

## Grants-in-Aid Committee

**Committee Members:** A. A. Ahlers, J. R. Burger, B. Buttler, C. J. Conroy, T. L. Derting, J. A. Esselstyn, E. A. Flaherty, S. Gehrt, T. Giarla, J. R. Goheen, G. D. Hartman, V. Hayssen, C. Himes, A. G. Hope, D. M. Kaufman, J. L. Koprowski, H. C. Lanier, P. Larsen, S. C. Loeb, S. K. Lyons, K. E. Mabry (Chair), B. McMillan, D. K. Odell, B. Pasch, M. Pinto, A. W. Reed, D. M. Reeder, T. E. Roberts, K. C. Rowe, J. Ryan, R. L. Schooley, P. T. Stapp, P. Velazco.

### **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 at 33 members. Two members left the Committee this year, and we thank them for their service to the Grants-in-Aid Committee. Members leaving the Committee in 2016 are Mark Brigham and Mark McKnight. We are always looking for additional members to maintain our number of members at 40. Please contact me if you are interested in serving on this Committee.
- (2) We received 76 applications for Grants-in-Aid for 2016, which is lower than the 102 applications received in 2015, but comparable to 2014's 82 applications. The budget for Grants-in-Aid was set by the Board at \$56,300 for 2016. The Committee ranked the 76 proposals and 39 were selected for support based on their average ranking. The quality of the proposals continues to increase. 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 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 2016 Grant-in-Aid are attached to the end of this report.
- (3) This year's Horner Award winner for the top-ranked GIA proposal is **Caitlin Karniski** (Georgetown University).
- (4) In 2015, 8 fellowship applications were received and reviewed. The 2015 ASM Fellowship recipient was **Kayce Bell** from the University of New Mexico. The Shadle Fellowship recipient was **Silvia Pavan** from the City University of New York and the American Museum of Natural History. We received 8 fellowship/award applications for the 2016 competition. These 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 will be \$7,500 and the Albert R. and Alma E. Shadle Fellowship in Mammalogy will be approximately \$4,500 in 2016.

## Action items:

### (1) 2016 Budget Request

Grants-in-Aid of Research 37 x \$1,500	\$55,500
Horner Award	\$500
ASM Fellowship	\$7,500
Social tickets for students 10 x \$20	\$200
Total Request	\$63,500

### (2) 2016 ASM Grants-in-Aid Recipients

Caitlin Karniski. **Horner Award Winner**. Georgetown University. Reproductive senescence in bottlenose dolphins: implications for the evolution of menopause. \$1,500 + \$500 = \$2,000.

Lucrecia Aguilar. Rice University. Object curiosity among the great apes: relation to tool proficiency. \$900.

Daniel Becker. University of Georgia. Uncovering individual and habitat correlates of *Bartonella* and *Mycoplasma* infection in common vampire bats in the Peruvian Amazon. \$1,500.

Alexandra Bentz. University of Georgia. Land-use change effects on vampire bat behavior and disease transmission. \$1,446.

Alyson Brokaw. Texas A&M University. Olfactory cues and female preference in the little yellow-shouldered bat (*Sturnira lilium*). \$1,100.

Kris Budd. University of Missouri. Determining the population structure of the Asian elephant in Lao PDR. \$1,500.

Jocelyn Colella. University of New Mexico. Genomic characterization of semi-permeable species boundaries among marten (*Martes* sp.) of northwestern North America. \$1,500.

Jennifer Dalton. University of Illinois at Chicago. Will Arctic ground squirrels facilitate shrub encroachment in the Arctic tundra? \$1,495.

Yvonne Dzal. University of British Columbia. Mechanisms underlying enhanced tolerance to low environmental oxygen in bats. \$1,500.

Andreas Eleftheriou. University of Montana. Stress effects from anthropogenic habitat modification on Sin Nombre virus prevalence in deer mice (*Peromyscus maniculatus*). \$1,000.

Katie Everson. University of Alaska, Fairbanks. Genomic species delimitation in tenrecs (Tenrecidae), a mammalian radiation endemic to Madagascar. \$1,500.

