

CURRICULUM VITAE

Joseph Anthony Cook

Married to Nella Sanchez; 3 children--Lucia, Felipe, Tomas

Contact: Biology Department & Museum of Southwestern Biology
MSC03 2020; University of New Mexico
Albuquerque, NM 87131-0001
tucojoe@gmail.com
505-277-1358

Education:

University of New Mexico, Albuquerque, PhD Biology, 1990; M.S. Biology, 1982
Western New Mexico University, Silver City, B.S. Zoology 1980

Professional Experience:

2004-present **University of New Mexico:** Professor of Biology
Curator of Mammals, Museum of Southwestern Biology
2007-present Curator of Genomic Resources, Museum of Southwestern Biology
2011-2015 Director, Museum of Southwestern Biology
2010-2014 Chair, Steering Committee, AIM-UP! Research Coordinating Network
2007-2017 Board of Directors, American Society of Mammalogists
2009-present Steering Committee, ARCTOS on-line museum database
2011-2016 Board of Directors, National Systematics Collection Alliance
2008-present International Advisory Board, Revista Brasileira de Zoologia
2014-present Steering Committee, National Integrative Biocollections Alliance
2013-2016 Commission Member - IUCN SSC Small Mammal Specialist Group
2008-2013 Convener and Lead, Genetic Resources, Arctic Biodiversity Assessment,
Conservation of Arctic Fauna and Flora (CAFF)
2011-2014 Steering Committee, VertNet
2011-2013 Steering Committee, CollectionsWeb Research Coordinating Network
2007-2013 Director, Undergraduate Opportunities for Minorities (NSF-URM)
2007-2011 Assistant Director, Museum of Southwestern Biology
2000-2003 **Idaho State University:** Chair, Department of Biological Sciences
& Professor of Biology
1999-2001 Associate Editor, Journal of Mammalogy
1990-2001 **University of Alaska:** Assistant, Associate & Full Professor of Biology;
Chief Curator, Curator of Mammals & Alaska Frozen Tissue Collection,
University of Alaska Museum; Affiliate, Biochemistry and Molecular
Biology Program; Research Associate, Institute of Arctic Biology
1993-2006 World Conservation Union (IUCN), Member of the Species Survival
Commission, Rodent Specialist Group
1993-1995 Board of Directors, Alaska Quaternary Center, Life Sciences Member
1993-1995 Faculty Affiliate, Universidad de la Republica, Montevideo, Uruguay

Professional Interests:

Island Biology; Evolution, Structure & Conservation of Boreal Diversity;

Historical & Latitudinal Biogeography; Host-Parasite Systems; Natural History & Society; Systematics, Speciation & Hybridization; Beringia; Pedagogy

Awards/Fellowships/Honors:

University of Alaska Honors, Award for Excellence in Teaching, 1992
J. William Fulbright Fellow (Uruguay 1993)
Rotary International Professor, Univ. GR Moreno (Santa Cruz, Bolivia 1997)
Scientist in Residence, Sitka Sound Science Center (Alaska 2013)

Patronyms

Oxymycterus josei Hoffmann, Lessa & Smith, 2002

Cook's holicudo (long-nosed rat in Uruguay)

Arostrilepis cooki Makarikov, Galbreath, & Hoberg, 2013

Cook's hymenolepidid cestode (tapeworm of *Myodes gapperi*)

Cookiella ondatrae Haukisalmi, Hardman, Hoberg, Henttonen, 2014

Cook's anoplocephalid cestode (tapeworm of arvicoline rodents)

PUBLICATIONS

Books and Monographs

1. MacDonald, S. O. and J. A. Cook. 2009. Recent Mammals of Alaska.
a. University of Alaska Press, Fairbanks. 387pp.
2. MacDonald, S. O. and J. A. Cook. 2007. The Mammals and Amphibians of Southeast Alaska. Museum of Southwestern Biology, Special Publication 8, 191pp.
3. Cook, J. A. 1986. The Mammals of the Animas Mountains. Occasional Papers of The Museum of Southwestern Biology. No. 4, 45 pp.

Book Chapters

4. Cook, J. A., C. Brochmann, S. L. Talbot, V. Fedorov, E. B. Taylor, R. Väinölä, E.P. Hoberg, M. Kholodova, K. P. Magnusson. 2013. Genetic Perspectives on Arctic Biodiversity. Pp. 459-483 *In* Arctic Biodiversity Assessment. Conservation of Arctic Fauna and Flora Committee, Copenhagen.
5. Hoberg, E. P., S. J. Kutz, J. A. Cook, K. Galaktionov, V. Haukisalmi, H. Henttonen, and S. Laaksonen. 2013. Parasites in Terrestrial, Freshwater, and Marine Environments. Pp. 420-449 *In* Arctic Biodiversity Assessment. Conservation of Arctic Fauna and Flora Committee, Copenhagen.

6. Meltøfte, H., T. Barry, D. Berteaux, H. Bultmann, J. S. Christiansen, J. A. Cook, A. Dahlberg, F. J.A. Daniëls, D. Ehrich, J. Fjeldså, F. Fridriksson, B. Ganter, A. J. Gaston, L. J. Gillespie, L. Grenoble, E. P. Hoberg, I. D. Hodgkinson, H. P. Huntington, R. A. Ims, A. B. Josefson, S. J. Kutz, S. L. Kuzmin, K. L. Laidre, D. R. Lassuy, P. N. Lewis, C. Lovejoy, C. Michel, V. Mokievsky, T. Mustonen, D. C. Payer, M. Poulin, D. G. Reid, J. D. Reist, D. F. Tessler and F. J. Wrona. 2013. Synthesis: implications for conservation. Pp. 22-65 *In Arctic Biodiversity Assessment*. Conservation of Arctic Fauna and Flora Committee, Copenhagen.
7. Cook, J. A. and S. O. MacDonald. 2013. Island life: Coming to grips with the insular nature of North Pacific Coastal Forests. Pp. 19-42, *In Conservation of North Pacific Coastal Forests*, Orrians, G. H., and J. W. Schoen, eds. Univ. Washington Press, Seattle.
8. Dawson, N. G. and J. A. Cook. 2012. Behind the genes: Diversification of North American marten (*Martes americana* and *Martes caurina*). Pp. 23-38 *In Biology and Conservation of Marten, Sables and Fisher. A New Synthesis*. *In* Aubry, K., W. J. Zielinski, M. G. Raphael, G. Proulx, and S. W. Buskirk, eds.
9. Hoberg, E., A.V.A. Koehler, and J. A. Cook. 2012. Complex host-parasite systems in *Martes*: Implications for conservation biology of endemic faunas. Accepted Pp. 39-57. *In Biology and Conservation of Marten, Sables and Fisher. A New Synthesis*. Aubry, K., W. J. Zielinski, M. G. Raphael, G. Proulx, and S. W. Buskirk, eds.
10. Cook, J. A., and V. Fedorov. 2010. Arctic genetic diversity: heavily shaped by past climate change. *In Arctic Biodiversity and Climate Change Assessment Highlights*, Conservation of Arctic Fauna and Flora Committee. Copenhagen.
11. Dawson, N. G., S. O. MacDonald and J. A. Cook. 2007. Endemic Mammals of the Alexander Archipelago. Chapter 6.7, Pp. 1-11. *In* J. Schoen and E. Dovichin (eds). *The Coastal Forests and Mountains Ecoregion of Southeastern Alaska and the Tongass National Forest: A conservation Assessment and resource synthesis*. Audubon & Nature Conservancy, Special Publication.
12. Cook, J. A., and J. Salazar-Bravo. 2004. Heterochromatin variation among the chromosomally diverse tuco-tucos (Rodentia: Ctenomyidae) from Bolivia. Pp. 129-142 *In* Sánchez-Cordero, V. and Medellín, R. A. (Eds.) *Contribuciones Mastozoológicas en Homenaje a Bernardo Villa*. Instituto de Biología e Instituto de Ecología, UNAM, México.
13. Cook, J. A., E. P. Lessa, and E. A. Hadly. 2000. Paleontology, phylogenetic patterns, and macroevolutionary processes in subterranean rodents. Pp. 332-369 *In* E. Lacey, J. L. Patton, and G. Cameron, eds. *Life Underground: The Biology of Subterranean Rodents*, University of Chicago Press.

14. Yensen, E., D. J. Hafner, and J. A. Cook. 1998. Conservation priorities, action plans, and conservation strategies for North American rodents. Pp. 125-145 *In* North American Rodents: Action Plans for Species of Conservation Concern (D. J. Hafner, E. Yensen, and G. L. Kirkland, Jr., eds.). IUCN---the World Conservation Union, Gland, Switzerland.
15. Parker, D., J. A. Cook, and S. Lewis. 1996. Effects of timber harvest on bat activity in southeastern Alaska's temperate rainforest. Pp. 277-292 *In* Bats and Forests Symposium, R. Barclay and M. Brigham (eds), Res. Branch, Ministry of Forests, Victoria, 23:1-292.
16. Yates, T. L., C. Jones, and J. A. Cook. 1996. Preservation of voucher specimens. Pp. 265-274 *In* Measuring and Monitoring Biological Diversity: Standard Methods for Mammals (D. Wilson, F. R. Cole, J. D. Nichols, R. Rudran, M. S. Foster. Eds.) Smithsonian Institution Press Washington, DC. 409 p.

