

## Grants-in-Aid Committee

**Committee Members:** R. M. Brigham, B. Buttler, C. J. Conroy, T. L. Derting, J. A. Esselstyn, S. Gehrt, J. R. Goheen, G. D. Hartman, V. Hayssen, C. Himes, D. M. Kaufman, J. L. Koprowski, H. C. Lanier, P. Larsen, S. C. Loeb, K. Lyons, K. Mabry (Chair), B. McMillan, M. L. McKnight, D. K. Odell, B. Pasche, M. Pinto, D. Reeder, T. E. Roberts, K. C. Rowe, 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 down to just 28 members. Several members left the Committee this year, and we thank them for their service to the Grants-in-Aid Committee. Members leaving the Committee in 2015 are Richard Stevens, Bob Rose, Kurt Galbreath, Tereza Jezkovat, and Diane Post. 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 102 applications for Grants-in-Aid for 2015, which is back up to the average of approximately 100 applications received over the past few years, and a good bit higher than last year's 82 applications. The budget for Grants-in-Aid was set by the Board at \$56,300 for 2015. The Committee ranked the 102 proposals and 41 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 approximately 20 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 2015 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 Jennifer Chandler (University of Wisconsin-Madison).
- (4) In 2014, 9 fellowship applications were received and reviewed. The 2014 ASM Fellowship recipient was Melissa Merrick from the University of Arizona. The Shadle Fellowship recipient was **Nicté Ordóñez-Garza** from Texas Tech University. We received 8 fellowship/award applications for the 2015 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 2015.

### **Action items:**

(1) 2015 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
<b>Total Request</b>	<b>\$63,500</b>

(2) 2015 ASM Grants-in-Aid Recipients

Jennifer Chandler. **Horner Award Winner.** University of Wisconsin-Madison. Cascading effects of a recolonizing apex predator: does the return of the gray wolf influence small mammal abundance, behavior, or both? \$1,000 + \$500 = \$1,500.

Marcella Baiz. University of Michigan. Genome-wide signatures of speciation in a primate hybrid system. \$1,500.

Brendan Barrett. University of California, Davis. Dispersal and resource inheritance in woodrats: integrating models and field studies of territory bequeathal. \$1,500.

Joseph Baumgartner. Miami University. Genetic and shape diversity of newly established *Peromyscus leucopus* populations in Michigan's Upper Peninsula. \$1,050.

Nicole Bedford. Harvard University. RFID tracking of burrow usage in oldfield mice. \$1,500.

Angela Burke. Northern Illinois University. Small mammal responses to bison reintroduction and prescribed fire in one of the world's most threatened ecosystems. \$1,500.

Timothy Campbell. Texas A&M University. Rodent taxonomic identification and ecological functional morphology using postcranial. \$1,451.50.

Jocelyn Colella. University of New Mexico. Genomic and morphometric investigation of evolution and hybridization in marten (*Martes* spp.) of northwestern North America. \$1,500.

Samantha DelSerra. University of Minnesota. Characterizing an adaptive radiation: phylogenetic and morphological studies of Madagascar's endemic rodents. \$1,500.

Caitlin Eschmann. University of Bristol. Conservation of the blue-eyed black lemur (*Eulemur flavifrons*): hybridization with the sympatric black lemur (*E. macaco*). \$1,500.

Victoria Flores. University of Chicago. The role of chemical signals in sexual selection: a novel trait in fringe-lipped bats (*Trachops cirrhosus*). \$1,400.38.

Johnnie French. Portland State University. Systematics, biogeography, and ecology of the mountain cottontail, *Sylvilagus nuttallii*. \$1,500.

Kyle George. Eastern Michigan University. Cutaneous microbes of cave-hibernating bats: clues to resistance to White-Nose Syndrome? \$1,500.

Rachael Giglio. University of Wisconsin-Milwaukee. Evolution of MHC diversity: competing effects of genetic drift and parasite-mediated balancing selection. \$1,500.

Anne-Marie Hodge. University of Wyoming. From mesopredator release to invasive cacti: can large carnivores bolster range quality by suppressing plant invasions? \$1,050.

