

Grants-in-Aid Committee

Committee Members: M. Brigham, B. Butler, L N. Carraway, C. J. Conroy, J. R. Demboski, T. L. Derting, J. W. Dragoo, C. W. Edwards, S. D. Gehrt, J. Goheen, G. D. Hartman, L. D. Hayes, S. Hooper, D. A. Kelt, J. G. Kie, K. Kilburn, C. W. Kilpatrick (Chair), A. Kurta, D. Leslie, J. Light, S. K. Lyons, B. McMillan, M. Matocq, M. L. McKnight, N. D. Moncrief, E. Oaks, D. K. Odell, L. Olson, J. Orrock, A. W. Reed, D. Reeder, T. E. Roberts, R. Rose, K. Rowe, P. Stapp, M. A. Steele, R. D. Stevens, K. D. Stone, B. Thomas, H. Thomas.

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) The deadline for applications for Grants-in-Aid was set at March 1, and that for fellowships was set at May 1. Few problems were experienced with the electronic submission of applications in 2008.
- (2) Membership on the committee was enlarged to 40 members. Don Kaufman, John Koprowski, and Winston Smith resigned from the committee after the annual meeting in June 2007. Thanks to Don, John, and Winston for their dedicated service to the Grants-in-Aid Committee. Five new members were added in January 2008 (Mark Brigham, John Kei, Jessica Light, Brock McMillan, and Dan Odell).
- (3) We received 100 applications for Grants-in-Aid. The number of applications appears to have stabilized at around a 100 applications (99 in 2007, 111 in 2006, 105 in 2005 and 110 in 2004) The committee ranked the proposals and 46 were selected for support (45 at the full level requested and 1 partially funded). 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 16 to 18 Grants-in-Aid applications. The committee members continue to make an effort to provide each applicant with some constructive comments on their proposal.
- (4) To ensure that the funds provided by the Society benefit the greatest number of qualified applications, efforts have been continued to ensure that no individual receives more than a single award in a given year. The list of names of applicants for Grants-in-Aid with a sufficient ranking score for funding was forwarded to the Latin American Fellowship Committee in late April. Applicants for Grants-in-Aids with a sufficient ranking score for funding who are also applicants for the ASM and/or Shadle Fellowships have been notified of their qualifying for GIA funding. However, they will not receive their GIA award until after the decision of the nominees for the fellowships is reached. If

they are not a nominee for either of the fellowships, they will receive their GIA. If they are a nominee for either of the fellowships, they will not be awarded a GIA. Names of the students who either have received a grant-in-aid or qualified for GIA funding but have also applied for a fellowship are attached to the end of this report.

(5) The recipient of the 2008 Elizabeth Horner Award for the best Grant-in-Aid proposal is Gina Sorrentino (Stony Brook University).

(6) In 2007, 20 fellowship applications were received and 18 were reviewed. Two were received after the deadline. The 2007 ASM Fellowship recipient was Justin Boyles (Indiana State University). The Shadle Fellowship recipient was Paul Velazco (University of Illinois at Chicago) and Jacob Esselstyn (University of Kansas) was designated as the alternate nominee for the Shadle Fellowship. We have received 10 fellowship applications for 2008. The fellowship applications received will be distributed to committee members electronically and nominees will be selected during a closed session at the annual meeting. The amounts of the American Society of Mammalogists Fellowship in Mammalogy will be \$19,000 and the Albert R. and Alma E. Shadle Fellowship in Mammalogy will be \$4,335 in 2008.

(7) There are still a few problems being encountered with the online submissions of letters of recommendation and reports on previous GIA support that will be addressed with representatives of the Informatics Committee and we will continue to work with the Informatics Committee to improve and streamline the online submissions of Grants-in-Aid applications.

Action items:

(1) 2009 Budget Request

Grants-in-Aid of Research 45 x \$1,500	\$67,500
ASM Fellowship	\$20,000
Banquet tickets for GIA recipients (10 X \$30)	\$300
Total Request	\$87,800

(2) 2008 ASM Grants-in-Aid Recipients

Gina Sorrentino, Anatomical Sciences, Stony Brook University, **\$1,500 + Elizabeth Horner Award (\$500) = \$2000**

Evolution of the therian reproductive dichotomy: insights from the developing marsupial

Julie Allen, Department of Zoology, University of Florida, **\$1,500**

Using parasites to elucidate behavioral patterns of Red Colobus monkeys (*Procolobus rufomitratu*s)

Bryan Arnold, Department of Biology, University of Maryland College Park, **\$1,500**
Project Title: Do Social Calls Recruit Relatives in Pallid Bats (*Antrozous pallidus*)?