Journal Articles/Reviews

17. Bell, K. C., D. Matek, J. R. Demboski, J. A. Cook. Accepted. Expanded host and distribution of sucking lice and pinworms in western North American chipmunks. *Comparative Parasitology*.
18. Barker, B. S., Joseph A. Cook, J. Rodríguez-Robles. Accepted. Climate as a driver of tropical insular diversity: comparative phylogeography of two ecologically distinctive frogs in Puerto Rico. *Ecography*.
19. Kohli, B. A., V. B. Fedorov, E. C. Waltari, and J. A. Cook. 2015. Phylogeography of a Holarctic rodent (*Clethrionomys rutilus*): Testing high-latitude biogeographic hypotheses and the dynamics of range shifts. *Journal of Biogeography* 42:377-389.
20. Ryan, M. J., N. J. Scott, J. A. Cook, B. Willink, G. Chaves, F. Bolaños, A. García-Rodríguez, I. M. Latella, S. E. Koerner. 2015. Too wet for frogs: changes in a leaf litter community coincide with La Niña. *Ecosphere* 6(1):4.
<http://dx.doi.org/10.1890/ES14-00352.1>
21. Lessa, EP, Cook JA, D'Elía G, and. Opazo JC. 2014. Rodent diversity in South America: transitioning into the genomics era. *Frontiers in Ecology and Evolution*. 2 (39):1-7.
22. Bradley, R. D., L. K. Ammerman, R. J. Baker, L. C. Bradley, J. A. Cook, R. C. Dowler, C. Jones, D. J. Schmidly, F. B. Stangl, Jr., R. A. Van Den Bussche, and B. Würsig. 2014. Revised checklist of North American mammals north of Mexico, 2014. Museum of Texas Tech University, Occasional Papers, 327:1-27.
23. Powers, K. E., Prather, L. A., Cook, J. A., Woolley, J., Bart, H. L., Jr., Monfils, A.

- K., & Sierwald, P. 2014. Revolutionizing the use of natural history collections in education. *The Science Education Review*, 13: 24–33.
24. Kohli, B. A., K. A. Speer, C. W. Kilpatrick, N. Batsaikhan, D. Damdinbaza, J. A. Cook. 2014. Evolution in the subarctic: Multilocus systematics of a recent radiation of boreal rodents (Arvicolinae: Myodini). *Molecular Phylogenetics and Evolution* 76:18-29.
 25. Hope, A. G., S. Y. W. Ho, J. L. Malaney, J. A. Cook, S. L. Talbot. 2014. Calibrating molecular evolutionary rates for comparative demographic inference of multiple species. *Evolution*. 68: 2689-2700.
 26. Gardner, S. L., J. Salazar-Bravo, and J. A. Cook. 2014. New species of *Ctenomys* Blainville 1826 (Rodentia: Ctenomyidae) from the lowlands and central highlands of Bolivia. *Special Publications, Museum of Texas Tech University*, 62:1-34.
 27. Hope, A.G., N. Panter, J. A. Cook, S. L. Talbot, and D. Nagorsen. 2014. Multi-locus phylogeography and systematic revision of North American water shrews (genus: *Sorex*). *Journal of Mammalogy*. 95: 722-738.
 28. Gu, S.H., B. K. Lim, B. Kadjo, S. Arai, J.-W. Song, J.-A. Kim, V. Nicolas, C. Denys, J. A. Cook, S. R. Dominguez, K. V. Holmes, and R. Yanagihara. 2014. Molecular phylogeny of hantaviruses harbored by insectivorous bats in Côte d'Ivoire and Vietnam. *Viruses* 6:1897-1910.
 29. Cook, J.A., S. V. Edwards, E. Lacey, R. P. Guralnick, P. S. Soltis, D. E. Soltis, C. Welch, K. C. Bell, K. E. Galbreath, C. Himes, J. M. Allen, T. A. Heath, A. C. Carnaval, K. L. Cooper, M. Liu, J. Hanken, and S. Ickert-Bond. 2014. Natural History Collections as Emerging Resources for Innovative Education in Biology. *BioScience* 64:725-734.
 30. Ryan, M. J., M. Fuller, N. J. Scott, J. A. Cook, S. Poe, B. Willink, G. Chaves, and F. Bolaños. 2014. Individualistic population responses of five frog species over 42-years in two changing tropical environments. *PLoS One* 9(5):e98351.
 31. Dawson, N. G., A. G. Hope, S. L. Talbot, and J. A. Cook. 2014. A multi-locus evaluation of ermine (*Mustela erminea*) across the Holarctic, testing hypotheses of Pleistocene diversification in response to climate change. *Journal of Biogeography* 41:464-475.
 32. Malaney, J. L. and J. A. Cook. 2013. Using biogeographic history to inform conservation: The case of Preble's jumping mouse. *Molecular Ecology* 22:6000-6017.
 33. Greiman, S. E., V. V. Tkach, and J. A. Cook. 2013. Description and molecular differentiation of a new *Staphylocystoides* (Cyclophyllidea: Hymenolepididae)

- from the dusky shrew *Sorex monticolus* in Southeast Alaska. *Journal of Parasitology* 99: 1045-1049.
34. Ho, S-H. and J. A. Cook. 2013. Co-Evolving Pedagogies. *ARID: A Journal of Desert Art, Design and Ecology*. Vol. 2 published online (<http://aridjournal.com/co-evolving-pedagogies-szu-han-ho-and-joseph-a-cook/>)
 35. Deardorff, E.R., R. A. Nofchissey, J. A. Cook, A. G. Hope, A. Tsvetkova, S. L. Talbot, G. D. Ebel. 2013. Serological Evidence of Powassan Virus in Mammals from Russia, Alaska and New Mexico, 2004-2007. *Emerging and Infectious Diseases*. 19:2012-2016.
 36. Hope, A. G., E. C. Waltari, D. C. Payer, J. A. Cook, and S. L. Talbot. 2013. Future distribution of tundra refugia in Alaska. *Nature Climate Change* 3:931-938.
 37. Malaney, J. L., C. J. Conroy, L. A. Moffitt, H. D. Spoonhunter, J. L. Patton, and J. A. Cook. 2013. Phylogeography of the western jumping mouse (*Zapus princeps*) detects deep structure in the southwestern United States. *Journal of Mammalogy*, 94:1016-1029.
 38. Cook, J. A. 2013. A Splendid Southern Synthesis. *Bioscience* 63:304-305.
 39. Hope, A. G., N. Takebayashi, K. E. Galbreath, S. L. Talbot, and J. A. Cook. 2013. Temporal dynamics of speciation among amphi-Beringian small mammals. *Journal of Biogeography* 40:415-429.
 40. Haas, G. E., J. Kucera, S. O. MacDonald and J. A. Cook. 2012. First flea (Siphonaptera) records for Kanuti National Wildlife Refuge and review of historical records from nearby villages, Central Alaska. *Journal of the Entomological Society of British Columbia*. 109:6-11.
 41. Dunnum, J. L., and J. A. Cook. 2012. Gerrit Smith Miller: His influence on the enduring legacy of natural history collections. *Mammalia*, 76:365-373.
 42. Sonsthagen, S., G. Sage, M. Fowler, A. Hope, J. A. Cook, S. L. Talbot. 2013. Development and characterization of 21 polymorphic microsatellite markers for the barren-ground shrew, *Sorex ugyunak* (Mammalia: Soricidae), through next-generation sequencing, and cross-species amplification in the masked shrew, *S. cinereus*. *Conservation Genetics Resources*. 5: 315-318.
 43. Barker, B. S., J. Rodríguez-Robles, V. S. Aran, A. Montoya, R. B. Waide, and J. A. Cook. 2012. Sea level, topography, and island diversity: phylogeography of the Puerto Rican Red-eyed Coquí, *Eleutherodactylus antillensis*. *Molecular Ecology* 21:6033-6052.

44. Galbreath, K. E., J. A. Cook, and E. P. Hoberg. 2012. Climate's role in polar bear past. *Science* 336:1230.
45. Hope, A.G., K. A. Speer, J. R. Demboski, S. L. Talbot, and J. A. Cook. 2012. A climate for speciation: rapid spatial diversification among the *Sorex cinereus* complex of shrews. *Molecular Phylogenetics and Evolution* 64:671-684.
46. Hoberg, E. P., K. E. Galbreath, J. A. Cook, S. J. Kutz, and L. Polley. 2012. Northern Host-Parasite Assemblages: History and Biogeography on the Borderlands of Episodic Climate and Environmental Transition. *Advances in Parasitology* 79:1-97.
47. Malaney, J.L., J. K. Frey, J. A. Cook. 2012. The biogeographic legacy of an imperiled taxon provides a foundation for assessing lineage diversification, demography and conservation genetics. *Diversity and Distributions* 18:689-703.
48. Sumbicay, L., B. Kadjo, S. H. Gu, H. J. Kang, B. K. Lim, J. A. Cook, J.-W. Song and R. Yanagihara. 2012. Divergent lineage of a novel hantavirus in the banana pipistrelle (*Neoromcia nanus*) in Cote d'Ivoire. *Virology Journal* 9:34
49. Torres-Perez, F., B. Hjelle, E. C. Holmes, and J.A. Cook. 2011. Spatial but not Temporal Co-divergence of a Virus and its Mammalian Host. *Molecular Ecology* 20:4109-4122.
50. Torres-Pérez, F., M. Acuna-Retamar, J. A. Cook, A. Bacigalupo, A. García, P. E. Cattán. 2011. Statistical phylogeography and population dynamics of Chagas disease vector *Triatoma infestans*: testing biogeographic hypotheses of dispersal. *Infection, Genetics, and Evolution*. 11:167-174.
51. Weckworth, B.V., N. G. Dawson, S. L. Talbot, M. J. Flamme, J. A. Cook. 2011. Going coastal: Shared evolutionary history between coastal British Columbia and Southeast Alaska wolves (*Canis lupus*). *PLoS One* 6: e19582.
52. Barker, B. R., R. Waide, and J. A. Cook. 2011. Deep intra-island divergence of a montane forest endemic: phylogeography of the Puerto Rican frog *Eleutherodactylus portoricensis* (Anura: Eleutherodactylidae). *Journal of Biogeography* 38:2311-2325.
53. Galbreath, K. E., J. A. Cook, A. A. Eddingsaas, E. G. DeChaine. 2011. Multi-locus tests of paleodistributional models reveal different facets of the complex demographic history of arctic ground squirrels in Beringia. *Evolution* 65:1879-1896.
54. Hope, A.G., E. Waltari, V. B. Fedorov, A. V. Goropashnaya, S. L. Talbot, and J. A. Cook. 2011. Persistence and diversification of the Holarctic shrew, *Sorex tundrensis* (Family Soricidae), in response to climate change. *Molecular Ecology*.

20:4346-4370.

