



January 2015

## Greetings!

I'm pleased to announce that all four board members on the 2015 Ballot were voted in to another term with IWRC. Francisca, Lloyd, Adam, and Sue all have some exciting projects ahead of them this term. Look for more news from the board later this spring as they buckle down for a retreat in March. Meanwhile our secretary and incoming president will be visiting the office just next week!

Have a topic you want IWRC to look into? Let me know, perhaps we can feature it in a newsletter or blog post.

Cheers,

Kai

## Goo Be Gone

International Bird Rescue has been dealing with an influx of pelagic species covered in a mysterious goo. Tests are still underway to [determine the makeup](#) of the San Francisco substance, but they do know its neither a petroleum product nor the synthetic gunk that caused bird deaths in the United Kingdom in 2013.

Fortunately the event appears to have ended with [no new intakes](#) announced since last week. The first group of recovered scoters and other species were [released](#) Wednesday.

## Remote Wilderness Superbugs: Bad news for antibiotic resistance

Even in the far, far back of beyond, wildlife show signs of antibiotic resistance. Amazingly, and rather depressingly, animals which may never have seen a human, much less had close interactions, have been found to harbor resistant bacteria - ie superbugs. A team from Fundación Lusara, Cambridge, and the Univeristy of Washington, working in an untrammeeled region of Veracruz, discovered superbugs in the feces of seven species of mammals.



## CE Approved for North American Vets and Vet Techs

RACE (the Registry of Approved Continuing Education) has approved Basic Wildlife Rehabilitation for continuing education.

## Notes

All IWRC Journals of Wildlife Rehabilitation available to all members at <http://theiwrc.org/journal-of-wildlife-rehabilitation/>

## Links

### [IWRC Courses](#)

February

- Basic Wildlife

A working hypothesis is that the resistant bacteria traveled to the remote area via water or migratory birds.

[Summary of the research](#)

[The full study](#)

### First in a Century: Sierra Nevada fox spotted in Yosemite

Touted as one of the rarest mammals in North America, the [Sierra Nevada fox](#) (*Vulpes vulpes necator*), a subspecies of the red fox has been spotted in Yosemite National Park for the first time in 100 years.

### Research Corner: White Nose Syndrome Details Emerge

Spoiler alert, white nose syndrome (WNS) does deplete bat energy stores. The paper title really says it all "White-nose syndrome initiates a cascade of physiologic disturbances in the hibernating bat host". University of Wisconsin and USGS scientists have delved into just how WNS kills bats; finding a trail of physiologic changes that start soon after

*Pseudogymnoascus destructans* colonizes a host bat. The physiologic factors such as increased CO2 and potassium in the blood and the later energy depletion and dehydration are all made worse by torpor. Rehabilitators will find a close reading of the discussion section of this open access paper quite fascinating and illustrative of why our supportive care helps.

The model outlined in this paper maps the physiological changes beginning with colonization by *P. destructans* and opens the door to testing of potential mitigation hypothesis. If you are interested in learning more read the below and consider contacting the authors.

Read a USGS release that [summarizes the findings](#)

Access the [paper](#)

At least one lab, Research Associates Laboratory, does PCR tests for white nose syndrome. Fill out the [small mammal submittal form](#), brush the bat with a [cytology brush](#) and send it in.

- Rehabilitation, TX, USA (Houston)
- Parasitology, WI, USA
- Basic Wildlife Rehabilitation, TX, USA (El Paso)
- Basic Wildlife Rehabilitation, BC, CA (Victoria)

### March

- Basic Wildlife Rehabilitation, CA, USA (Salinas)
- Basic Wildlife Rehabilitation, KY, USA (Murray)
- Basic Wildlife Rehabilitation, AB, CA (Edmonton)
- Basic Wildlife Rehabilitation, KS, USA (Junction City)

### April

- Basic Wildlife Rehabilitation, MI, USA (Ann Arbor)

Coming Soon (registration next month or sooner)

- Basic courses in Massachusetts and Trinidad

Meanwhile, if you are interested in hosting contact Julissa at [julissa@theiwrc.org](mailto:julissa@theiwrc.org)

[Upcoming Conferences](#)  
[Other Upcoming Opportunities](#)

Stay In Touch

IWRC | PO Box 3197 | Eugene, OR | 97403



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