

## **Grants-in-Aid Committee**

**Committee Members:** 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. W. Kaufman, D. A. Kelt, C. W. Kilpatrick (Chair), K. Kilburn, J. L. Koprowski, A. Kurta, D. Leslie, S. K. Lyons, M. Matocq, M. L. McKnight, N. D. Moncrief, E. Oaks, L. Olson, J. Orrock, A. W. Reed, D. Reeder, T. E. Roberts, R. Rose, K. Rowe, W. P. Smith, P. Stapp, M. A. Steele, R. D. Stevens, K. D. Stone, B. Thomas, and 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 1 March, and that for fellowships was set at 1 May. Few problems were experienced with the electronic submission of applications in 2007.

(2) Membership on the committee was enlarged to 38 members. Brent Danielson resigned from the committee after the Annual Meeting in June 2006 and Felisa Smith retired from the Committee in March 2007. Thanks to both of these committee members for their dedicated service. Eight new members were added in January 2007 (Jake Goheen, Steve Hooper, Chip Leslie, Emily Oaks, Aaron Reed, DeeAnn Reeder, Trina Roberts, and Howard Thomas). Current membership is 38; however, someone with research interest in marine mammals would be a welcomed addition to the committee.

(3) We had 99 applications for Grants-in-Aid. The number of applications appears to have stabilized at around 100 (111 in 2006, 105 in 2005, and 110 in 2004). The committee ranked the proposals and 41 were selected for support (35 at the full level requested and 6 partially funded at \$1,472.50 each). As usual, members were impressed by the diversity and high quality of research activities proposed by the student members of ASM. Each committee member reviewed and ranked 17 to 18 grants-in-aid applications. The committee members have made an effort to provide each applicant with some constructive comments on their proposals.

(4) To ensure that the funds provided by the Society benefit the greatest number of qualified applicants, efforts have been made 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-Aid 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 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) Fellowships applications are now accepted electronically and the online submissions have functioned without any problems. In 2006, 8 applications were received and reviewed. Sergio Solari (Texas Tech University) received the ASM Fellowship. Ryan W. Norris (University of Vermont) was the Shadle nominee and Paul Velazco (University of Illinois at Chicago) was the alternate. We have received 18 fellowship applications for 2007. 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 award for the American Society of Mammalogists, Fellowship in Mammalogy will be \$18,000 and the Albert R. and Alma Shadle Fellowship in Mammalogy will be \$3,605 in 2007.

The 2007 ASM Fellowship recipient is Justin Boyles (Indiana State University). The nominee for the Shadle Fellowship is Paul Velazco (University of Illinois at Chicago) and the alternate is Jacob Esselstyn (University of Kansas). The recipient of the 2007 Elizabeth Horner Award for the best Grant-in-Aid proposal is Jacob Esselstyn (University of Kansas).

(6) We have improved the committee's efficiency in handling online submissions by converting each application into a single pdf file before it is sent to committee members for review. There were a few problems encountered with the online submissions of letters of recommendation 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) 2008 Budget Request**

Grants-in-Aid of Research (45 × \$1,500)	\$66,500
ASM Fellowship	\$19,000
Banquet tickets for GIA recipients (10 × \$30)	\$300
Total Request	\$85,800

**(2) 2007 ASM Grants-in-Aid Recipients**

**Jacob Esselstyn**, University of Kansas, Natural History Museum/Ecology & Evolutionary Biology, **\$1,500** + **Elizabeth Horner Award (\$500) = \$2000**  
The relative influences of geography and natural history on patterns of molecular diversity in Philippine mammals.

**Louise Allen**, Center for Ecology and Conservation Biology, Boston University, **\$1,500**.  
A Comparison of Stress Physiology in Bridge and Cave-roosting Brazilian Free-tailed Bats.

**Erin Atkin**, Department of Biological Sciences, Humboldt State University, **\$1,490**.  
Using Molecular Scatology to Assess Genetic Variation and Dispersal in River Otters (*Lontra canadensis*) of Coastal Northern California.