55. Kang, H. J., S. N. Bennett, A. G. Hope, J. A. Cook, R. Yanagihara. 2011. Shared Ancestry Between a Newfound Mole-Borne Hantavirus and Hantaviruses Harbored by Cricetid Rodents. *Journal of Virology* 85:7496-7503.
56. Kang HJ, Arai S, Hope AG, Cook JA, Yanagihara R. 2010. Novel Hantavirus in the Flat-Skulled Shrew (*Sorex roboratus*). *Vector Borne Zoonotic Diseases*. 10: 593-597.
57. Cook, J. A., A. A. Eddingsaas, J. L. Loxterman, S. Ebbert, and S.O. MacDonald. 2010. Insular ground squirrels of the North Pacific: Indigenous or Exotic? *Journal of Mammalogy* 91:1401-1412.
58. Gonzalez, P., Y. E. Sawyer, M. Avila, A. Armien, B. Armien, J. A. Cook. 2010. Variation in Cytochrome-b Haplotypes Suggests a New Species of *Zygodontomys* (Rodentia: Cricetidae) on Isla Coiba, Veraguas, Panama. *Zoologia* 27:660-665.
59. Hope, A. G., E. Waltari, N. E. Dokuchaev, S. Abramov, T. Dupral, H. Henttonen, S. O. MacDonald, and J. A. Cook. 2010. Diversification of the Eurasian least shrew and Alaska tiny shrew (Soricidae) at high latitudes. *Journal of Mammalogy*. 91:1041-1057.
60. Matsumoto, K., J. A. Cook, H. K. Goethert, and S. R. Telford, III. 2010. *Bartonella* sp. infection of voles trapped from an Interior Alaskan site where ticks are absent. *Journal of Wildlife Diseases* 46:173-178.
61. Esteva, M., F. A. Cervantes, S. V. Brant, and J. A. Cook. 2010. Molecular phylogeny of long-tailed shrews (genus *Sorex*) from México and Guatemala. *Zootaxa* 2615:47-65.
62. Weckworth, B., S. Talbot, J. A. Cook. 2010. Phylogeography of wolves (*Canis lupus*) in the Pacific Northwest. *Journal of Mammalogy*. 91:363-375.
63. Torres-Pérez, F., R. E. Palma, M. Ferres, B. Hjelle, J. A. Cook. 2010. Andes virus infection in the rodent reservoir and in humans varies across contrasting landscapes in Chile. *Infection, Genetics and Evolution*. 10:820-825.
64. Kang, H. J., Arai, S., Hope, A., Song, J.-W., Cook, J. A., Yanagihara, R. 2009. Genetic diversity and phylogeography of Seewis virus in Eurasian common shrew in Finland and Hungary. *Virology Journal* 6:208.
65. Galindo, E., L. Broncho, E. Keeley, R. Inouye, S. Galindo, V. Winston, L. Farrell, J. Cook. 2009. Compassion: A Hearts-on Paradigm for Transiting Native American Students into a STEM University Environment. *Journal of Mathematics and Culture* 4:1-22.

66. Kang, H. J., S. Bennett, L. Sumbicay, S. Arai, A. G. Hope, G. Mocz, J-W. Song, J. A. Cook, and R. Yanagihara. 2009. Evolutionary insights from a genetically divergent hantavirus harbored by the European common mole (*Talpa europaea*). PLoS ONE 4(7): e6149. doi:10.1371/journal.pone.0006149.
67. Medina, R. A., F. Torres-Perez, H. Galeno, M. Navarrete, P. A. Vial, R. E. Palma, M. Ferres, J. A. Cook, and B. Hjelle. 2009. Ecology, Genetic Diversity and Phylogeographic Structure of Andes virus in humans and rodents in Chile. Journal of Virology. 83:2446-2459.
68. Runck, A., M. Matocq, and J. A. Cook. 2009. Historic hybridization and persistence of a novel mito-nuclear combination in red-backed voles (genus *Myodes*). BMC Evolutionary Biology 9:114.
69. MacDonald, S. O., E. Waltari, R. Nofchissey, Y. Sawyer, and J. A. Cook. 2009. First records of deermice in southcentral Alaska. Northwestern Naturalist. 90:243-247.
70. Koehler, A. V. A., E. P. Hoberg, N. E. Dokuchaev, N. A. Tranbenkova, J. S. Whitman, D. W. Nagorsen, and J. A. Cook. 2009. Phylogeography of a Holarctic nematode, *Soboliphyme baturini* among mustelids: Climate change, episodic colonization, and diversification in a complex host-parasite system. Biological Journal of the Linnaean Society. 96:651-663.
71. Koehler A. V. A., E. P. Hoberg, F. Torres-Pérez and J. A. Cook. 2009. A molecular view of the superfamily Dioctophymatoidea (Nematoda). Comparative Parasitology 76:100-104.
72. Baker, R. J., D. J. Schmidly, J. A. Cook, J. S. Bravo, H. Genoways. 2008. Obituary: Terry Lamon Yates 1950-2007. Journal of Mammalogy 89:1557-1569.
73. Fedorov, V. B., A. V. Goropashnaya, G. G. Boeskorov and J. A. Cook. 2008. Comparative phylogeography and demographic history of the wood lemming (*Myopus schisticolor*): implications for late Quaternary history of the taiga species in Eurasia. Molecular Ecology 17:598-610.
74. Arai, S., S. Bennett, L. Sumibacay, J. A. Cook, J. Song, A. Hope, C. Parmenter, V. R. Nerurkar, T.L. Yates, and R. Yanagihara. 2008. Phylogenetically distinct hantaviruses in the masked shrew (*Sorex cinereus*) and montane shrew (*Sorex monticolus*) in the United States. American Journal of Tropical Medicine and Hygiene 78:348-351.
75. Arai, S., Jin-Won Song, Laarni Sumibacay, Vivek R. Nerurkar, Shannon N. Bennett, Cheryl Parmenter, Joseph A. Cook, Terry L. Yates, Richard Yanagihara. 2007. Hantavirus in the short-tailed shrew, North America. Emerging Infectious

76. Lucid, M. K. and J. A. Cook. 2007. Cytochrome b haplotypes suggest an undescribed *Peromyscus* species from the Yukon. *Canadian Journal of Zoology*, 85:916-919.
77. Koehler, A. V. A., E. P. Hoberg, N. E. Dokuchaev and J. A. Cook. 2007. Geographic and host range of the nematode *Soboliphyme baturini* across Beringia. *Journal of Parasitology*. 93:1070-1083.
78. Duszynski, D.W., A.J. Lynch, and J.A. Cook. 2007. Coccidia (Apicomplexa: Eimeriidae) infecting cricetid rodents from Alaska, U.S.A., and Northeastern Siberia, Russia, and description of a new *Eimeria* species from *Myodes rutilus*, the northern red-backed vole. *Comparative Parasitology*, 74:294-311.
79. Lynch, A.J., D.W. Duszynski, and J.A. Cook. 2007. Species of Coccidia (Apicomplexa: Eimeriidae) Infecting Pikas from Alaska, U.S.A. and Northeastern Siberia, Russia. *Journal of Parasitology* 93:1230-1234.
80. Dalerum, F., J. Loxterman, B. Shults, K. Kunkel and J. A. Cook. 2007. Microsatellite markers suggest delayed female dispersal in a solitary carnivore, the wolverine. *Journal of Mammalogy* 88:793-800.
81. Waltari, E., E. P. Hoberg, E. P. Lessa and J. A. Cook. 2007. Eastward Ho: phylogeographic perspectives on colonization across the Beringian nexus. *Journal of Biogeography* 34:561-574.
82. Cook, J. A., N. G. Dawson and S. O. MacDonald. 2006. Conservation of highly fragmented systems: the north temperate Alexander Archipelago. *Biological Conservation*. 133:1-15.
83. Goethert, H. K., J. A. Cook, E. W. Lance, and S. R. Telford III. 2006. Fay and Rausch 1969 Revisited: *Babesia microti* in Alaskan small mammals. *Journal of Parasitology*. 92:826-831.
84. Glass, G. E., T. M. Shields, R. R. Parmenter, D. Goade, J. N. Mills, J. Cheek, J. Cook, and T. L. Yates. 2006. Hantavirus risk in 2006 for U. S. Southwest. *Occasional Papers, Texas Tech University*. 255:1-16.
85. Dragoo, J., A. Lackey, K. Moore, E. Lessa, J. A. Cook, and T. Yates. 2006. Phylogeography of the deer mouse (*Peromyscus maniculatus*) provides a predictive framework for research on hantaviruses. *Journal of General Virology*. 87: 1997-2003.
86. Cook, J. A., E. P. Hoberg, A. Koehler, S. O. MacDonald, H. Henttonen, L. Wickstrom, V. Haukialmi, K. Galbreath, F. Chernyavski, N. Dokuchaev, A.

- Lahzuhtkin, A. Hope, E. Waltari, A. Runck, A. Veitch, R. Popko, E. Jenkins, S. Kutz, and R. Eckerlin. 2005. Beringia: Intercontinental exchange and diversification of high latitude mammals and their parasites during the Pliocene and Quaternary. *Mammal Science* 30:S33-S44.
87. Haas, G. E., J. R. Kucera, A. Runck, S. O. MacDonald, and J. A. Cook. 2005. Mammal Fleas (Siphonaptera) new for Alaska and the Southeastern mainland collection during seven years of a field survey of small mammals. *Journal of the Entomological Society of British Columbia*. 102:65-75.
 88. Waltari, E. and J. Cook. 2005. Historical demographics and phylogeography of arctic hares (*Lepus*): genetic signatures test glacial refugia hypotheses. *Molecular Ecology* 14:3005-3016.
 89. Runck, A., and J. Cook. 2005. Post-glacial expansion of the southern red-backed vole (*Clethrionomys gapperi*) in North America. *Molecular Ecology* 14:1445-1456.
 90. Weckworth B., S. Talbot, G. Sage, D. Person, and J. Cook. 2005. A signal for independent coastal and continental histories for North American wolves. *Molecular Ecology* 14:917-931.
 91. Tomasik, E., and J. Cook. 2005. Mitochondrial phylogeography and conservation genetics of wolverine (*Gulo gulo*) in Northwestern North America. *Journal of Mammalogy* 86:386-396.
 92. Lucid, M., and J. Cook. 2004. Phylogeography of Keen's mouse (*Peromyscus keeni*) in a naturally fragmented landscape. *Journal of Mammalogy*. 85:1149-1159.
 93. Eddingsaas, A., B. Jacobsen, E. Lessa, J. Cook. 2004. Evolutionary history of the arctic ground squirrel (*Spermophilus parryii*) in Nearctic Beringia. *Journal of Mammalogy*. 85:591-600.
 94. Waltari, E., J. R. Demboski, D. Klein, and J. A. Cook. 2004. A molecular perspective on the historical biogeography of the northern high latitudes. *Journal of Mammalogy* 85:601-610.
 95. Cook, J. A., A. Runck, and C. J. Conroy. 2004. Historical biogeography at the crossroads of the northern continents: molecular phylogenetics of red-backed voles (Rodentia: Arvicolinae). *Molecular Phylogenetics and Evolution* 30:767-777.
 96. Galbreath, K., and J. Cook. 2004. Genetic consequences of Pleistocene glaciations for the tundra vole (*Microtus oeconomus*) in Beringia. *Molecular Ecology* 13:135-148.

