



BOTSTIBER INSTITUTE
FOR WILDLIFE FERTILITY CONTROL

Newsletter
Fall 2022

Conference Presentations Now Available



The [9th International Conference on Wildlife Fertility Control](#) featured nearly 40 speakers from 14 countries and 24 U.S. states, along with special guest speaker The Honorable Jared Polis, Governor of Colorado, and opening plenary from Dr. Cheryl Asa, Advisory Board Chair Association for Zoos and Aquariums Reproductive Management Center. Speakers [discussed](#)

the role of fertility control in mitigating human-wildlife conflicts as well as the development of wildlife fertility control methods.

Click [here](#) to watch the presentations.

The Wildlife Society Symposium

The BIWFC is sponsoring a symposium titled "[Fertility Control to Mitigate Conflicts and Manage Wild Horse and Burro Populations on Public Lands in the U.S.](#)" at The Wildlife Society's 29th Annual Conference held in Washington, USA. The symposium is scheduled for Monday, November 7 at 1:30-5:00pm. This session will include the following presentations:

- **Celeste Carlisle** *Wild Horse & Burro Management 101 (Warning: Proceed with Caution)*
- **Nicki Frey** *Public Knowledge and Opinion of Euthanasia as a Management Option for Wild and Free-Roaming Horses*
- **Terry Messmer** *Free-Roaming Equids and the American Mind; the Role of Strategic Public Engagement in Achieving Healthy Herds on Healthy Rangelands*
- **Kate Shoenecker** *Multi-Objective Modeling as a Decision-Support Tool for Free-Roaming Horse Management*
- **Teresa Drotar** *Stakeholder Perspective: Federal Agency Lead on Wild Horse and Burro Management*
- **Barry Perryman** *Stakeholder Perspective: Rangeland Scientist and Member of the National Wild Horse and Burro Advisory Board*
- **Sarah King** *Effect of Adult Male Sterilization on the Behavior and Social Associations of Free-roaming Feral Horses*
- **Jason Bruemmer** *Optimum Reimmunization Interval for Delivery of GnRH Immunocontraceptive Vaccine (GonaCon-Equine) in Feral Horses (*Equus Ferus Cabellus*) Using Prototype Syringe Dart*
- **Grace Kahler** *Remote-delivery and Efficacy of ZonaStat-H in Wild Burros of the Black Mountain Herd Management Area in Northwest Arizona*

- **Jason Bruemmer** *The Effects of Immunization Against Oocyte Specific Growth Factors in Mares*
- **Karl Hoopes** *The Contraceptive Efficacy of a Self-Assembling Intra-Uterine device and Its Potential to Control Fertility in Free-roaming Equids*

The symposium will conclude with a panel discussion.
Abstracts of the presentation can be found [here](#).

Following the symposium, the Institute is holding a [reception at 7:30pm](#). Speakers from our symposium will be in attendance for further questions and networking.

The BIWFC can be found throughout the conference at our exhibit table.
Stop by with any questions you have regarding fertility control or the Institute.

BIWFC Europe Networking in Singapore

In August, Dr. Massei was invited by the Singapore National Parks Board (NParks) to participate in a 2-day workshop entitled *Wildlife Management Stakeholder Engagement* to give a talk on global wild boar population trends and management. The workshop allowed for genuine discussion on different perspectives and avoided polarization of opinions. The workshop went beyond what is typically discussed in these meetings, for instance population ecology, management, and public education, and emphasized the community stewardship aspect of human-wildlife interactions.



In places like Singapore, there is a glimpse of a fast-approaching future: if the human population continues to grow, context-specific solutions will be required to manage human-wildlife interactions and to promote coexistence. This engagement workshop was a step in the right direction.

Read the full report [here](#).

Upcoming Webinar Schedule

As part of our mission to serve as a resource for all things wildlife fertility control, the BIWFC will continue to host webinars starting in Fall 2022. Webinars include a presentation and live question-and-answer period. Our schedule includes:



November 17 at 2pm EST

Dr. Adam Hering - Wildlife Veterinarian
Dr. Jason Fisher - Professor, ACME Lab, University of Victoria, School of Environmental Studies
"Black-tailed deer in the city: A scientific approach to population control using immunocontraception"

[Register HERE](#)



December 6 at 10am EST

Kay Haw - Director, the United Kingdom Squirrel Accord
"Developing an oral contraceptive to manage the UK's
invasive grey squirrel populations"

[Register HERE](#)

Our past webinars can be found [here](#).

