

Grants-in-Aid Committee

Committee Members: A. A. Ahlers, J. R. Burger, B. Buttler, C. J. Conroy, T. L. Derting, J. A. Esselstyn, S. Gehrt, T. Giarla, J. R. Goheen, G. D. Hartman, V. Hayssen, A. G. Hope, D. M. Kaufman, J. L. Koprowski, H. C. Lanier, P. Larsen, S. C. Loeb, K. E. Mabry (Chair), B. McMillan, M. Merrick, D. K. Odell, N. Ordóñez-Garza, B. Pasch, A. W. Reed, T. E. Roberts, K. C. Rowe, J. Ryan, R. L. Schooley, 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 29 members. Six members left the Committee this year, and we thank them for their service to the Grants-in-Aid Committee. Members leaving the Committee in 2017 are E. A. Flaherty, C. Himes, S. K. Lyons, M. Pinto, D. M. Reeder, and P. T. Stapp. We are always looking for additional members to return our number of members to 40. Please contact me if you are interested in serving on this Committee.

(2) We received 109 applications for Grants-in-Aid for 2017. The budget for Grants-in-Aid was set by the Board at \$56,200 for 2017. The Committee ranked the 109 proposals and 38 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 2017 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 **Philip Manlick** (University of Wisconsin).

(4) In 2016, 8 fellowship applications were received and reviewed. The 2016 ASM Fellowship recipient was **Bryan McLean** from the University of New Mexico. The Shadle Fellowship recipient was **Angela Hornsby** from the University of Nevada, Reno. We received 6 fellowship/award applications for the 2017 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 \$10,000 and the Albert R. and Alma E. Shadle Fellowship in Mammalogy will be approximately \$4,500 in 2017.

Action items:

(1) 2017 Budget Request

Grants-in-Aid of Research 37 x \$1,500	\$55,500
Horner Award	\$500
ASM Fellowship	\$12,500
Social tickets for students 10 x \$20	\$200
Total Request	\$68,700

(2) 2017 ASM Grants-in-Aid Recipients

Philip Manlick. Horner Award Winner. University of Wisconsin. Landscape-mediated competition and trophic structure in North American carnivores. \$1,500 + \$500 = \$2,000.

Jaclyn Aliperti. University of California, Davis. Behavioral and spatial dynamics in a fluctuating population of an asocial small mammal. \$1,492.

Briana Anderson. Missouri State University. Energetics and immune function of hibernating bats infected with WNS. \$1,500.

Margaret Bain. University of Guelph. The effects of the acoustic niche hypothesis on territorial vocalizations in a population of free-ranging red squirrels. \$1,200.

Alexandra Burnett. University of Arizona. Structure and function of alarm communication in a solitary mammal. \$1,500.

Jeffrey Clerc. Texas Tech University. Stopover efficiency optimization across two unique migratory strategies in bats. \$1,489.

Jocelyn Colella. University of New Mexico. Genomic characterization of hybrid histories among North American marten (*Martes* sp.). \$1,500.

Alexandra DeCandia. Princeton University. Unraveling the molecular pathology of mange: exploring drivers of sarcoptic mange severity in North American canids. \$1,500.

Danielle Drabeck. University of Minnesota. Molecular and functional characterization of a coevolutionary arms race. \$1,500.

Saeideh Esmaeili. University of Wyoming. Mapping migration routes and habitat selection of the globally-endangered onager (*Equus hemionus onager*). \$1,500.

Nathaniel Fox. University of California, Merced. Tracking small mammal niche plasticity and persistence in Southern California using stable isotopes. \$1,500.

Marianne Gagnon. Temple University. Does genetic diversity of the major histocompatibility complex correlate with bat responses to white-nose syndrome? \$1,500.

Deanna Goldstein. Johns Hopkins University School of Medicine. Geometric properties of the third metacarpal bone: a comparison between Thoroughbred, Standardbred, and Quarter Horse racehorses. \$1,325.

Grace Griffiths. Northern Arizona University. The role of vocalizations in mate recognition among sympatric grasshopper mice (*Onychomys*). \$1,500.

Nicholas Johnson. North Dakota State University. Social group personality composition and its effect on offspring in a caviomorph rodent, *Octodon degus*. \$1,500.

Aviv Karasov-Olson. University of California, Davis. Habitat associations of small mammals along an elevation gradient. \$1,180.

Maureen Kessler. Montana State University. Comparing the diet quality, health, and foraging behavior of urbanized and nomadic Australian flying foxes in New South Wales. \$1,500.

Agnese Lanzetti. San Diego State University. Lost in transition: ontogeny of tooth formation and loss in fetal baleen whales and implications for mysticete evolution. \$1,500.

Kenna Lehmann. Michigan State University. Functional significance of “whoop” vocalizations emitted by male spotted hyenas. \$1,500.

Ting-Ting Lin. University of California, Berkeley. The role of the gut microbiome in a recent speciation event: An inference from the biogeographic pattern of gut microbial community. \$1,500.

Schuyler Liphardt. University of New Mexico. The genomics of insectivorous mammals as reservoir for disease. \$1,500.

Marina Morandini. University of Arizona. What makes a midden attractive? Impacts of red squirrels on biodiversity. \$1,500.

Xorla Ocloo. University of Michigan. Mapping the transmission of protozoan parasites in human and *Alouatta palliata mexicana* populations. \$1,500.

Megan Petersdorf. New York University. The reproductive ecology of the little-known Kinda baboon (*Papio kindae*). \$1,450.

Robert Richards. University of Georgia. The effect of predator exclusion and habitat heterogeneity on environmentally transmitted parasites of cotton rats. \$1,500.

Jack Robertson. University of Guelph. The dear enemy phenomenon via individual-specific vocalizations of red squirrels (*Tamiasciurus hudsonicus*). \$1,500.

Connie Rojas. Michigan State University. Longitudinal analysis of gut microbiome stability, structure, and function in a wild mammal. \$1,500.

Emily Roycroft. University of Melbourne. Detecting genomic convergence across biome transitions in the *Pseudomys* Species Group. \$1,500.

Anne Sabol. University of Michigan. Investigating the associations between mating strategy and the gut microbiome in free-living prairie voles. \$1,500.

Maggie Sawdy. Michigan State University. The role of nepotism in the success of young spotted hyenas. \$1,500.

Sharmi Sen. University of Michigan. Male dispersal, reproductive strategies, and paternity in wild geladas. \$1,500.

Kathryn Stanchak. University of Washington. Evolutionary novelty in the hindlimbs of bats. \$1,400.

Jenelle Wallace. University of Cincinnati. Isotopically reconstructing horse mobility in Miocene Florida. \$1,452.

Lisa Walsh. University of Michigan. Evaluating geographic and historical variation in the Virginia opossum diet using stable isotopes. \$1,151.

Sarah Westrick. University of Michigan. Maternal care behavior response to predation risk. \$1,500.

Evan Wilson. University of Wisconsin. Community disassembly along a southern range boundary. \$1,300.

Monique Winterhoff. University of Melbourne. Emerging infectious diseases of Sulawesi's endemic mammals: *Haemosporidia* and trypanosomes of rodents, bats and shrews. \$1,500.

Fernanda Zaidan. University of Michigan. Are differences in diploid numbers in *Akodon cursor* intraspecific variation or a sign of speciation process? \$1,500.

Respectively submitted,
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