97. MacDonald, S. O., A. M. Runck, and J. A. Cook. 2004. The heather vole (genus *Phenacomys*) in Alaska. *Canadian Field-Naturalist*. 118:438-440.
98. Cook, J., N. Dawson, S. MacDonald, and A. Runck. 2004. Mammal Diversity: Inventories of Alaska National Parks Stimulate New Perspectives. *Alaska Park Science* 3:22-27.
99. Murrell, B. P., L. A. Durden, and J. A. Cook. 2003. Host associations of the tick, *Ixodes angustus*, on Alaskan mammals. *Journal of Medical Entomology* 40:682-685.
100. Lessa, E. P., J. A. Cook, and J. L. Patton. 2003. Genetic footprints of demographic expansion in North America, but not Amazonia, following the Late Pleistocene. *Proceedings of the National Academy of Sciences, USA* 100: 10331-10334.
101. Hoberg, E. P., S. J. Kutz, K. E. Galbreath, and J. Cook. 2003. Arctic biodiversity: From discovery to faunal baselines—revealing the history of a dynamic system. *Journal of Parasitology* 89:S84-S95.
102. Demboski, J. R. and J. A. Cook. 2003. Phylogenetic diversification within the *Sorex cinereus* complex (Insectivora: Soricidae). *Journal of Mammalogy* 84:144-158.
103. Fedorov, V. B., A. V. Goropashnaya, M. Jaarola & J. A. Cook. 2003. Phylogeography of lemmings (*Lemmus*): no evidence for post-glacial colonization of Arctic from the Beringian refugium. *Molecular Ecology* 12:725-732.
104. Brunhoff, C., K. E. Galbreath, V. B. Fedorov, J. A. Cook and M. Jaarola. 2003. Holarctic phylogeography of the root vole (*Microtus oeconomus*): implications for late Quaternary biogeography of high latitudes. *Molecular Ecology* 12: 957-968.
105. Small, M.P., K. D. Stone, and J.A. Cook. 2003. American marten (*Martes americana*) population structure across a landscape fragmented in time and space. *Molecular Ecology* 12:89-103.
106. Stone, K. and J. Cook. 2002. Molecular evolution of the Holarctic genus *Martes*. *Molecular Phylogenetics and Evolution*. 24:169-179.
107. Pyare, S., W. Smith, J. Nicholls, and J. Cook. 2002. Diets of northern flying squirrels, *Glaucomys sabrinus*, in southeast Alaska. *Canadian Field-Naturalist* 116:98-103.

108. Stone, K., R. Flynn, and J. Cook. 2002. Post-glacial colonization of northwestern North America by the forest associated American marten (*Martes americana*). *Molecular Ecology* 11:2049-2064.
109. Fleming, M. A. and J. A. Cook. 2002. Phylogeography of endemic ermine (*Mustela erminea*) in southeast Alaska. *Molecular Ecology* 11:795-808.
110. Bidlack, A. L. and J. A. Cook. 2002. A nuclear perspective on endemism in northern flying squirrels (*Glaucomys sabrinus*) of the Alexander Archipelago, Alaska. *Conservation Genetics* 3:247-259.
111. Slamovits, C. H., J. A. Cook, E. P. Lessa, and M. S. Rossi. 2001. Recurrent amplifications and deletions of satellite DNA accompanied chromosomal diversification in South American tuco-tucos (genus *Ctenomys*, Rodentia: Octodontidae): A phylogenetic approach. *Molecular Biology and Evolution* 18:1708-1719.
112. Bidlack, A., and J. A. Cook. 2001. Reduced genetic variation in insular northern flying squirrels (*Glaucomys sabrinus*) along the North Pacific Coast. *Animal Conservation* 4:283-290.
113. Demboski, J., and J. Cook. 2001. Phylogeography of the dusky shrew, *Sorex monticolus* (Insectivora, Soricidae): Insight into deep and shallow history in northwestern North America. *Molecular Ecology* 10:1227-1240.
114. Cook, J. A., A. L. Bidlack, C. J. Conroy, J. R. Demboski, M. A. Fleming, A. M. Runck, K. D. Stone, and S. O. MacDonald. 2001. A phylogeographic perspective on endemism in the Alexander Archipelago of the North Pacific. *Biological Conservation* 97:215-227.
115. Cook, J. A., and S. O. MacDonald. 2001. Should endemism be a focus of conservation efforts along the North Pacific Coast of North America? *Biological Conservation* 97:207-213.
116. Conroy, C. J., Y. Hortelano, F. Cervantes, and J. A. Cook. 2001. The phylogenetic position of southern relictual species of *Microtus*. *Mammalian Biology (Zeitschrift für Säugetierkunde)* 66:332-344.
117. Conroy, C. J., and J. A. Cook. 2000. Systematics of a Holarctic rodent: *Microtus* (Muridae). *Journal of Mammalogy* 81:344-359.
118. Stone, K. D. and J. A. Cook. 2000. Phylogeography of black bears (*Ursus americanus*) from the Pacific Northwest. *Canadian Journal of Zoology* 78:1-6.
119. Conroy, C. J. and J. A. Cook. 2000. Phylogeography of a post-glacial colonizer: *Microtus longicaudus* (Muridae: Rodentia). *Molecular Ecology* 9:165-175.

120. Demboski, J. R., K. D. Stone, and J. A. Cook. 1999. Further perspectives on the Haida Gwaii glacial refugium hypothesis. *Evolution* 53:2008-2012.
121. Fitzgerald, L. A., J. A. Cook, and A. L. Aquino. 1999. Phylogenetics and conservation of *Tupinambis* (Sauria: Teiidae). *Copeia* 1999:894-905.
122. Fleming, M. A., E. A. Ostrander, and J. A. Cook. 1999. Microsatellite primers for American mink (*Mustela vison*) and ermine (*Mustela erminea*). *Molecular Ecology* 8:1352-1354.
123. Conroy, C. J. and Cook, J. A. 1999. MtDNA evidence for repeated pulses of speciation within arvicoline and murid rodents. *Journal of Mammalian Evolution* 6:221-245.
124. Vapalahti, O., Å. Lundkvist, V. Fedorov, C. J. Conroy, S. Hirvonen, A. Plyusnina, K. Nemirov, K. Fredga, J. A. Cook, J. Niemimaa, A. Kaikusalo, H. Henttonen, A. Vaheri and A. Plyusnin. 1999. Isolation and characterization of a hantavirus from *Lemmus sibiricus*: evidence for host-switch during hantavirus evolution. *Journal of Virology*. 73:5586-5592.
125. Conroy, C. J., J. R. Demboski & J. A. Cook. 1999. Mammalian biogeography of the Alexander Archipelago of Alaska: a north temperate nested fauna. *Journal of Biogeography*. 26:343-352.
126. D'Elia, G., E. P. Lessa, and J. A. Cook. 1999. Molecular phylogeny of tuco-tucos, genus *Ctenomys* (Rodentia: Octodontidae): Evaluation of the *mendocinus* species group and the evolution of asymmetric sperm. *Journal of Mammalian Evolution* 6:19-38.
127. Halanych, K.M, Demboski, J.R., van Vuuren, B.J., Klein, D.R., and Cook, J.A. 1999. Cytochrome b phylogeny of North American hares and jackrabbits (*Lepus*, Lagomorpha) and the effects of mutational saturation in outgroup taxa. *Molecular Phylogenetics and Evolution*. 11:213-221.
128. Conroy, C. and J. A. Cook. 1999. *Microtus xanthognathus*. *Mammalian Species* 627:1-5.
129. Demboski, J. R., B. K. Jacobsen, and J. A. Cook. 1998. Endemism in the Alexander Archipelago: an assessment of genetic variation in flying squirrels (Rodentia: *Glaucomys sabrinus*). *Canadian Journal of Zoology* 76:1771-1777.
130. Cook, J. A., and E. P. Lessa. 1998. Are rates of diversification in subterranean South American tuco-tucos (genus *Ctenomys*, Rodentia: Octodontidae) unusually high? *Evolution* 52:1521-1527

131. D'Elia, G., E. P. Lessa, and J. A. Cook. 1998. Geographic structure, gene flow and maintenance of melanism in *Ctenomys rionegrensis* (Rodentia: Octodontidae). *Z. für Säugetierkunde (International J. Mammalian Biology)* 63:285-296.
132. Lessa, E. P., and J. A. Cook. 1998. The molecular phylogenetics of tuco-tucos (genus *Ctenomys*, Rodentia: Octodontidae) suggests an early burst of speciation. *Molecular Phylogenetics and Evolution*, 9:88-99.
133. Lance, E. W., and J. A. Cook. 1998. Phylogeography of tundra voles (*Microtus oeconomus*): Beringia region and southcoastal Alaska. *J. Mammalogy* 79:53-65.
134. Cook, J. A., C. J. Conroy, and J. Herriges. 1997. Northern record of the water shrew, *Sorex palustris*, in Alaska. *Canadian Field-Naturalist* 111:638-640.
135. Parker, D., B. Lawhead, and J. A. Cook. 1997. Latitudinal limits of bats in Alaska. *Arctic* 50:256-265.
136. Parker, D. and J. A. Cook. 1996. Keen's long-eared bat (*Myotis keenii*, Vespertilionidae) confirmed in Southeast Alaska. *Canadian Field-Naturalist* 110:611-614.
137. MacDonald, S. O., and J. A. Cook. 1996. The Land Mammal Fauna of Southeast Alaska. *Canadian Field-Naturalist* 110:571-599.
138. Cook, J. A. 1995. The University of Alaska Mammal Collection. *Cultural Resource Management, National Park Service* 18:15-16.
139. Mouchaty, S. K., J. A. Cook, and G. F. Shields. 1995. Phylogenetic analysis of northern hair seals based on nucleotide sequences of the mitochondrial cytochrome b gene. *Journal of Mammalogy* 76:1178-1185.
140. Houseal, T., J. A. Cook, W. Modi, and D. Hale. 1995. Identification of highly conserved genomic loci by genome painting. *Chromosome Research*, 3:175-181.
141. Cook, J. A. and T. L. Yates. 1994. Systematic relationships of the Bolivian tuco-tucos, genus *Ctenomys* (Rodentia: Ctenomyidae). *Journal of Mammalogy*, 75:583-600.
142. Anderson, S., B. Riddle, T. Yates, and J. A. Cook. 1993. Mamíferos en la region del Parque Nacional de Amboro y Santa Cruz de la Sierra, Bolivia. Special Publication, *The Museum of Southwestern Biology* 2:1-58 (in Spanish).
143. Ruedas, L., J. A. Cook, T. Yates, and J. Bickham. 1993. Conservative genome size evolution in tuco-tucos. (Rodentia: Ctenomyidae). *Genome* 36: 449-458.

