

Grants-in-Aid Committee

Committee Members: J. Boyles, R. M. Brigham, B. Butler, L. N. Carraway, C. J. Conroy, T. L. Derting, J. W. Dragoo, J. A. Esselstyn, K. E. Galbreath, S. Gehrt, J. R. Goheen, G. D. Hartman, V. Hayssen, C. Himes, S. R. Hooper, D. M. Kaufman, J. L. Koprowski, H. C. Lanier, J. Light, S. C. Loeb, K. Mabry, B. McMillan, M. Matocq, M. L. McKnight, R. W. Norris, E. C. Oaks, D. K. Odell, D. Post, A. W. Reed, D. M. Reeder, T. E. Roberts, R. K. Rose, K. C. Rowe, R. L. Schooley, P. T. Stapp, R. D. Stevens (Chair), K. D. Stone, H. H. Thomas, M. B. Worrell.

Mission:

The Grants-in-Aid Committee reviews applications for grants-in-aid and fellowships in mammalogy (American Society of Mammalogists Fellowship in Mammalogy and the Albert R. and Alma Shadle Fellowship in Mammalogy) and either selects recipients for these awards or recommends recipients for these awards.

Information Items:

(1) Membership on the Committee is currently 39 members. Cody Edwards, Loren Hayes, John Kie, and Bill Kilpatrick left the Committee during the last year. Thanks to these four gentlemen for their dedicated service to the Grants-in-Aid Committee. Two new members were added 24 (Hayley Lanier, Diane Post). We are always looking for additional members. Please contact me if you are interested in serving on this committee.

(2) We received 74 applications for Grants-in-Aid for 2012, below the average of approximately 100 applications received over the past few years. The budget for Grants-in-Aid was set by the Board at \$52,500 for 2012. The committee ranked the 74 proposals and 34 were selected for support based on their average ranking. The quality of the proposals continues to improve. The diversity and high quality of research activities proposed by the student members of ASM is very impressive. Each committee member was asked to review and rank 13 to 14 Grants-in-Aid applications. The committee members continue to make an effort to provide each applicant with some constructive comments on his/her proposal. Names of the students who have received a 2012 Grant-in-Aid are attached to the end of this report.

(3) The recipient of the 2012 Elizabeth Horner Award for the lowest ranking (best) Grant-in-Aid proposal is Andrea Bailey (University of Minnesota).

(4) In 2011, 11 fellowship applications were received and reviewed. The 2011 ASM Fellowship recipient was Bret Pasch from the University of Florida. The Shadle Fellowship recipient was Justin Lack from Oklahoma State University. The fellowship applications received for the 2012 competition will be distributed to committee members electronically and nominees will be selected during a closed session at the Annual Meeting. The amount of the American Society of Mammalogists Fellowship in Mammalogy will be \$15,000 and the Albert R. and Alma E. Shadle Fellowship in Mammalogy will be approximately \$4,000 in 2012.

Action items:

(1) 2013 Budget Request

Grants-in-Aid of Research 33 x \$1,500 \$52,500

Horner Award \$500

ASM Fellowship \$17,500

Banquet tickets for GIA recipients (10 X \$30) \$300

Total Request \$70,800

(2) 2012 ASM Grants-in-Aid Recipients

Andrea Bailey, Department of Ecology, Evolution, and Behavior, University of Minnesota, \$1500 + Horner Award (\$500) = \$2000;
The function of pregnancy coloration in social mammals.

Danielle Adams, Department of Biology, University of Maryland, \$1500:
Infidelity and sexual conflict in the greater spear-nosed bat (*Phyllostomus hastatus*).

Carolyn Bauer, Department of Biology, Tufts University, \$1500:
Does plural breeding with communal care buffer post-natal stress in the caviomorph rodent, *Octodon degus*?

Kayce Bell, Department of Biology, University of New Mexico, \$1500;
Lousey and wormy chipmunks: host-parasite geographic variation and co-divergence in western North America.

Kristin Brzeski, Department of Renewable Natural Resources, Louisiana State University, \$1500;
Examining genetic variation in pre-Columbian red wolves (*Canis rufus*).

Joseph Burger, Department of Biology, University of New Mexico, \$1500;
Experimentally testing the costs of exotic ectoparasites in *Octodon degus*.

Gerald Carter, Department of Biology, University of Maryland. \$1500;
Will vampire bats decrease food donations to partners that don't reciprocate?

Jeremy Chase Crawford, Department of Integrative Biology, University of California, Berkeley, \$1500;
Characterizing the innate and adaptive immune systems in a novel example of mammalian sociality: a next-generation approach.

Jonathan Derbridge, School of Natural Resources and the Environment, Wildlife Conservation and Management Program, University of Arizona, \$1500;
Using experimental removals and stable isotope analysis of diet to determine mechanisms of competition between an endangered tree squirrel and a syntopic non-native competitor.

