

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

**Committee Members:** J. Boyles, M. Brigham, B. Butler, L. N. Carraway, C. J. Conroy, T. L. Derting, J. W. Dragoo, C. W. Edwards, S. D. Gehrt, J. Goheen, G. D. Hartman, L. D. Hayes, G. Hayssen, S. Hooper, D. A. Kelt, J. G. Kie, K. Kilburn, C. W. Kilpatrick, (Chair), J. Light, S. K. Lyons, B. McMillan, M. Matocq, M. L. McKnight, R. W. Norris, E. Oaks, D. K. Odell, L. Olson, J. Orrock, A. W. Reed, D. Reeder, T. E. Roberts, R. Rose, K. Rowe, P. Stapp, R. D. Stevens, K. D. Stone, H. Thomas, M. 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) The deadline for applications for Grants-in-Aid was set at 1 March, and that for fellowships was set at 1 May. No problems were experienced with the electronic submission of applications in 2009.

(2) Membership on the committee is currently 38 members. John Demboski, Allen Kurta, Chip Leslie, Nancy Monclief, Mike Steele, and Barry Thomas stepped down from the committee during the last year. Thanks to Nancy, John, Allen, Chip, Mike, and Barry for their dedicated service to the Grants-in-Aid Committee. Four new members were added in January 2009 (Justin Boyles, Ginny Hayssen, Ryan Norris, and Michael Worrell). Three additional members have informed me that they will be resigning from the committee this year so we are looking for additional members. Please contact me if you are interested in serving on this committee.

(3) We received 91 applications for Grants-in-Aid for 2009, a little below the average of approximately 100 applications received over the past few years. The budget for Grant-in-Aid was reduced \$32,350 by the Board and the GIA Committee elected to reduce the funding level of each award to approximately \$1000. Seven GIA proposals were not considered for funding due to lack of a letter of support from the student's major professor. The committee ranked the remaining 84 proposals and 34 were selected for support (31 at \$1000 and 3 at \$450). 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 or 17 Grants-in-Aid applications. The committee members continue to make an effort to provide each applicant with some constructive comments on their proposal. 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.

(4) The recipient of the 2009 Elizabeth Horner Award for the best Grant-in-Aid proposal is Brian Klingbeil (University of Connecticut).

(5) In 2008, 18 fellowship applications were received and reviewed. The 2008 ASM Fellowship recipient was Jake Esselstyn (University of Kansas). The Shadle Fellowship recipient was Andrew Edelman (University of New Mexico). We have received 9 fellowship applications for 2009. 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 funding for the American Society of Mammalogists Fellowship in Mammalogy will be \$5,000 (reduced by the Board in March 2009) and the Albert R. and Alma E. Shadle Fellowship in Mammalogy will be \$4,639 in 2009.

(6) 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; we will continue to work with the Informatics Committee to improve and streamline the online submissions of Grants-in-Aid applications.

**Action items:**

(1) 2010 Budget Request

Grants-in-Aid of Research 30 x \$1,500	\$45,000
Horner Award	\$500
ASM Fellowship	\$10,000
Banquet tickets for GIA recipients (10 X \$30)	\$300
Total Request	\$55,800

(2) 2009 ASM Grants-in-Aid Recipients

**Brian Klingbeil**, Department of Ecology and Evolutionary Biology, University of Connecticut; **\$1,000 + Horner Award (\$500) = \$1,500**  
Multi-scale responses of bats to landscape structure in Puerto Rico

**Christina Booher**, Department of Biological Sciences, Auburn University; **\$1,000**  
Lifetime reproductive output of white-footed mice (*Peromyscus leucopus*) in response to skeletal and dietary calcium availability

**Katy Califf**, Department of Zoology, Michigan State University; **\$1,000**  
Genetic diversity in two species of hyena: influence of sociality and implications for mechanisms of mate choice

**Laura Cisneros**, Department of Ecology and Evolutionary Biology, University of Connecticut; **\$1,000**

Effects of landscape characteristics on the spatial organization of bat communities in fragmented Neotropical rainforests

**Bridget Conneely**, Department of Zoology, University of British Columbia; **\$1,000**

Habitat selection and the establishment of a grazing succession by reintroduced ungulates in Gorongosa National Park, Mozambique

**Sarah Courbis**, Department of Biology, Portland State University; **\$1,000**

Population structure of pantropical spotted dolphins near the Hawaiian Islands using DNA and photo-identification

**Bogdan Cristescu**, Department of Biological Sciences, University of Alberta; **\$1,000**

Ecology and behavior of grizzly bears (*Ursus arctos horribilis*) in response to open-pit mining, and implications for management and conservation

**Lauri Das**, Department of Zoology, Michigan State University; **\$1,000**

A behavioral mechanism for disparate responses to climate change in Great Lakes' *Peromyscus*

**Ben Dantzer**, Department of Zoology, Michigan State University; **\$1,000**

Hormone-mediated life history tradeoffs: following up on what avian studies left behind

