

Grants-in-Aid Committee

Committee Members: L. N. Carraway, B. J. Danielson, J. W. Demastes, J. R. Demboski, T. L. Derting, J. W. Dragoo, C. W. Edwards, S. D. Gehrt, E. J. Heske (Chair), D. W. Kaufman, D. A. Kelt, C. W. Kilpatrick, J. L. Koprowski, A. Kurta, S. K. Lyons, M. Matocq, M. L. McKnight, N. D. Moncrief, F. A. Smith, M. A. Steele, S. J. Steppan, R. D. Stevens, K. D. Stone, P. D. Sudman, P. A. Zollner

Information Items:

(1) Application forms and instructions for grants-in-aid were re-revised and posted on the Grants-in-Aid Committee web page. The deadline for Grants-in-Aid applications was set at March 1, and that for fellowships was set at May 1.

(2) Membership on the committee changed slightly. Two members retired (Nancy Solomon, Fred Weckerly) after the annual meeting in June 2003, and a third member (Wendy Sera) resigned in March 2004 due to a job change. Thanks very much to these committee members for their dedicated service. Three new members were added to the committee in July 2003 (Kate Lyons, Marjorie Matocq, Mark McKnight). Committee membership stabilized at 25 individuals.

(3) The Grants-in-Aid Committee worked with members of the Informatics Committee (Kristin Kramer, Ryan Rehmeier, and Michael Stokes) to develop online submission for grant applications. Thanks to the hard work of the Informatics group, a version of online submission was installed in mid-February 2004. Online submission was not developed for fellowship applications.

(4) There were 110 applications for grants-in-aid. The number of applications continues to climb (87 in 2003, somewhere in the 70s in 2002 and 2001, usually in the 60s in the years before that). The committee ranked the research proposals and 27 were selected for support (\$37,500 was made available by the Board for support, and President Patterson added \$130). As usual, committee members were impressed by the diversity and high quality of research activities proposed by the student members of ASM. Names of the grant recipients for 2004 follow the end of this committee report.

(5) There were 19 applications for fellowships in mammalogy (up from 7 in 2003 and 8 in 2002). Following tradition, fellowship applications were distributed to committee members who will attend the annual meeting of ASM and nominees will be selected during a closed session at the annual meeting. The American Society of Mammalogists Fellowship in Mammalogy will be \$14,000, and the Albert R. and Alma Shadle Fellowship in Mammalogy will be \$4,296.72 in 2004.

(6) A budget request for 2005 was submitted to the finance committee.

(7) 2004 ASM Grants-in-Aid Recipients:

Galbreath, Kurt. Cornell University

Comparative phylogeography of a co-evolving system: tracing the genetic signature of late Quaternary climate change in the pika (*Ochotona princeps*) and its helminth parasites. \$1,500 Elizabeth Horner Award winner (additional \$250 = \$1,750)

Mabry, Karen. University of California-Davis

Influence of natal habitat type on dispersal and habitat selection behavior of brush mice. \$1,480

Wund, Matthew. University of Michigan

Learning and the development of plastic echolocation in bats. \$1,130

Mangan, Scott. Indiana University

Ecological implications of rodent-mediated spore dispersal of arbuscular mycorrhizal fungi in a tropical forest. \$1,500

Tejedor, Adrian. American Museum of Natural History

Caves and speciation of bats in the neotropics: the historical biogeography of Natalidae. \$1,500

Shurtliff, Quinn. Idaho State University

Molecular systematics of the genus *Neotoma* based on mitochondrial and nuclear markers. \$1,500

Henry, MaLinda. University of Maryland

Effects of predation and resource availability on reproductive patterns in golden lion tamarins and golden-headed lion tamarins. \$1,500

Himes, Christopher. University of Washington

Phylogeography of the South American marsupial, *Dromiciops gliroides*. \$1,500

Mullen, Lynne. University of California-San Diego

Genetics of adaptation in island populations of *Peromyscus*. \$1,500

Cooper, Jennifer. Purdue University

The evolution of disparate male and female dispersal strategies: testing predictions of inbreeding avoidance, resource competition and kinship effects using sex-specific genetic markers. \$1,500