Shelly Donohue, Department of Earth and Environmental Sciences, Vanderbilt University, \$1500;
Assessing feeding ecology and evolutionary history of the bear family using dental microwear texture analysis.

John Doudna, Department of Ecology, Evolution, and Organismal Biology, Iowa State University. \$1500;
Anthropogenically-induced adaptations in prairie deer mouse skull morphology.

Sheena Faherty, Department of Biology, Duke University, \$1500;
Unlocking the genetic code of hibernation: an investigation of free-ranging dwarf lemurs in Madagascar.

Brian Gaston, Department of Biological Sciences, Fort Hays State University, \$1500;
Comparison of managed versus unmanaged free-roaming cat populations.

Rebecca Green, University of California, Davis, \$1500;
Microclimate Conditions of tree cavities used as reproductive dens by fishers (*Martes pennanti*) in the southern Sierra Nevada.

Chun-Chia Huang, Department of Biological Sciences, Texas Tech University, \$1500;
Changing the face of farmer-wildlife conflicts: the economic potential of bat-discarded coffee beans in Southwestern Sumatra.

Eric Keen, Scripps Institution of Oceanography, University of California, San Diego, \$1500;
Whales in fjords: fin whale habitat use and vocalization in the developing coastal corridor of British Columbia.

Elizabeth Kierepka, Department of Biological Sciences, University of Wisconsin-Milwaukee, \$1500;
Phylogeography of a wide-ranging specialist, the American badger (*Taxidea taxus*) in North America.

Bryan Kluever, Wildland Resources, Utah State University, \$1500;
The relationship between artificial water sources and the ecology of kit foxes and coyotes on the U.S Army Dugway Proving Ground.

Ipek Kulachi, Department of Ecology & Evolutionary Biology, Princeton University, \$1500;
Transmission of novel information across social networks of ring-tailed lemurs (*Lemur catta*).

Matthew Mauldin, Department of Biological Sciences, Texas Tech University, \$1500;
Temporal and geographical comparison between hybrid zones of two species of woodrats (genus *Neotoma*).

Haley Obrien, Department of Biological Sciences, Ohio University, \$1500;
Assessing variation in artiodactyl thermoregulatory cranial vasculature: correlations with intrinsic and extrinsic factors.

Nicte Ordonez-Garza, Department of Biological Sciences, Texas Tech University, \$1500;
Rodents as a phylogeographical model for understanding species diversity in the Mesoamerican Highlands.

Jesse Patterson, Department of Biological Sciences, University of Calgary, \$1500;
The effects of ectoparasitism on the fitness and behaviour of North American red squirrels.

Kendra Phelps, Department of Biological Sciences, Texas Tech University, \$1500;
Conserving cave bats in the Philippines: assessing the impact of cave disturbance on bat communities.

Erin Posthumus, School of Natural Resources and the Environment, Wildlife Conservation and Management Program, University of Arizona, \$1500;
Can red squirrel (*Tamiasciurus hudsonicus*) middens affect species diversity? A test of the keystone species concept.

Emma Roberts, Department of Biological Sciences, Texas Tech University, \$1500;
The utility of zonadhesin in examining a potential isolating mechanism in three pairs of rodent species.

Melissa Roberts, NZP-SCBI-CCEG/NMNH VZ-Division of Mammals, Smithsonian Institution, \$1500;
Phylogenetics and biogeography of Sundaland tree squirrels.

Torrey Rodgers, Department of Animal Biology, University of Illinois at Urbana-Champaign, \$1500;
Ocelot kin-structure and socio-spatial organization from noninvasive genetic sampling and camera-trapping.

Jennifer Schieltz, Department of Ecology and Evolutionary Biology, Princeton University, \$1500;
How do body size and mode of digestion affect the response of wild grazers to cattle grazing?

Sarah Smiley, Department of Evolution, Ecology, and Organismal Biology, The Ohio State University, \$1500;
Physiological and behavioral responses of rodents to rattlesnakes: evidence of ongoing selection in a predator-prey system?

Lucy Tran, Department of Ecology and Evolutionary Biology, University of Michigan, \$1500;
Testing the role of flexible folivory in shaping a primate distribution.

Danielle Tufts, Department of Biological Sciences, University of Nebraska-Lincoln, \$1500;
High altitude adaptations in North American mammals (*Ochotona* and *Marmota* spp.).

Rachel Walsh, Department of Integrative Biology, Museum of Vertebrate Zoology, University of California, Berkeley, \$1500;
Understanding range shifts by chipmunks in Yosemite: impacts of habitat use, temperature, and interspecific interactions.

Elizabeth Warburton, Department of Biological Sciences, Western Michigan University, \$1500;
Elucidating patterns of host susceptibility in *Eptesicus fuscus*, a white-nose syndrome affected species.

Respectively submitted,
Richard D. Stevens, Chair
(rstevens@lsu.edu)