144. Cook, J. A., K. R. Bestgen, D. L. Propst, T. L. Yates. 1992. Allozymic divergence and systematic status of the Rio Grande Silvery Minnow (*Hybognathus amarus*, Cypriniformes: Cyprinidae). *Copeia* 1992:36-44
145. Cook, J. A., F. Caceres, and C. Miranda. 1991. Cariotipo del quirquincho (*Chaetophractus nationi*). *Ecologia en Bolivia, Revista del Instituto de Ecologia*, La Paz, Bolivia, 18:21-27 (in Spanish).
146. Kelt, D., E. Palma, M. Gallardo, and J. Cook. 1991. Confirmation of the identity of *Eligmodontia morgani*, with notes on the karyotype of *E. puerulus*. *Z. fur Säugetierkunde* 56:352-358.
147. Vitullo, A. D. and J.A. Cook. 1991. The role of sperm morphology in the evolution of tuco-tucos *Ctenomys* (Rodentia: Ctenomyidae): confirmation of results from Bolivian species. *Z. fur Säugetierkunde*, 56:359-364.
148. Cook, J. A., S. Anderson, and T. L. Yates. 1990. Notes on Bolivian mammals 6: The genus *Ctenomys* (Rodentia: Ctenomyidae) in the highlands. *American Museum of Natural History Novitates*. 2980:1-27.
149. Lessa, E. P., and J. Cook. 1989. Interspecific variation of penial morphology of tuco-tucos (Rodentia: Octodontidae). *Journal of Mammalogy*, 70:984-987.
150. Anderson, S., T. L. Yates, and J. A. Cook. 1987. Notes on Bolivian mammals 4: The genus *Ctenomys* (Rodentia: Ctenomyidae) in the lowlands. *American Museum of Natural History Novitates* 2891:1-19.
151. Best, T. L., R. M. Sullivan, J. A. Cook and T. L. Yates. 1986. Chromosomal, genic and morphologic variation in the agile kangaroo rat, *Dipodomys agilis* (Rodentia: Heteromyidae). *Systematic Zoology* 35:311-324.
152. Bednarz, J. C., and J. A. Cook. 1984. Distribution and numbers of the white-sided jackrabbit (*Lepus callotis gaillardii*) in New Mexico. *Southwestern Naturalist* 29:358-360.

[citations at <http://scholar.google.com/citations?user=WSfSPbgAAAAJ&hl=en>]

Species Accounts, Endangered Species Status Reports and Other Articles

153. Hanken, J., L. McDade, J. Beach, J. Cook, L.S. Ford, K. Joyce, B. Theirs. 2013. Implementation Plan for the Network Integrated Biocollections Alliance. American Institute of Biological Sciences. Reston, VA, USA.
[<http://www.aibs.org/public-policy/biocollections.html>]
154. Sawyer, Y.E., D. Banks-Richardson, S.O. MacDonald, and J.A. Cook. 2009. Introduction of exotic species on islands: Peromyscus found on Shemya Island of

- the far western Aleutian Islands of Alaska. *Peromyscus Newsletter*, 44:27-28.
155. MacDonald, S. O. and J. A. Cook. 2007. Checklist of the Land Mammals of Beringia. 4pp (online <http://www.msb.unm.edu/mammals/publications/Beringianmamchecklist.PDF>)
156. Frey, J. K., S. O. MacDonald, and J. A. Cook. 2006. Checklist to the Mammals of New Mexico. 4 pp (online <http://www.msb.unm.edu/mammals/publications/NMmamchecklist.PDF>)
157. Jarrell, G., S. O. MacDonald, and J. A. Cook. 2005. Checklist to the Mammals of Alaska. University of Alaska Museum. 5 pp. (on-line <http://curator.museum.uaf.edu/AKMammals/checklist.shtml>).
158. Cook, J. A., and D. R. Klein. 1999. *Microtus abbreviatus*. pp. 623-624 in "The Smithsonian book of North American mammals", D Wilson and S. Ruff, eds. Smithsonian Institution Press.
159. Demboski, J., G. Kirkland, and J. A. Cook. 1998. *Glaucomys sabrinus*. pp. 37-39 in D. J. Hafner, E. Yensen, and G. L. Kirkland, Jr. (eds). North American rodents: Status survey and conservation action plan. IUCN/SSC Rodent Specialist Group. Gland, Switzerland and Cambridge, UK. x + 171 pp.
160. Cook, J. A. 1998. *Spermophilus parryii* pp. 49-50 in D. J. Hafner, E. Yensen, and G. L. Kirkland, Jr. (eds). North American rodents: Status survey and conservation action plan. IUCN/SSC Rodent Specialist Group. Gland, Switzerland and Cambridge, UK. x + 171 pp.
161. Cook, J. A. 1998. *Marmota caligata*. pp. 39-40 in D. J. Hafner, E. Yensen, and G. L. Kirkland, Jr. (eds). North American rodents: Status survey and conservation action plan. IUCN/SSC Rodent Specialist Group. Gland, Switzerland and Cambridge, UK. x + 171 pp.
162. Cook, J. A. 1998. *Dicrostonyx unalascensis*. pp. 89 in D. J. Hafner, E. Yensen, and G. L. Kirkland, Jr. (eds). North American rodents: Status survey and conservation action plan. IUCN/SSC Rodent Specialist Group. Gland, Switzerland and Cambridge, UK. x + 171 pp.
163. Cook, J. A. 1998. *Dicrostonyx exsul*. pp. 87-88 in D. J. Hafner, E. Yensen, and G. L. Kirkland, Jr. (eds). North American rodents: Status survey and conservation action plan. IUCN/SSC Rodent Specialist Group. Gland, Switzerland and Cambridge, UK. x + 171 pp.
164. Cook, J. A. 1998. *Microtus abbreviatus* pp. 89-90 in D. J. Hafner, E. Yensen, and G. L. Kirkland, Jr. (eds). North American rodents: Status survey and

- conservation action plan. IUCN/SSC Rodent Specialist Group. Gland, Switzerland and Cambridge, UK. x + 171 pp.
165. Conroy, C. J., and J. A. Cook. 1998. *Microtus longicaudus* pp. 93-95 in D. J. Hafner, E. Yensen, and G. L. Kirkland, Jr. (eds). North American rodents: Status survey and conservation action plan. IUCN/SSC Rodent Specialist Group. Gland, Switzerland and Cambridge, UK. x + 171 pp.
 166. MacDonald, S. O., J. A. Cook, G. Kirkland, Jr., and E. Yensen. 1998. *Microtus pennsylvanicus*. pp. 99-101 in D. J. Hafner, E. Yensen, and G. L. Kirkland, Jr. (eds). North American rodents: Status survey and conservation action plan. IUCN/SSC Rodent Specialist Group. Gland, Switzerland and Cambridge, UK. x + 171 pp.
 167. Cook, J. A. and G. Kirkland. 1998. *Clethrionomys gapperi*. pp. 87 in D. J. Hafner, E. Yensen, and G. L. Kirkland, Jr. (eds). North American rodents: Status survey and conservation action plan. IUCN/SSC Rodent Specialist Group. Gland, Switzerland and Cambridge, UK. x + 171 pp.
 168. Lance, E. W. and J. A. Cook. 1998. *Microtus oeconomus*. pp. 97-99 in D. J. Hafner, E. Yensen, and G. L. Kirkland, Jr. (eds). North American rodents: Status survey and conservation action plan. IUCN/SSC Rodent Specialist Group. Gland, Switzerland and Cambridge, UK. x + 171 pp.
 169. MacDonald, S. O. and J. A. Cook. 1998. *Castor canadensis*. pp. 59-60 in D. J. Hafner, E. Yensen, and G. L. Kirkland, Jr. (eds). North American rodents: Status survey and conservation action plan. IUCN/SSC Rodent Specialist Group. Gland, Switzerland and Cambridge, UK. x + 171 pp.
 170. Yensen, E., J. A. Cook, and D. W. Nagorsen. 1998. Rodents of northwestern North America. Pp. 5-9, in North American rodents: action plans for species of conservation concern (D. J. Hafner, E. Yensen, and G. L. Kirkland, Jr., eds.). IUCN---the World Conservation Union, Gland, Switzerland.
 171. Weintraub, E. L., and J. A. Cook. 1995. *Microtus oeconomus elymocetes*. U.S. Fish and Wildlife Service, Endangered Species Status Report. 37 pp.
 172. Conroy, C.J., J. A. Cook. S. O. MacDonald, and K. J. Bagne. 1993. Discovery of black morph *Peromyscus* in Southeast Alaska. *Peromyscus Newsletter* 15:30-31.