Christina Booher, Biological Sciences, Auburn University, **\$1,500**
Bones, calcium and reproduction: the effects of calcium availability on reproductive performance in white-footed mice (*Peromyscus leucopus*)

Doug Boyer, Anatomical Sciences, Stony Brook University, **\$1,500**
Descriptive and Functional Morphology of Fossil Primates using MicroCT Data

Elizabeth Braun, Biology Department, Boston University, **\$1,500**
Foraging Behavior and Diversity of Bats in a Pecan Agroecosystem: Are bats providing an important pest control service?

Andrea Campanella, Department of Biology, New Mexico State University, **\$1,500**
Pulse driven population genetic structure of two Heteromyid rodents (*Dipodomys merriami* and *Dipodomys ordii*) in grassland-shrubland transition: a landscape approach

Frank Castelli, Department of Zoology, Miami University, **\$1,500**
The influence of the vasopressin 1a receptor gene (*avpr1a*) on monogamy in the prairie vole (*Microtus ochrogaster*).

Andreas Chavez, Department of Biology, University of Washington, **\$1,500**
Genetics of Hybridization in Tree Squirrels (Genus *Tamiasciurus*) from Two Contact Zones in the Pacific Northwest

Adrian Chesh, Department of Zoology, Miami University, **\$1,431**
Parasite infection and male reproduction in *Microtus ochrogaster*

Christopher Collins, Department of Ecology and Evolutionary Biology, State University of New York (SUNY) Albany, **\$1,500**
The Effect of Disease on Causes of Mortality in Deer Mice.

Lisa Noelle Cooper, Department of Anatomy, Northeastern Ohio Universities Colleges of Medicine and Pharmacy, **\$1,345**
Astragalar trabecular microarchitecture in fossil cetaceans and extant artiodactyls

Brandi Coyner, Department of Zoology, Oklahoma State University, **\$1,500**
Phylogenetic and biogeographic relationships of *Akodon* (Rodentia, Cridetidae)

Jamie Crait, Department of Zoology and Physiology, University of Wyoming, **\$1,400**
The impact of biological invasions on river otters and aquatic – terrestrial linkages in Yellowstone Lake

Leslie Curren, Department of Zoology, Michigan State University, **\$1,500**
Intrasexual selection in the spotted hyena: is sperm competition a selective force?

Benjamin Dantzer, Department of Zoology, Michigan State University, **\$1,500**
Hormone-mediated Maternal Effects in North American Red Squirrels

Lauri Das, Department of Zoology, Michigan State University, **\$900**
Proximate explanations for the effects of climate change on interspecific competition in Great Lakes' *Peromyscus*: Variation in life history strategy and temperament

Emiliano Donadio, Program in Ecology & Department of Zoology, University of Wyoming, **\$1,500**
Strongly interacting species: Does puma predation on wild camelids structures biological diversity in the semiarid landscapes of the Andes?

Jennifer Duggan, Department of Animal Biology, University of Illinois at Urbana-Champaign, **\$1,500**
Combining occupancy modeling with novel sampling strategies to create a predictive habitat model for *Spermophilus franklinii* (Franklin's ground squirrel)

Yadeeh Escobedo, Department of Biology, University of New Mexico, **\$1,500**
Phylogeography of *Sorex monticolus*, *Peromyscus keeni*, and *Microtus longicaudus* along the Northern Pacific Coast of North America: Implications for island endemics

Stefanie Gazda, Department of Biology, University of Massachusetts Dartmouth, **\$1,500**
A division of labor with role specialization in bottlenose dolphins

Thomas Giarla, Department Ecology, Evolution, and Behavior, University of Minnesota, **\$1,500**
Systematics of the Malagasy Rodent *Eliurus majori* and Comparative Phylogeography of Key Vertebrate Clades of Madagascar

Elizabeth Harp, Department of Biology, Colorado State University, **\$1,500**
Functional Genetic Diversity and Pathogen Resistance in Black-tailed Prairie Dogs (*Cynomys ludovicianus*)