**Jennifer Duggan**, Department of Animal Biology, University of Illinois at Urbana-Champaign; **\$1000**

The effects of habitat fragmentation on the genetic structure of *Spermophilus franklinii* (Franklin's ground squirrel)

**Eliecer Gutierrez**, Department of Biology, City University of New York; **\$1,000**

Phylogenetics and biogeography of mouse opossums (Didelphidae: *Marmosa*)

**Chris Habeck**, Department of Zoology, University of Wisconsin; **\$1,000**

The regulation of ecosystem structure and function by herbivorous rodents in grasslands

**Kyndall Hildebrandt**, University of Alaska Museum Mammal Collection, University of Alaska Fairbanks; **\$1,000**

Phylogeography and environmental niche modeling of the web-footed tenrec (*Limnogale mergulus*) using noninvasive techniques

**Andrew Hope**, Department of Biology, University of New Mexico; **\$450**

Comparative phylogeography of the northern high latitudes: testing refugial hypotheses

**Angela Horner**, Department of Biological Sciences, Ohio University; **\$1,000**

Feeling the Squeeze: a comparative analysis of the energetic costs of tunnel locomotion

**Jane Indorf**, Department of Biology, University of Miami; **\$1,000**  
Phylogeography of marsh rice rats (*Oryzomys palustris*) in wetlands of the southeastern United States

**Emily Kay**, Department of Organismic and Evolutionary Biology, Harvard University; **\$1,000**  
Mate discrimination between two sister species of mice, *Peromyscus leucopus* and *Peromyscus gossypinus*

**Julia Kilgour**, Department of Biology, University of Regina; **\$450**  
Determining the nature of social relationships in big brown bats, *Eptesicus fuscus*

**Rafael Leite**, Department of Biology, Brigham Young University; **\$1,000**  
Biogeography and evolution of Neotropical small mammals, with emphasis on hystricognath spiny-rats

**Kristen Lucia**, Department of Zoology, Miami University; **\$1,000**  
A field test of the effects of inbreeding on adult prairie voles (*Microtus ochrogaster*)

**Janet Maclean**, Department of Zoology, University of British Columbia; **\$1,000**  
Mammalian herbivores, plant defenses, and demographic trade-offs as determinants of landscape heterogeneity in savanna ecosystems

**Cindy Mathiasen**, Department of Biology, University of New Mexico; **\$1,000**  
Survival in an extreme environment: energy and water flux in *Neotoma lepida* in Death Valley

**Marianne Moore**, Department of Biology, Boston University; **\$1,000**  
Innate immune defense against *Geomyces* in the little brown myotis (*Myotis lucifugus*)

**Adrian Munguia-Vega**, School of Natural Resources, University of Arizona; **\$1,000**  
Molecular tracking of three species of rodents in a fragmented landscape from the Sonoran Desert to prevent the extirpation and extinction of endemic mammals from the Baja California Peninsula

**Teri Orr**, Department of Biology, University of California, Riverside; **\$1,000**  
Testing the cost and benefits of reproductive delays in the Jamaican fruit bat

**Bret Pasch**, Department of Zoology, University of Florida; **\$1,000**  
Behavioral and neural mechanisms of altitudinal replacement in singing mice

**Yadeeh Sawyer**, Department of Biology, University of New Mexico; **\$1,000**  
Testing the Coastal Refuge Hypothesis: comparative phylogeography of three mammals in the Alexander Archipelago of the North Pacific

**J. Angel Soto-Centeno**, University of Florida - Florida Museum of Natural History; **\$1,000**

A multi-locus approach to estimating inter-island genetic diversity, migration, and population structure in an endemic West Indian bat

**Elizabeth St Clair**, Department of Anthropology, Stony Brook University; **\$1,000**  
Morphological and ecological diversity in platyrrhine and prosimian primates

**Megan Strauss**, Ecology, Evolution & Behavior, University of Minnesota; **\$1,000**  
Population regulation in giraffes (*Giraffa camelopardalis*): is the tallest mammal food-limited?

**Eli Swanson**, Department of Zoology, Michigan State University; **\$1,000**  
Effects of human domination of landscapes on gene flow in carnivores

**Zachary Taylor**, Department of Zoology, Miami University; **\$1,000**  
The effects of major landscape barriers on genetic structure in the deer mouse *Peromyscus maniculatus*

**Georgina Voegele**, Center for Functional Anatomy & Evolution, Johns Hopkins University School of Medicine; **\$450**  
Limb anatomy and the evolutionary relationships of the aardvark, *Orycteropus afer*

**Mrinalini Watsa**, Department of Anthropology, Washington University in Saint Louis; **\$1,000**  
Genetic structure and chimerism in a free ranging saddle-back tamarin (*Saguinus fuscicollis*) population in southeastern Peru

**Respectively submitted,**  
C. William Kilpatrick, Chair  
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