Manuscripts Submitted:

Hope, A., Waltari, E. Malaney, J.; Payer, D. Cook, J. Talbot, S. In revision. Arctic biodiversity: richness may increase, but tundra retreat suggests refugia for cold-associated taxa are vital..

Runck, A.M., M. Matocq, and J. A. Cook. In revision. Do contact zones evolve over time? A case of readily hybridizing red-backed voles (Genus *Myodes*). Molecular Ecology

Dawson, N. G., M. P. Small, K. D. Stone, and J. A. Cook. In Revision. Conservation genetics and management considerations for high latitude island faunas: Marten (*Martes americana* and *Martes caurina*) along the North Pacific Coast. Biological Conservation.

Talbot, S.L., S. A. Sonsthagen, G. K. Sage, S. D. Farley, N. G. Dawson, and J.A. Cook. Island bears: insularity and gene flow among coastal brown bear populations of southeast Alaska. In revision, Journal of Mammalogy

Hart, T., J. Mackenzie-Dodds, R. Huxley, K. Ciborowski, J.A Cook, O. Hogg; J. Banks, A. Emery, A. Jungblut, C. Lyal, and J. Jackson. Submitted. SNOWBANK: Designing a repository of polar samples to facilitate large-scale ecological studies. Polar Biology.

Sawyer, Y.E., and J. A. Cook. In revision. Phylogeographic dynamics in response to refugia and post-glacial colonization in a wide ranging vole. Molecular Ecology.

Manuscripts In Prep:

Hope, A. G., J. S. Findley, J. R. Demboski, K. A. Speer, C. A. Ramotnik, and J. A. Cook. Taxonomic assessment of a novel shrew (*Sorex*) from the southwest United States.

Malaney, J. L., J. R. Demboski, and J. A. Cook. In prep. Genetic, niche, and spatial divergence: exploring the continuum using integrative and comparative species delimitation in a conservation context.

Memberships

Sigma Xi (Life)

American Society of Mammalogists (Life)

Society for the Study of Evolution

Society of Systematic Biologists

Society for Advancement of Chicanos and Native Americans in Science

Mentoring and Instruction

Formal Courses

University of New Mexico

- Mammalogy-BIO 489 (8X)
- Advanced Mammalogy-BIO 402/502 (3X)
- Advanced Field Methods in Tropical Biology BIO 402/502 (Panama)
- Introduction to Tropical Biology BIO 461 (Belize, Costa Rica (5X), Panama (2X))
- Ecology and Evolution-BIO 203 (2X)
- Basic Graduate Evolution-BIO 517 (2X)
- Art and Natural History-BIO 402/502, Honors, Art (co-taught w/ Szu-Han Ho)
- Lab Topics-BIO 402-502 1 hour seminar (16X)
- UnO Seminar—BIO 402, 1 hour seminar (8X)
- AIM-UP Seminars—BIO 402/502 (5X)

Idaho State University

- Molecular Evolution-BIOS 499/599
- Host Parasite Coevolution-BIOS 499/599 (with Walt Boeger)
- Phylogeography and Coalescent Theory-BIOS 499/599 (with Enrique Lessa)
- Advanced Topics in Genetics-BIOS 659

University of Alaska Fairbanks

- Evolution-BIOL 308
- Systematic and Comparative Biology- BIOL 615/497
- Mammalogy-BIOL 425
- Tropical Field Ecology BIOL 678 (Paraguay)
- Wildlife Field Trip WLF 612 (with Dave Klein to Southeast Alaska)

Universidad de la Republica, Montevideo

- Análisis Filogenético (1997) (with Enrique Lessa)
- Museum Databases and Climate Change (2013)

Universidad Gabriel Rene Moreno-Santa Cruz, Bolivia

- Biología de la Conservación: La Perspectiva Genética y Evolutiva (1997)

Individual Studies & Discussion Courses

Biology and Wildlife

Readings and Discussions

- Readings in Evolution
- Molecular Systematics
- Rodent Biogeography
- Biogeography Alaska Bats
- Canid Phylogenies
- Island Biology
- Readings in Mammalogy
- Analysis of Genetic Data (w/ Chris Conroy)
- Population Genetics II (w/ Karen Stone)

Museum Studies

- Phocid Curation-BIOL 697
- Research Collection Management-BIOS 499

Post-doctoral Research Associates Supervised

Dr. Melissa Fleming, 1997-1999, Molecular systematics of ermine and mink, NSF Sloan Post Doctoral Fellowship in Molecular Evolution.

Dr. Sue Kutz, 2000-2002 Host-parasite Coevolution, NSF Arctic Archival Observatory (now Associate Professor, University of Calgary)

Dr. Vadim Fedorov, 2001-2002 Lemming phylogeography, NSF BCP (now Research Associate Professor, UAF)

Dr. Maureen Small, 2001 Genetic perspectives on North Pacific marten (now Geneticist, Washington State Wildlife Program)

Dr. Angela Garcia, 2001- Mutation rates in *Peromyscus* of the INEEL

Dr. Janet Loxterman, 2001-2002 Conservation genetics of flying squirrels-USFWS (now Assistant Professor, ISU)

Dr. Fernando Torres, 2004-2009 Molecular variability in *O. longicaudatus*—NIH (now Associate Professor, Universidad Catolica, Valparaiso)

Dr. Chris Himes, ASERT Fellow, 2010- 2011 Comparative Phylogeography—NIH (now Assistant Professor, Massachusetts College of Liberal Arts)

Dr. Eleanor Deardorff, 2012-2014, Emerging viruses in northern mammals (USGS)

Graduate Student Advising

University of Alaska Fairbanks

Suzette (Durrall) Mouchaty, M. S. (1993)

Ellen Weintraub Lance, M. S. (1995)

Doreen Parker, M. S. (1996)

Guillermo D'Elia, M.S. (1996), Co-advisor of Graduate Committee at
Universidad de la Republica, Facultad de Ciencias, Montevideo

Chris Conroy, Ph.D. (1998)

John Demboski, Ph.D. (1999)

Karen Stone, Ph. D. (2000)

Allison Bidlack, M. S. (2000)

John Levino-Chythlook, M.S. (2000)

Amy Runck, M.S. (2001)

Kurt Galbreath, M.S. (2002)

Idaho State University

Michael Lucid, M.S. (2003)

Byron Weckworth, M.S. (2003)

Aren Eddingsaas, M.S. (2003)

Eric Tomasik, M.S. (2003)

Eric Waltari, Ph. D. (2005)

Amy Runck, Ph.D. (2006)

University of New Mexico

Anson Koehler, M.S. (2006)

Jose Frances, M.S. (2008)

Natalie Dawson, Ph. D. (2008)
Andrew Hope, Ph. D. (2011)
Brittany Barker Ph. D. (2012, co-advised)
Jason Malaney, Ph. D. (2013) -- *Exploring signals of historical demography in boreal mammals through integration of statistical conservation phylogenetics, taxonomy, and comparative phylogeography*.
Brooks Kohli, M. S. (2013)-- *Red-backed vole (Myodes) phylogeography and systematics*.
Yadeeh Escobedo Sawyer, Ph. D. (2014)- *Living on the Edge: A comparative phylogeographic study of refugial and insular fragmentation*

In Progress

Ph.D.--- **Jolene Rearick, Kayce Bell, Jessica Weber, Bryan McLean, Carlos Carrion**
 M. S.--- **Amanda Jones, Jocelyn Colella, Donovan Jackson, Dianna Kresja**

I have been a member of >35 other master's or doctoral committees (UAF, ISU, UNM and other).

Undergraduate Honors Theses Supervised:

1994- James Wood "Chromosomal Evolution in the Bolivian Spiny Rats"
 1996- Randy Brown "The Small Mammal Fauna of the Alaska Peninsula"
 1996- Beverly Johnson "Molecular systematics of the Red-backed Voles (*Clethrionomys rutilus* and *C. gapperi*)"
 1999- Kalin Kellie "Cranial variation in the Kodiak Brown Bear (*Ursus arctos*): Implications for Age Prediction"
 2010- Kelly Speer "Identity and biogeographic history of Hayden's shrew"
 2010- Vani Aran "Historical demography of the Puerto Rican coquis"

Other Student Research Projects Supervised

Mentored numerous projects (e.g., NSF REU) with undergraduate students. In addition, the following students have conducted independent projects through the Cook lab.

Sea Otter Morphometrics - Kirsten Bagne
 Chromosome Evolution - Melanie Wike
 Phocid Systematics - Suzette Durall
 Carnivore Karyology- Tom Seaton
 Soricid Biogeography- Michael MacDonald
 Molecular Systematics of *Zapus* - Rich Brenner
 Field Bat Ecology- Joshua Fisher
 Arctic Ground Squirrel Phylogeography- Brandy Jacobsen
 Hybrid zone dynamics in *Clethrionomys*- Kayce Bell
 Molecular markers for mutagenesis studies-Matt Duersch
 Conservation genetics of marten of the Pacific Northwest-Kebai Gamblin
 Phylogeography of jumping mice-Harmony Dancing Rain Spoonhunter
 Whale mitogenomics-Carlee Hengle
 Small mammal mutation rates at INEEL- Karl Vanderwood
 Small mammal communities in Northwest Alaska-Skylar Smith, 2003.

