

# DBEM Seminar Talk



Tuesday 26 February

14:00-15:00

Sala Conferenze PRC (6302) (3<sup>rd</sup> floor)

## Speaker

Prof. **Matthew Kauffman**, University of Wyoming, Leader of the Wyoming Cooperative Fish and Wildlife Unit. Dr. Matthew Kauffman serves as the Leader for of the Wyoming Co-op. He received his Ph.D. from the University of California-Santa Cruz and did post-doctoral research and teaching at the University of Montana. Dr. Kauffman's is broadly trained as an ecologist and has research experience in a wide variety of ecosystems. He has a strong quantitative background with expertise in population and ecosystem modeling and analysis of spatial data. While in Montana his research focused on predator-prey relationships between gray wolves and elk in the Greater Yellowstone Ecosystem. Dr. Kauffman began service at the Wyoming Unit during the summer of 2006. His current research focuses primarily on large carnivores and ungulates in terrestrial ecosystems. He continues research on gray wolves and elk and gray wolves in the Greater Yellowstone Ecosystem, and has expanded his research to include moose and grizzly bears in that ecosystem. Dr. Kauffman is also conducting research on the effects of natural gas development on mule deer, elk, and pronghorn in the sagebrush biome and of habitat fragmentation on avian communities.

## Title

**Wild Migrations: Foraging Benefits, Barriers, and Corridor Conservation in the American West.**

## Relevant publications

KL Monteith, MM Hayes, MJ **Kauffman**, HE Copeland, H Sawyer. Functional attributes of ungulate migration: landscape features facilitate movement and access to forage. *Ecological Applications* 28 (8), 2153-2164

JD Jones, MJ **Kauffman**, KL Monteith, BM Scurlock, SE Albeke, PC Cross. Supplemental feeding alters migration of a temperate ungulate. *Ecological Applications* 24 (7), 1769-1779

AD Middleton, MJ **Kauffman**, DE McWhirter, MD Jimenez, RC Cook. Linking anti-predator behaviour to prey demography reveals limited risk effects of an actively hunting large carnivore. *Ecology Letters* 16 (8), 1023-1030

MJ **Kauffman**, JF Brodie, ES Jules. Are wolves saving Yellowstone's aspen? A landscape-level test of a behaviorally mediated trophic cascade. *Ecology* 91 (9), 2742-2755