**Ken Berger**, Department of Biological Sciences, University of Idaho, **\$1,500**.  
Geometric morphometrics and phylogeography of the *Sorex ornatus*–*Sorex vagrans* complex.

**Kristin Bondo**, Department of Biology, University of Regina, **\$1,500**.  
Influence of solar radiation, roost temperature, and tree cavity volume on day-roost selection of maternity colonies of big brown bats *Eptesicus fuscus*.

**Rachel Bricklin**, Department of Biology, Eastern Michigan University, **\$1,500**.  
Thermoregulation in a tree-roosting population of evening bats (*Nycticeius humeralis*) during the reproductive season.

**Carson Brown**, Department of Biology, Angelo State University, **\$1,472.50**.  
Genetic Variation in the endangered Mexican long-nosed bat (*Leptonycteris nivalis*): a digenomic perspective.

**Joseph Busch**, Department of Forestry & Natural Resources, Purdue University, **\$1,500**.  
Sexual and natural selection on MHC genes in the banner-tailed kangaroo rat (*Dipodomys spectabilis*).

**Sarah Courbis**, Department of Biology, Portland State University, **\$1,500**.  
Population Structure of Island-Associated Dolphins.

**Brandi Coyner**, Department of Zoology, Oklahoma State University, **\$1,000**.  
Phylogenetic and Biogeographic Relationships of *Akodon* (Rodentia, Cricetidae).

**Andrew Flies**, Department of Zoology, Michigan State University, **\$1,500**.  
Pathogen exposure and immune response in a scavenging keystone species.

**Colin Garroway**, Department of Watershed Ecosystems Graduate Studies, Trent University, **\$1,500**.  
Interspecific hybridization as a results of climate warming.

**Meeghan Gray**, Department of Biology, University of Nevada, Reno, **\$1,500**.  
Paternity and parental behavior: using noninvasive fecal sampling in feral horses (*Equus caballus*).

**Laura Hajduk**, Department of Zoology, Southern Illinois University, **\$850**.  
Movement of long-tailed weasels in response to auditory cues of predators and prey.

**John Hanson**, Department of Biological Sciences, Texas Tech University, **\$500**.  
Molecular phylogenetics of Oryzomyini: Does a multigene approach help solve a systematic conundrum?

**Christopher Himes**, Department of Biology, University of Washington, **\$1,472.50**.  
Exploring potential secondary contact and intraspecific population structure in two primarily allopatric species.

**Frances Johnson**, Department of Biology, San Diego State University, **\$500**.  
Systematics and biogeography of South American Canids

**Sarah Johnson**, Department of Environmental Science and Policy, George Mason University, **\$1,475**.  
Population genetics of the native rodents of the Galápagos Islands.

**Nick Kerhoulas**, Department of Biological Sciences, Humboldt State University, **\$1,490**.  
Molecular Systematics and Biogeography of Mesoamerican Flying Squirrels.

**Evan Kingsley**, Department of Organismic and Evolutionary Biology, Harvard University, **\$1,500**.  
The genetic basis of adaptive convergence: pigmentation patterns in beach mice.

**Brian Kot**, Department of Ecology and Evolutionary Biology, University of California, Los Angeles, **\$1,500**.  
Comparative kinematics of lunge-feeding in rorqual whales.

**Sara Krause**, Department of Wildlife, Fisheries and Conservation Biology, University of California, Davis, **\$1,472.50**.  
Spatial ecology of sympatric introduced and native tree squirrels in California.

**Jennifer Lewis**, Department of Biological Sciences, Florida International University, **\$1,500**.  
Does human disturbance mimic predation threat? Measuring the impact of vessel traffic on habitat use by bottlenose dolphins.

**Peggy Macqueen**, School of Integrative Biology, The University of Queensland, **\$1,465**.  
Contemporary and historical patterns of population genetic structure in two species of wet forest pademelon (Macropodidae: Thylogale).

**Nora Magyara**, Department of Biological Sciences, University of Lethbridge, **\$1,500**.  
Multiple mating and paternal distribution in litters of Richardson's ground squirrels (*Spermophilus richardsonii*).