Angela D. Hornsby, Department of Biological Sciences, Idaho State University, **\$1,500**
Genetic and morphological variation in bushy-tailed woodrats, *Neotoma cinerea*

Emily Kay, Department of Organismic and Evolutionary Biology, Harvard University, **\$1,500**
Hybridization between sympatric species: *Peromyscus leucopus* and *Peromyscus gossypinus*

Brandon Kilbourne, Committee on Evolutionary Biology, University of Chicago, **\$1,500**

The Conservation of Mechanical Energy During Terrestrial Locomotion: Pendular Dynamics and Limb Motion in Mammals

Justin Lack, Department of Zoology, Oklahoma State University, **\$1,500**

Phylogeography of the invasive species *Rattus rattus* and *Rattus norvegicus* in the United States

Hayley Lanier, University of Alaska Museum, University of Alaska Fairbanks, **\$1,425**

Tracking down refugial signals in the Wrangell-St. Elias region of Alaska

Lucia Luna, Department of Ecology and Evolutionary Biology, University of Michigan, **\$1,500**

Why are the Andes so diverse? Testing models of speciation and morphological diversity

Sean Maher, Natural History Museum and Department of Ecology & Evolutionary Biology, University of Kansas, **\$1,500**

Small mammals and pathogens along an elevational gradient

Natalie Melaschenko, Department of Biology, University of British Columbia Okanagan, **\$1,498**

Responding to cheatgrass at a range periphery: movement and population dynamics of small mammals

Karen Munroe, School of Natural Resources, University of Arizona, **\$1,345**

Social Behavior, Mating System and Ecology of Round-tailed Ground Squirrels

Eric Patterson, Department of Biology, Georgetown University, **\$1,500**

Sex-Dependant Social Transmission in Wild Bottlenose Dolphins (*Tursiops* sp.) Shark Bay, Western Australia

Carrie Seltzer, Department of Biological Sciences, University of Illinois at Chicago, **\$1,500**

Effects of fragmentation on seed dispersal by frugivorous bats in an Afrotropical rain forest

Maryke Swartz, Department of Biology, University of Nevada, Reno, **\$1,170**

Do desert rodents' caching microhabitats affect likelihood of pilferage?

Yi-jiun Tsai, Department of Biology, Georgetown University, **\$1,191**

Factors predicting reproductive failure among female dolphins (*Tursiops* sp.) in Shark Bay, Australia

Joseph Thomas, Department of Biology, University of Louisiana at Monroe, **Approved but withdrawn**

Relationship between Habitat Disturbance and Helminth Parasites

Andrew Van Eck, Department of Biology, University of Washington, **\$1,500**
Fragmentation & Hunting: deciphering the impacts on mammals

Robin Vaughn, Department of Wildlife and Fisheries Sciences, Texas A&M University, **\$1,500**
Dusky Dolphin Prey Herding: A Comparison Between Argentina and New Zealand

Carrie Veilleux, Department of Anthropology, University of Texas at Austin, **\$1,500**
Effects of Nocturnal Light Environment on the Evolution of Nocturnal Primate Color Vision

Elizabeth Watson, Department of Natural Resources and Environmental Sciences, University of Illinois, **\$1,500**
Effects of Urbanization on Movements and Anti-Predator Behavior of Woodchucks within an Agricultural Landscape

Sarah Weyandt, Committee on Evolutionary Biology, University of Chicago, **\$1,500**
Diversification in Philippine Rhinolophus bats: cryptic variation in an oceanic archipelago

Ryan Wilson, Department of Wildland Resources, Utah State University, **\$1,500**
Does predator avoidance determine bobcat core areas?

Cedric Worman, Department of Zoology, University of Florida, **\$1,500**
The alteration of landscape nutrient flows by human-induced increases in a generalist omnivore

Genevieve Wright, Department of Biology, University of Maryland, **\$1,485**
Social Influences on Foraging in Bats

Dou-Shuan Yang, Department of Biology and Burke Museum, University of Washington, **\$1,500**
Genomic architecture of adaptive traits in deer mice (*Peromyscus maniculatus*)

Adrian Young, Department of Organismic and Evolutionary Biology, Harvard University, **\$1,500**
Subspecific Mating System and Neural V1aR Expression Variation in *Peromyscus maniculatus*

Respectively submitted,
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