Crawford, Dolly. University of New Mexico

Phylogeographic analysis of *Peromyscus keeni* and *Microtus longicaudus*: testing hypotheses related to differential colonization and diversification in the Alexander Archipelago. \$1,500

Dizney, Laurie. Portland State University

The link between diversity and disease. \$1,500

Harding, Larisa. University of New Mexico
Speciation and biodiversity: phylogeography and population genetics of *Mustela frenata*.
\$1,500

Norris, Ryan. University of Vermont
Systematics of Gerbillinae and estimates of divergence dates within the Gerbillinae and Murinae. \$1,500

Saetnan, Eli. University of Illinois at Urbana-Champaign
The interaction of arvicoline rodents and sheep in Norwegian alpine rangeland. \$1,500

Waltari, Eric. Idaho State University
Detecting historical patterns of boreal shrew movement from the ice age to the present.
\$1,431

Goncalves da Silva, Anders. Columbia University
Conservation of large mammals in the Atlantic Forest of Brazil: a landscape genetics approach. \$1,465

Kolar, Kristen. University of Regina
Roosting associations and patterns of roost tree use by big brown bats. \$1,353

Mathis, Verity. New Mexico State University
Conservation genetics of banner-tailed kangaroo rats (*Dipodomys spectabilis*): a molecular ecology perspective. \$1,272

Schwanz, Lisa. University of New Mexico
Reproduction and survival in Mexican ground squirrels (*Spermophilus mexicanus*).
\$1,500

Sewell, Brent. University of California-Davis
Foraging ecology and conservation of the red-ruffed lemur *Varecia rubra* in Madagascar.
\$1,500

Spaeth, Paula. Stanford University
Using experiments to assess the strength of competition in the fossil record. \$1,500

Whorley, Joshua. University of Washington
Reproductive ecology of antelope ground squirrels at their northern range limit. \$1,500

Avila-Flores, Rafael. University of Alberta
Demography and population dynamics of black-tailed prairie dogs in a fragmented landscape of Chihuahua, Mexico. \$1,000

Bradstreet, Andy. Stephen F. Austin State University

Nesting ecology of golden mice (*Ochrotomys nuttalli*) and cotton mice (*Peromyscus gossypinus*) in Eastern Texas. \$1,000

Jones, Phillip. Portland State University

Molecular biogeography and co-evolution of Sin Nombre Virus and its host, *Peromyscus maniculatus*, in the Pacific Northwest. \$1,000

Runck, Amy. Idaho State University

Molecular perspectives on a post-glacial contact zone between *Clethrionomys rutilus* and *C. gapperi*. \$1,000

(8) 2004 Fellowship Winners in Mammalogy (announced at the annual meeting):

ASM Fellowship in Mammalogy: **Helgen, Kristofer M.** Adelaide University, Australia

Albert R and Alma E. Shadle Fellowship: **Goheen, Jacob R.** University of New Mexico

Shadle Fellowship Alternate: **Smith, Deborah A.** University of Washington

Action items:

(1) Many students emailed to say they liked online submission of proposals, and to thank ASM for setting it up. However, the system developed for 2003 had some bugs (probably fixable), and in some respects it was difficult for committee members to access and use. The committee recommends further development of the online submission protocols in 2005, for both grant and fellowship applications. A professional programmer or web manager may be required to get this done in a timely manner.

(2) The committee recommends raising the ASM Fellowship to \$15,000 (nice round number).

(3) The number of grant applications continues to rise. The number of committee members was raised to 25, but the President should consider allowing an even larger committee to keep the number of proposals reviewed per member at a manageable level (currently about 38 proposals per member, with 8 members reviewing each proposal).

Respectfully submitted,

Ed J. Heske, Chair

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