**Sean Maher**, Department of Ecology and Evolutionary Biology & Natural History Museum, University of Kansas, **\$1,472.50**.  
Spatial patterns of small mammal distributions and associated pathogens along an elevational gradient in the Colorado Rockies.

**Gregg Marcello**, Department of Zoology, Miami University, **\$500**.  
Fecal corticosteroid levels as an indicator of the perception of predation risk in *Peromyscus leucopus* in different forest habitats.

**Rosa Moscarella**, Department of Zoology, Michigan State University, **\$1,500**.  
Comparing and contrasting patterns of morphological and genetic variation in expanding populations of *Peromyscus leucopus noveboracensis*.

**Mariana Muñoz-Romo**, Department of Biology, Boston University, **\$1,400**.  
On the importance of chemical communication in the mating strategies of males of the long-nosed bat, *Leptonycteris curasoae* (Chiroptera: Phyllostomidae).

**Amanda Murray**, Department of Wildland Resources, Utah State University, **\$1,495**.  
Managing behavior in bighorn sheep: can reintroduction efforts be improved?

**Bret Pasch**, Department of Zoology, University of Florida, **\$1,500**.  
Are mountain passes higher in the tropics? An empirical test with singing mice and lice.

**Jose Santos**, Department of Integrative Biology, Museum of Vertebrate Zoology, **\$1,500**.  
Ecology of sociality in rodents: the role of food reevaluated.

**Brent Sewall**, Dept of Wildlife, Fish, and Conservation Biology, University of California, Davis, **\$1,500**.  
Primate foraging ecology and conservation: a test of food selection theories in the crowned lemur (*Eulemur coronatus*) and Sanford's lemur (*E. sanfordi*) in northern Madagascar.

**Elise Apple Snider**, Department of Fish, Wildlife and Conservation Biology, Colorado State University, **\$1,472.50**.  
Ecological characteristics of bats in Mesa Verde National Park, Colorado.

**Daniel Thornton**, Department of Wildlife Ecology and Conservation, University of Florida, **\$1,500**.  
Local versus landscape factors as determinants of neotropical mammal distributions in heterogeneous landscapes.

**Wenfei Tong**, Department of Organismic and Evolutionary Biology, Harvard University, **\$1,500.**

Characterizing the behavioral, physiological and genetic variation in wild populations of mound-building mice (*Mus spicilegus*).

**Jack Tseng**, Department of Biological Sciences, University of Southern California, **\$1,472.50.**

Evolution of cranial structure and biomechanics in Hyaenidae.

**Amy Turmelle**, Department of Ecology and Evolutionary Biology, University of Tennessee, **\$1,500.**

Geographic variation of rabies exposure and immunity in Brazilian free-tailed bats (*Tadarida brasiliensis*).

**Paul Velazco**, Department of Mammals, The Field Museum, **\$1,500.**

Genetic and morphometric variation of the bat genus *Platyrrhinus* (Chiroptera: Phyllostomidae).

**Elizabeth Watson**, Department of Natural Resources and Environmental Sciences, University of Illinois, **\$1,500.**

Effects of urbanization on mortality and predation risk of woodchucks (*Marmota monax*) within an agricultural landscape.

**Corey Welch**, Burke Museum and Department of Biology, University of Washington, **\$1,500.**

Genetic differentiation of alpine and lowland populations of Townsend's Mole (*Scapanus townsendii*) in Washington State.

**Julie Woodruff**, Department of Integrative Biology, Museum of Vertebrate Zoology, University of California, Berkeley, **\$1,500.**

Comparing physiological costs in lone and group living animals.

**Dou-Shuan Yang**, Department of Zoology, University of Washington, **\$1,500.**

Population history and biogeography of *Peromyscus maniculatus* in the Pacific Northwest.

**Adrian Young**, Department of Ecology, Behavior, and Evolution, University of California, San Diego, **\$1,500.**

The genetic and neural architecture of mammalian mating system variation.

**Respectfully submitted,**

C. William Kilpatrick, Chair

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