Westminster, MD, USA

**Megan A. Sutton, MS**  
Boise, ID, USA

**Katie Taylor, MEM**  
Washington, DC, USA

**Linda M. Thurston, MS**  
Gardiner, MT, USA

**Cirenia A. Torres, MS**  
University of Southern  
California  
Laguna, CA, USA

**Ursula Trigos, MS**  
UM LSA Graduate Student  
Ann Arbor, MI, USA

**Charlie Trotman, MS**  
University of Sussex  
Brighton, England

**Daniel Trovillion, MS**  
University of Wisconsin-  
Madison  
Madison, WI, USA

**Rita M. Tsantis, MS**  
Toronto, ON, Canada

**Jess Tyler, MS**  
Center for Biological Diversity  
Portland, OR, USA

**Aisha Uduman, MS**  
Vancouver, BC, Canada

**Lori Vaccaro, MS**  
Lori Vaccaro  
Bronx, NY, USA

**Meera Vaishnav, MS**  
Bhuj, Gujarat, India

**Suzanne van Beeck Calkoen,  
MS**  
Freiburg, Germany

**Merijn van den Bosch, MS**  
Antwerp, Belgium

**Reut Vardi, MS**  
Israel

**Justine Jay Vaz, MS**  
The Habitat Foundation  
Penang, Malaysia

**Prabha Venu, MS**  
Santa Cruz, CA, USA

**M. Lilian Villalba, MS**  
La Paz, Bolivia

**Genesis V. Villanueva, MS**  
Los Angeles, CA, USA

**Abigail Villodas, MS**  
Scottsdale, AZ, USA

**Daniela Vito, MS**  
FL, USA

**Chever Voltmer, MS**  
Kensington, MD, USA

**Stacy J. Vynne McKinstry,  
MS**  
Issaquah, WA, USA

**Carli Wagner, MS**  
Mankato, MN, USA

**Bill Wallace, MS**  
Gaithersburg, MD, USA

**Shelby H Wanser, MS**  
Medford, OR, USA

**Heidi E. Ware Carlisle, MS**  
Boise, ID, USA

**Rebecca Wayman, MS**  
University of California, Davis  
Nevada City, CA, USA

**David G. Webster, MS**  
Scovill Zoo  
Decatur, IL, USA

**Robert Weeks, MS**  
Everett, WA, USA

**Emily Weisgrau, MA**  
Ardmore, PA, USA

**Amaroq E. Weiss, MS**  
Center for Biological Diversity  
Petaluma, CA, USA

**Conor V. Whelan, MS**  
University College Dublin  
Dublin, Ireland

**Alexa White, MS**  
Ann Arbor, MI, USA

**Emily J. Williams, MS**  
Georgetown University  
Washington, DC, USA

**Emily Wilson, MS**  
Lancaster PA, USA

**Krystyna U. Wolniakowski,  
MS**  
Yellowstone Ecological  
Research Center  
White Salmon, WA, USA

**L. Wright, MS**  
Bozeman, MT, USA

**Jordann Young, MS**  
University of California  
Santa Cruz, CA, USA

**Stella Yuan, MS**  
Humboldt State University  
Arcata, CA, USA

**Kimberly Zamuda, MS**  
Sparks, NV, USA

**Daniel R. Zeh, MS**  
North Fort Myers, FL, USA

**Chris Albert, DVM**  
Lebanon Junction, KY, USA

**Diego Rugno Arruda, DVM**  
SOS Pantanal  
São Paulo, Brazil

**Elina Åsbjer, DVM**  
Uppsala, Sweden

**Abhiney Bathla, DVM**  
Ontario, Canada

**Meredith Brown, DVM**  
Las Cruces, NM, USA

**Olga Celis Outumuro, DVM**  
Barcelona, Spain

**Kimberly Cook, DVM**  
Akron Zoological Park  
Akron, OH, USA

**Allyson R. Dallmann, DVM**  
Cambria, CA, USA

**Mariyana Dobрева, DVM**  
Pierrefonds, Quebec, Canada

**Hjll Don, DVM**  
Ontario, Canada

**Yuly Andrea Gómez Lozano, DVM**  
UFRGS  
Porto Alegre, Brazil

**Jeremy Goodman, DVM**  
Roger Williams Park Zoo  
Providence, RI, USA

**Simone Grant, DVM**  
Beaurepaire en Bresse, France

**Larry Grunspan, DVM**  
Olathe, KS, USA

**Emily J. Hall, VetMB**  
Leicester, UK

**Tara M. Harrison, DVM**  
Chapel Hill, NC, USA

**Paula Herrera, DVM**  
Universidad Austral de Chile  
Coyhaique, Chile

**Ana Herreros, DVM**  
Visalia, CA, USA

**Hilary Householder, DVM**  
Allentown, PA, USA

**Jasna Jeremić, DVM**  
Zagreb, Croatia

**Priscilla H. Joyner, DVM**  
Cumberland, OH, USA

**María C Machado, DVM**  
Bogotá, Colombia

**Joann Mckendry, DVM**  
Sicklerville, NJ, USA

**Laura McKinnon, DVM**  
New York, NY, USA

**Hayley W. Murphy, DVM**  
Zoo Atlanta  
Atlanta, GA, USA

**Kilian J. Murphy, DVM**  
Dublin, Ireland

**Alexandra N. Myers, DVM, PhD**  
College Station, TX, USA

**Fernando Najera, DVM**  
Complutense University of  
Madrid  
Madrid, Spain

**Camilo Antonio Paredes Casas, DVM**  
ProCAT Colombia  
Bogotá, Colombia

**Jan Ramer, DVM**  
The Wilds  
Zanesville, OH, USA

**Xóchitl Ramos, MVZ, EMCV, FS**  
Ciudad de México, Mexico

**Marina Ris, DVM**  
Zagreb, Croatia

**Sam Rivera, DVM**  
Zoo Atlanta  
Atlanta, GA, USA

**Cristián Saucedo, DVM**  
Tompkins Conservation  
Coyhaique, Chile

**Maria Secco, DVM**  
Brazil

**Tim Storms, DVM**  
Seattle, WA, USA

**Winston Vickers, DVM**  
UC Davis Wildlife Health  
Center  
San Rafael, CA, USA