Molecular genetics of a contact zone in *Clethrionomys*- Kayce Bell
 Population genetics of insular deer mice-Aaron Orme
 Endemism along the North Pacific Coast-the case of ermine—Krista Ortega
 Population level assessments of *Soboliphyme* --Elisha Song
 Phylogeography of the western jumping mouse—Lena Moffit
 Jumping mice systematics in western North America--Ashley Montoya
 Archival resource for the endangered Mexican Gray Wolf—Randle McCain
 Island endemism in the Alexander Archipelago—David Banks-Richardson
 Phylogeography of North Pacific Coastal ermine—Hiyatsi Bassett
 Molecular variation in Caribbean coquis---Sophia Thompson
 Morphological comparison of martens of North America--Johanna Johnson
 NUMTs in the nuclear genome of *Thylamys venustus* --Meghan McClean
 Novel *Arostrilepis* variation across Beringia--- Abigail Ramirez
 Molecular basis of freeze tolerance in amphibians---Angelica Swanson
 Chipmunk-louse coevolution—Diego Matek
 Phylogeography of Southeast Alaska masked shrews--April Chavez
 Sciurid community evolution—Donavan Jackson
 Hantavirus-mammal coevolution---Fernando Miralles Salazar (MARC)
 Hybridization dynamics in *Peromyscus maniculatus* –Amber Trujillo
 Chipmunk lice diversification—Heather Toman
 Coevolution of pinworms and chipmunks---Schuyler Liphardt
 Helminth diversity—Ryan Barber (CIIBA REU)
 Parasite object tracking, databasing- Elias Alejandro Salazar (Rausch REU)
 Voucher databasing; cataloging in Arctos--Alexander Hendrickson (REU) Rausch
 Parasite biogeography SE Alaska---Niccolette Ochoa (REU)
 Parasite biogeography SE Alaska---Kristin Meyer (REU)
 Louse/chipmunk coevolution—Kendall Calhoun (MARC from UC Berkeley)

NIH PREP Scholars

Candice Espinoza, Mongolian pika evolution
 Donovan Jackson, ground squirrel phylogenetics

UNM Regent's Scholar Mentorships

Ben Ediger (Goldwater Recipient, PhD at University of Pennsylvania)
 Kelly Speer (now in MS Program at U Florida)

High School Students Mentored

Mentored >85 high school students in my DNA lab, the museum collection, or in museum fieldwork in the last 12 years including 6 Hispanic and 5 Native American students. Some were supported through NSF's program "Research Assistantships for Minority High School Students", the BLM's RAP program, or from other sources. I have partnered with high school teachers (e.g., Michael Sellers—Noorvik; Kent Bovee--Sitka) to design mammal monitoring programs (Seller's students repeatedly won awards at state-wide and national AISES conferences).

High School Student Training in DNA research (examples)

Brandy Tanner 1995 (North Pole) BS, Biology, UAF, 2001
Jennifer Angaiak 1997 (Lathrop High School; Biochemistry degree at U Washington)
John Quarles summer 1998 (Lathrop High School)
Sarah Klein fall 1998-(Lathrop High School)
Kathleen Bongiovanni-1999 (North Pole--AK High School Science Symp. participant)
Robert Foster, 2001 (Noorvik High School) Small mammal fieldwork in Northwest
Alaska, American Indian Science and Engineering Society, National Science &
Engineering Fair project
Jeff Gower (Pocatello High; along w/ high school teacher Teri Mitton)-summer 2002
Ben Ediger (La Cueva High) 2004-2005 (Goldwater Scholarship Recipient),
Now in Med School, Pennsylvania State University
Christine Kreitinger (La Cueva High) 2007-2008
Victoria Corvino (Highland High) 2008-2009
William Kanagy (Highland High School) 2009-2010
Shane Wilder (Albuquerque High) 2010
CIIBA NSF-RAHSS 2014:
Moses Nagurski, Amy Biehl High School
Victoria Crosby, Amy Biehl High School
Gabriella Albert, Sandia Prep High School
Hannah Qualls, Sandia Prep High School

Major Programmatic Initiatives



UnO, Undergraduate Opportunities Program Director, 2007-2013

The Undergraduate Opportunities (UnO) Program supported 46 undergraduate students at the University of New Mexico by immersing them directly into evolutionary and ecological research projects across the Biology Department (25 faculty mentors, three staff mentors, five post doc mentors, and 31 graduate student mentors). With a home base in the Museum of Southwestern Biology, UnO increased level of interest in advanced graduate training and research careers by these University of New Mexico students. Student scholars worked alongside faculty and graduate student mentors to directly experience the excitement of scientific discovery in research projects ranging from evolutionary genomics (looking at changes in the DNA of plants and animals) to environmental fieldwork at locations ranging from Alaska to Peru. Scholars also received help navigating courses, professional development, research ethics, networking and time management. Weekly seminars created a cohesive Scholar cohort, provided insight into professional ethics, honed presentation and mentoring skills, and instilled the confidence that allowed students to excel and explore other aspects of their educational experience. In five years, UnO established a >90% retention rate, with 46 scholars graduated. Of these, 18 entered graduate programs to date, 3 entered medical or vet school, and an additional 7 already have professional positions in biology. Several UnO scholars won prestigious national awards, including the Barry Goldwater Scholarship, Harry and Mabel Leonard Research Fellowship, James Drew Pfeiffer Memorial Scholarship, Maurice Hughes Scholarship for Excellence in Research, NSF STEM scholarship, and others. UnO scholars presented their research at local, national and/ or international conferences (e.g., Cambridge, UK; Yucatan, Mexico) and 19 peer-reviewed papers have been published. Scholars also created the UnO Roadshow, with scholars traveling to

seven local K-12 schools to talk about their projects and to encourage students to go on to college, as well as appearing on the local public radio station programs such as the Saturday “Children’s Hour” program.



Beringia Coevolution Project Director, 1999-present

An international consortium focused on building integrated biodiversity archives and informatics resources for the Arctic that link North American research institutions (UNM, University of Alaska Fairbanks, USDA National Parasite Collection-Beltsville, University of Alberta), management agencies (USGS, USFWS, Alaska Department of Fish and Game, Yukon Renewable Resources), and policy makers (Conservation of Arctic Fauna and Flora) with similar Asian and European institutions (Vantaa Research Center-Finland, Russian Academy of Sciences and University of Saskatchewan). We have conducted field studies focused on complex host-parasite systems among mammals, emphasizing long-term collection sites and previously unexplored and remote sites in Far Eastern Siberia, Canada, and Alaska. Our integrated surveys and informatics resources: 1) *provide a site intensive and geographically extensive archive of biodiversity samples from key high-latitude areas*; 2) *develop a comparative framework for the nexus of Asia and North America (Beringia) to examine host-parasite systems, emergent pathogens, coevolution and historical biogeography*; 3) *provide a rigorous spatial and temporal foundation at fine scales for integrated investigations of Arctic*; and 4) *explore large scale forces that have structured high-latitude biomes*. This infrastructure is stimulating basic research and conservation in the face of changing climate and increasing anthropogenic impacts at high latitudes. **A total of 19 graduate student theses and dissertations and >160 publications have been completed.** More than 250 sites spanning >100° longitude & >25° latitude (Figure 1) have been inventoried. We delivered public seminars (e.g., to Native villages, rural high schools, academic centers across the US and Canada), participated in agency workshops (keynote addresses at NPS Inventory Workshops 2004-05; USDA Forest Service Wildlife Management Conferences 2007); conservation workshops (e.g., 2008 Tongass Science Cruise) and international congresses. BCP was instrumental to the development of the first 4 International Workshops for Arctic Parasitology (Saskatchewan, 2000; Finland, 2003; Calgary, 2006; Fennoscandia, 2010); BCP research was recently highlighted at a special invited symposium for the annual meeting of the American Society of Parasitologists in Anchorage. Collectively, these establish a crucial foundation for conservation in the face of changing climate and anthropogenic impacts.

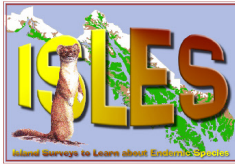


Advancing the Integration of Museum Collections into Education

AIM-UP! is an NSF-funded Research Coordination Network (May 2010 to April 2015) that explores the use of natural history collections in undergraduate education. AIM-UP! is refining existing efforts and developing new integrated approaches to collections-based training in large-scale questions using the expertise of educators, curators, collection managers, database managers, and scientists whose work spans disciplines and relates topics covering a spectrum of time and space. The network is:

- developing teaching and analytic tools for training students in the emerging fields of climate change, evolutionary genomics and molecular ecology
- developing instructional tools for how to use museum databases (freely available to the public)
- developing an integrated network of educators working on specimen-based questions
- including minorities and females, agency biologists, academics, & international participants
- training undergraduate students in museum-based field and laboratory research
- targeting underrepresented students emphasizing pace-based issues relevant to their communities.

Network participants communicate through 1) annual three-day all-hands working meeting at field stations and participating institutions; 2) workshops at scientific meetings; 3) frequent interaction via interactive internet services (e.g., video conferenced courses); 4) short-term exchanges of museum educators and scientists for intensive content development; and 5) seminar courses available via webcasting to all network participants.



Island Surveys to Learn about Endemic Species (ISLES)

ISLES is a cooperative effort between resource management agencies, the University of New Mexico, and public school teachers that focuses on the fascinating islands of the [Alexander Archipelago](#). Our aim is to continue building a natural history archive representing wildlife populations throughout Southeast Alaska, which will stimulate research and teaching efforts related to the region's incomparable wildlife, islands, and associated ecosystems. The archive includes traditional museum specimens tied to a [web-accessible database](#) that tracks all investigations based on these materials. This natural history library allows teachers, students, trappers, researchers, and the general public to learn more about Southeast Alaska. It also helps managers address issues such as [emerging pathogens](#), wildlife disease, habitat conversion, and population viability. To date, these efforts have demonstrated that island [endemics](#) are actually more widely distributed than early work indicated. Conversely, cryptic (previously unknown) forms have been discovered. Basic information on each island population is essential to prioritizing limited resources related to the management of wildlife.

The ISLES Archive develops through three primary initiatives:

- Interagency Salvage Network with cooperating trappers and hunters around the region
- Field Inventory of Small Mammals—Started in 1991 in Southeast Alaska
- Education—Developing island-based science content for public school students.