Interview with Mary Roach, Author "Fuzz: When Nature Breaks the Law"



The BIWFC interviewed Mary Roach, best-selling author of "Fuzz: When Nature Breaks the Law." Ms. Roach discusses her inspiration to write on human-wildlife interactions, her chapter on fertility control & monkeys, and more. The full interview can be watched [here](#).

Wildlife Fertility Control Repository

The [BIWFC Repository](#) aims to be the resource for all research related to wildlife fertility control. Click [here](#) to view the collection of over 100 papers. Recent additions include:

- "The reproductive inhibitory effects of levonorgestrel, quinestrol, and EP-1 in Brandt's vole (*Lasiopodomys brandtii*)" ([2020](#)) *PeerJ*
- "Impact of contraceptive hormones on the reproductive potential of male and female commensal black rats (*Rattus rattus*)" ([2021](#)) *Integrative Zoology*
- "Impact of fertility versus mortality control on the demographics of *Mastomys natalensis* in maize fields" ([2021](#)) *Integrative Zoology*

If you authored or co-authored a peer-reviewed article related to wildlife fertility control and would like your work to be included, please forward the PDF articles to biwfc@botstiber.org. We will archive your work after reviewing the publishers' policy and guidelines.

IMPORTANT DATES

1st International Wildlife Coexistence Conference, Oct. 17-20

The BIWFC will present at the [1st International Wildlife Coexistence Conference](#) hosted by the International Wildlife Coexistence Network in Montana October 17-20, 2022. The conference theme is integrating coexistence in wildlife management and community engagement and will include in-person and virtual presentations.

Pathways Europe: Human Dimensions of Wildlife Conference, October 19-21

The BIWFC will host a symposium of six speakers titled "*Too many? Wildlife fertility control to share landscapes*" at the [Pathways Europe: Human Dimensions of Wildlife Conference](#) held in Wageningen, The Netherlands. With the theme of "Sharing Landscapes," this conference aims to answer the question of how we can share landscapes in ways that are beneficial for both humans and wildlife in times of species extinction, climate change, and social injustice.

Animal Grantmakers Conference, October 23-26

The BIWFC, a member of [Animal Grantmakers](#), will be sponsoring and attending this annual gathering of the nation's only funder affinity group focused on protecting and enabling the well-being of all animals.

The Wildlife Society's 29th Annual Conference, November 6-10

The BIWFC will host a symposium on Monday, November 7 titled "*Fertility Control to Mitigate Conflicts and Manage Wild Horse and Burro Populations on Public Lands in the U.S.*" and an exhibit table at [The Wildlife Society's 29th Annual Conference](#) held in Spokane, Washington November 6-10. The Wildlife Society Conference is one of the largest gatherings of wildlife professionals, drawing over 2,000 attendees in the past.

IN THE NEWS

Combat Veterans to Dart Wild Horses

There is a proposed bill to prioritize and compensate U.S. combat veterans to dart wild horses with fertility control on Bureau of Land Management lands. The goal is to have a balance between what's best for the land, the mustangs and veterans. Read more [here](#).

Approved Delivery System for Rats

Ahwatukee Foothills News [reported](#) on the progress of SenesTech, Inc. and their delivery system for ContraPest. Approved by the Environmental Protection Agency in March 2022, the company designed the Elevate Bait System, which targets rats in elevated areas.

Canadian Deer Fertility Control Program Progress

The Oak Bay Immunocontraception Program, facilitated by The Urban Wildlife Stewardship Society, reported a 40% drop in deer numbers since the start of the program in 2019. A long-term deer management program is still being formulated. Read more about the program [here](#).

Call for Ethical Horse Management

The decision-making process regarding federal laws and public U.S. lands are historically centered on calculations about how to divide yield among users. According

to Horsetalk.co.nz, the application of care ethics will specifically provide more clarity to horse and burro management, including the selection of appropriate fertility control agents. Read more [here](#).

Click [here](#) to view more articles

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