Victoria Flores. University of Chicago. The role of a novel odorous signal in fringe-lipped bats (*Trachops cirrhosus*). \$1,499.

Grace Freymiller. San Diego State University. Interspecific variation in evasive behavior of kangaroo rats (*Dipodomys* spp.). \$1,345.

Katherine Gillman. University of New Hampshire. Demography of a recovery: remnant bat populations rebounding from white-nose syndrome. \$1,000.

Peter Guiden. University of Wisconsin, Madison. Temporal dynamics of small mammal activity in novel invaded habitats. \$1,500.

Emily Hager. Harvard University. Tail length and climbing behavior across an environmental cline in deer mice. \$1,432.

Edward Hurme. University of Maryland, College Park. How do bats find fish? Investigating the foraging behavior and sensory ecology of the fish-eating *Myotis*, *Myotis vivesi*. \$1,500.

Aviv Karasov-Olson. University of California, Davis. Identifying key drivers of change in small mammal distributions \$1,440.

Jamie Kass. City College of New York. Uncovering the drivers of invasive *Procyon lotor* spread in Japan and its effects on the native *Nyctereutes procyonoides*. \$1,500.

Maureen Kessler. Montana State University. From nomadic forager to urban resident: using a novel energetics approach to investigate the link between habitat loss, nutritional stress, and urban habituation of Australian flying foxes. \$1,500.

Brooks Kohli. University of New Hampshire. Small mammal community dynamics over space and time in the Great Basin. \$1,500.

Victoria Luce. California State University, Long Beach. The characteristics of aposematism and noxious spray in the striped skunk (*Mephitis mephitis*). \$1,500.

Leigha Lynch. Oklahoma State University. How equivalent are morphological and molecular species and subspecies? Testing a 12000-year record of fossil and recent *Martes*. \$1,429.

Macy Madden. Texas Tech University. The power of one: intraspecific variation in bat pollination services to baobabs in South Africa. \$1,500.

Philip Manlick. University of Wisconsin, Madison. History and conservation of American martens (*Martes americana*) on Isle Royale. \$1,500.

Jesyka Melendez. University of California, Berkeley. Density dependent MHC-mediated mate choice patterns in the monogamous *Peromyscus californicus*. \$1,500.

Julieta Merlo. Instituto de Investigaciones Marinas y Costeras. Cytokines and toll-like receptors expression as a tool to deeper understand the immune function of tuco-tucos. \$1,500.

Madison Miketa. Georgetown University. How stable are association preferences in female dolphins in Shark Bay, Australia? \$1,500.

Juri Miyamae. Yale University. Genetic basis of mammalian facial muscle development. \$1,468.

Jennifer Moore. University of Florida. The creatures of the dark: quantifying richness and distribution of the nocturnal mammalian community of Nyungwe National Park. \$1,000.

Alexis Mychajliw. Stanford University. Does dietary flexibility promote resilience in a relictual insectivore, the Hispaniolan solenodon? \$573.

Jonathan Nations. Louisiana State University. Scansoriality and the ecomorphology of murine rodents. \$1,480.

Emily Potratz. University of Illinois at Chicago. Preparing for success: behavioral indicators of survival of reintroduced black-footed ferrets. \$1,475.

Dakota Rowsey. University of Minnesota. Putting adaptive radiation to the test: multi-clade evolution on an oceanic island. \$1,494.

Erin Siracusa. Guelph University. Does conditional reciprocity drive cooperative interactions in the territorial squirrel *Tamiasciurus hudsonicus*? \$1,500.

John Stuhler. Texas Tech University. Spatial ecology of the Texas kangaroo rat (*Dipodomys elator*): predicting present distribution of a rare species by incorporating microhabitat characteristics into species distribution modeling. \$1,494.

Mark Swanson. Louisiana State University. Does the community composition of *Peromyscus* mice affect the taxonomic diversity of their gut microbes? \$1,500.

Marie Westover. University of New Mexico. Living at the edge: drivers of density for a threatened alpine mammal. \$1,500.

Sarah Westrick. University of Michigan. Manipulating perception of predation risk in North American red squirrels. \$1,500.

**Respectively submitted,**

Karen E. Mabry, Chair

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