Katherine Ingram. University of California, Davis. Incorporating bats in agroecosystem management and crop protection decisions. \$1,500.

Matthew Jones. University of Montana. The genetic basis of adaptive seasonal coat color change in snowshoe hares. \$1,050.

Rochelle Kelly. University of Washington. Exploring the relationship between ecological niche breadth and dispersal among Pacific Northwest bats. \$1,050.

Rebecca Kirby. University of Wisconsin-Madison. Do hibernation and habitat quality drive senescence in bears? A longitudinal study of telomere dynamics. \$1,500.

Brandon Klug. University of Regina. Wing physiology of bats overwintering in arid conditions and the possible implications for susceptibility to White-Nose Syndrome. \$1,500.

Connor Lambert. Miami University. The ecological relevance of estrogen receptor alpha expression to male prairie vole sociosexual behavior. \$1,500.

Rachel Larson. University of Wisconsin-Madison. Connectivity and genetic structure of American black bears across the southern Rocky Mountains. \$1,050.

Mary Elise Lauterbur. Stony Brook University. Selection for an unusual adaptation – The biochemical and genetic basis of cyanide tolerance in mammals. \$1,050.

Ting-Ting Lin. University of California, Berkeley. The dynamics of introgression in the California vole (*Microtus californicus*) hybrid zone. \$1,500.

Rachel Olson. University of Ohio. Functional morphology of suspensory locomotion and positional behaviors in *Bradypus*. \$500.

Beatriz Otero Jimenez. University of Michigan. Effects of agricultural management practices on the dispersal and population structure of specialist and generalist small mammals. \$1,500.

M. Aaron Owen. Queens College. Relaxed sexual selection following introduction in the invasive small Indian mongoose (*Herpestes auropunctatus*). \$1,500.

Lillian Parker. George Mason University. Phylogeography and species delimitation of cuscuses on Wallace's "anomalous island". \$1,500.

Andrew Rankin. Northern Michigan University. Molecular evolution of biological indicator species: the American pika (*Ochotona princeps*). \$1,000.

Maria Cristina Rios Blanco. Texas Tech University. Environmental characteristics effect in bat community structure along an elevational gradient: effects of new scenarios of anthropogenic land use and climate change. \$1,481.19.

Catherin Rubin. University of Alaska, Fairbanks. Phenological plasticity in an 'alpine' hibernator, the hoary marmot. \$1,200.

Cecilia Sanchez. University of Georgia. Developing a framework to assess nutritional condition of flying foxes, with consequences for infection dynamics. \$1,500.

Anna Sjodin. University of Connecticut. Host diversity and disease: the Dilution-Amplification Debate in Chiropteran Communities. \$1,500.

Stephanie Smith. University of Washington. Mammalian faunal recovery following the Cretaceous-Paleogene mass extinction: evidence from northeastern Montana, USA. \$1,117.

Ryan Stephens. University of New Hampshire. Mycophagy and consumer competition: small mammals as ecosystem engineers of ectomycorrhizal fungal diversity. \$1,500.

Mekala Sundaram. Purdue University. A shell game: detection of hardwood seed dormancy by *Sciurus carolinesis*. \$1,500.

Brian Tanis. Oregon State University. Dynamic predator interactions: combining niche estimators to assess mesopredator release through time. \$1,023.

Cory Toth. University of Auckland. Mysterious Mystacina: lek breeding in the lesser short-tailed bat (*Mystacina tuberculata*). \$1,500.

Matthew Warren. Auburn University. Dietary protein effects on milk metagenome, secretory IgA, and mouse pup mucosal immunity. \$1,500.

Jessica Weber. University of New Mexico. Molecular evolution of high-altitude adaptation in wild cavies. \$1,500.

Cole Wolf. University of Illinois at Urbana-Champaign. The evolutionary consequences & mechanistic basis of variation in body composition in *Peromyscus maniculatus*. \$1,500.

**Respectively submitted,**

Karen E. Mabry, Chair

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