

## Jedediah F. Brodie, Ph.D.



I have studied several small carnivore species in North America and Asia, and for the last 5 years my research has focused almost exclusively on wildlife ecology and conservation in Malaysia and Indonesia. I have used camera trapping to study the habitat selection and response to anthropogenic disturbances in little-known carnivores such as mongooses (2 species), civets (5 species), and linsang (1 species). Currently my focus is on the designation of habitat corridors to facilitate carnivore movement between protected areas. I have been using models based on circuit theory, parameterized with camera trapping data, to identify the most likely dispersal pathways that carnivore species would take to move between protected areas. I am also developing ways to use metapopulation models to help prioritize landscape linkages. There are more possible habitat corridors than we have the funds or the political capital to protect, so we need an objective way to determine which are the most important. This will have immediate application in Sarawak (Malaysia), where I am working with NGOs and policy-makers, but should also be readily generalizable to other carnivore species around the world.

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