

SEEWIESEN

LECTURE SERIES

FALL/WINTER 2018/19

Max Planck Institute
for Ornithology



MAX-PLANCK-GESELLSCHAFT

THURSDAY | March 21st, 2019 | 13:00 | HOUSE 4 LECTURE ROOM

JESSE BARBER

Boise State University | Host: Goerlitz Research Group

The sensory ecology of bat-insect interactions

Bats and insects have been battling in the night sky for at least 60 million years – In this talk, I will reveal some of the anti-bat strategies that insects have evolved to thwart the very sensory systems of the predators that hound them.

WHO IS JESSE BARBER?

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| 2008 | Postdoctoral Research Associate, Colorado State University and the Natural Sounds and Night Skies Division of the US National Park Service, USA |
| 2011 | Assistant Professor of Biology, Boise State University, USA |
| 2017 | Associate Professor Biology, Boise State University, USA |

SELECTED RELEVANT PUBLICATIONS

- Rubin JJ, Hamilton CA, McClure CJW, Chadwell BA, Kawahara AY, Barber JR (2018) The evolution of anti-bat sensory illusions in moths. *Science Advances* 4:7, eaar7428
- Leavell BC, Rubin JJ, McClure CJW, Miner KA, Branham MA, Barber JR (2018) Fireflies thwart bat attack with multisensory warnings. *Science Advances* 4:8, eaat6601
- Barber JR, Leavell BC, Keener AL, Breinholt JW, Chadwell BA, McClure CJW, Hill GM, Kawahara AY (2015) Moth tails divert bat attack: evolution of acoustic deflection. *Proceedings of the National Academy of Sciences* 112(9):2812-2816.
- Kawahara AY, Barber JR (2015) Tempo and mode of anti-bat ultrasound production and sonar jamming in the diverse hawkmoth radiation. *Proceedings of the National Academy of Sciences* 112(20): 6407-6412.

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