Grants, Contracts, Endowments

(realized extramural \$ only; **all as PI**, except as noted)

2014

1. USGS Specimen Georeferencing (7/1/14-3/31/15)	\$49,980
2. NSF-REU Supplement to DEB 1258010 (3/1/13-2/28/16)	\$6000
3. NSF-REU Supplement to DEB 1057383 /1/11-12/32/14	\$11,000
4. NSF-RAHSS Supplement to DEB 1057383 /1/11-12/32/14	\$5,400
5. NM Department of Homeland Security, Museum Seismic Mitigation 8/30/14-6/30/15 (co-PI)	\$81,829

2013

6. NSF-DEB 1258010 (3/1/13-2/28/16)
Collaborative & Integrative Inventories of Biomes of the Arctic
(with K Galbreath, Northern Michigan University & E. DeChaine,
Western Washington University) (\$450K to UNM) \$945,000
7. USGS Cooperative Agreement-II, Tundra Preserves (6/11-12/13) \$65,000
8. USGS Cooperative Agreement, Completion of Museum Integration \$84,000
9. USGS Cooperative Agreement, Student Research (9/15/13-9/15/15) \$89,838
10. NSF-1311076 DISSERTATION RESEARCH: Elucidating Evolutionary
Histories of Multiple Chipmunk Parasites Using Next Generation
Sequencing (Kayce Bell; 7/1/13-7/1/14) \$19,603

2012

11. USFWS-*Zapus h. preblei* conservation (8/12-12/12) \$28,000
12. USGS Cooperative Agreement, Tundra Preserves (6/11-12/13) \$58,000
13. College of Arts and Sciences, Turner Ranch Research Fund \$10,000
14. USDA Forest Service
ISLES—Amendment 2 (6/12-12/13) \$40,000

2011

15. NSF-DEB 1057383 1/1/11-12/32/14
Integration and Curation of the Robert and Virginia Rausch Helminthological
Collection- A Resource for Science and Society in the MSB Division of
Parasitology \$489,490
16. NSF-DEB 0956129 5/01/2010-4/30/2015
RCN-UBE: Advancing Integration of Museums into Undergraduate
Programs (AIM-UP!) (w/ E. Lacey, S. Edwards, S. Ickert-Bond). \$485,648
17. Wilburforce Foundation
A Test of Landscape Connectivity across the Sky Islands Region
using Large Carnivores as Model Organisms---II
(co-PI; PI is Gary Roemer, NMSU). \$ 25,000

2010

18. Initiated, Bruce J. Hayward Student Fund (UNM Foundation) \$248,000

2009

19. USDA Forest Service
ISLES—Amendment 1 (9/09-12/12) \$180,000

2008

20. New Mexico Department of Game and Fish
Swift Fox Identification \$ 20,100
21. USDA Forest Service
ISLES—Island Survey to Locate Endemics (9/08-12/12) \$100,000
22. Wilburforce Foundation
A Test of Landscape Connectivity across the Sky Islands Region
using Large Carnivores as Model Organisms
(co-PI; PI is Gary Roemer, NMSU). \$ 25,000
23. NSF-DEB 0744025 2/01/2008-2/01/2010
Curation, Databasing, and Integration of the Orphaned
Illinois Mammal Collection. \$ 259,285
24. Initiated the Terry Yates Endowment for Field Mammalogy
UNM Foundation Account \$ 102,000

2007

25. NSF-DEB 0731350 08/01/07 - 08/01/12
URM: Undergraduate Opportunities (UNO) \$1,014,659
26. NSF-DEB 0717214 09/11/07 -9/01/10 (Co-PI) \$819,511
Mongolia Vertebrate Parasite Project (to University of Nebraska)
27. NSF-DEB 0726625 (Transfer of BCP & Rausch Helminth
Collections to MSB) Amendment No. 6 to DEB-0415668 \$9,997

2006

28. National Science Foundation, REU-II Supplement for BCP	\$15,000
29. US Fish and Wildlife Service, Juneau Molecular Genetics of Endemics	\$40,000
30. USDA Forest Service, Tongass National Forest Inventory and Monitoring of Small Mammals	\$10,000
31. NIH- 2 D43 TW001133-06A1 (G MERTZ, PI) 07/01/1999 - 03/31/2011 Fogarty International Training Grant Project Title: Training in Hantavirus Ecology, Virology & Clinical Investigation in the Americas (1 st year)	\$126,400

2005

32. Alaska Department of Fish and Game, UAA Species of Concern in Alaska	\$17,000
33. National Science Foundation, REU Supplement for BCP	\$15,000
34. USDA Forest Service Pacific Northwest Lab Endemics of the Tongass	\$49,000
35. USDA Forest Service, Tongass National Forest Inventory and Monitoring of Small Mammals	\$29,000
36. US Fish and Wildlife Service, Juneau Molecular Genetics of Endemics	\$49,500

2004

37. National Science Foundation, Beringia Coevolution Project II Funded 2004-2007, NSF0415668	\$502,713
38. NIH, Fogarty International Center, D43TW007131-01, Postdoctoral training in hantavirus ecology (co-PI) 9/04-9/05	\$49,000

2003

39. US Fish and Wildlife Service, Juneau Molecular Genetics of Coastal and Insular Mammals	\$39,000
40. National Science Foundation, UMEB program, 0305289 PI (moved to co-PI; Feb 2004)	\$391,000

41. National Park Service, Inventory of SWAN Parks, Coop Agreement	\$ 71,000
42. US Fish and Wildlife Service, Homer, Aleutian Ground Squirrels: Endemics or Exotics	\$ 25,351
2002	
43. National Park Service, Inventory of CAN and NWAN Parks, Coop Agreement	\$ 123,546
44. National Park Service, Wolverine Genetics, Coop Agreement	\$18,000
2001	
45. US Fish and Wildlife Service, Aleutian Ground Squirrels	\$ 33,031
46. Bechtel BWXT ID-LLC, INEEL <i>Peromyscus</i>	\$ 143,633
47. National Park Service, Mammal Inventory of Alaska Parks	\$ 168,000
2000	
48. National Science Foundation, Supplement to 0196095 (UNM Coccidia and Siberian Invertebrates)	\$70,677
49. National Science Foundation, Supplement to 9876837 (Yukon Ice Patch)	\$26,837
50. National Park Service, Inventory of Alaska Parks, Coop Agreement	\$61,000
51. US Fish & Wildlife Service, Conservation Genetics of Island Endemics	\$69,000
52. National Science Foundation, Research Experiences for Undergraduates Supplements to 9876837 & 9972154	\$17,500
53. Alaska Department of Fish and Game Assessment of marten on Chichagof Island	\$5,500
54. National Science Foundation, An Arctic Archival Observatory (9981915) (Cook, PI, with co-PI's Gangloff, Winker, Jarrell, Oswood)	\$1,100,000
1999	
55. North Pacific Marine Research Initiative, Harbor Seal biological sampling: expanding the scope of the Subsistence Archival Project (3 years)	\$100,000
56. National Science Foundation, Frozen Fauna of the Yukon Snowfields, supplement to DBI9876837	\$ 20,095

57. National Science Foundation, The Alaska Frozen Tissue Collection:
A resource for investigations of mammals DBI9876837 (3 years)
\$168,780
58. National Science Foundation, The Beringian Coevolution Project
DBI-9972154 (3 years)-(w/ Hoberg, Telford) to ISU as 019609 \$240,243

1998

59. USDA Forest Service, Tongass National Forest,
Mammal Inventory (V) \$40,050
60. Coastal Marine Institute (1st year of 3 year) \$74,711
61. BC Ministry of Environment, Lands, and Parks-Bats \$ 9,000
62. Alaska Native Seal Harbor Commission-Computerization \$ 2,000
63. Bruce J. Hayward Mammal Fund (5 year total \$75,000) \$15,000

1997

64. Rotary International, Grant for University Teachers \$10,000
65. Embajada de Paises Bajos (Dutch Embassy-Bolivia) \$ 8,000
66. USDA Forest Service-Vouchering Small Mammals \$12,800
67. USDA Forest Service-Mammal Inventory of the Tongass (IV) \$26,000
68. Coastal Marine Institute- (third year)
69. US Fish and Wildlife Service-Endangered Species Program
- a. Marten (2 year) \$65,000
 - b. Long-tailed Voles (2 year) \$35,000
 - c. Red-backed Voles (2 year) \$35,000
 - d. Flying Squirrels (2 year) \$35,000
70. US Fish and Wildlife Service
- a. Vouchering for Yukon Flats NWR \$ 1,375
71. Alaska Department of Health and Public Services
- a. Health Aspects of SE Alaska Bats \$ 2,085
72. NSF Sloan Post-doc Fellowship-to Dr. Melissa Fleming (PI) \$80,000
73. Foundation Gifts, Hayward Mammal Fund \$15,000

1996

- 74. USDA Forest Sciences Lab, Endemics of the Tongass National Forest, \$55,000
- 75. US Fish and Wildlife Service, Museum Vouchering \$ 2,250
- 76. National Park Service, Cooperative Agreement, \$ 9,356
- 77. Coastal Marine Institute "The Alaska Frozen Tissue Collection and Associated Electronic Database: A Resource for Marine Biotechnology" (2nd yr)

1995

- 78. NSF/REU -Supplement to BSR 9201380, undergrad museum project \$10,000
- 79. USFS-Forest Sciences Lab (1 yr) \$27,000
- 80. US Fish and Wildlife Service- Endangered Species Program "The status of Southeast Alaska Endemic Mammalian Fauna: a small mammal investigation including the Prince of Wales Flying Squirrel" (2 yr.) \$26,000
- 81. Coastal Marine Institute "The Alaska Frozen Tissue Collection and Associated Electronic Database for Marine Biotechnology" (3 yr;) \$99,601
- 82. National Marine Fisheries "Marine Mammal Stranding Network" (1 yr) \$4,000
- 83. Homeland Foundation, "Tropical Field Ecology Course for Paraguayans at Mbaracayu Reserve, Paraguay" (with Lee Fitzgerald and Kim Hill) \$10,000

1994

- 84. Inventory of Small Mammals on Fort Richardson, AK to the Dept. of Defense (funded through NSF supplement to BSR 9201380) \$48,000
- 85. Preliminary studies of the molecular systematics of the genus *Tupinambis*. World Wildlife Fund (funded; co-PI) \$2,500
- 86. Development of a Core Facility for DNA Sequencing NSF (co-PI w/ G. Shields, B. Boyer, S. Smiley) (funded; 5 yr) \$120,150

1993

- 87. Research Experiences for Undergraduates, Third Award (REU) Supplement, NSF grant BSR 8920617 \$20,000
- 88. Taxonomic Status and Ecology of the Montague Island Tundra Vole, Status report, USFWS \$ 5,950
- 89. NSF-REU to BSR 9201380, Collections Improvement Grant \$12,500

90. NSF-RAMHSS High School Student Supplement	\$ 7,500
91. Mammalian Biodiversity in SE Alaska	
a. US Forest Service, Chatham Area	\$24,000
92. UAF Faculty Small Grant Program	\$ 6,340
93. Small Mammal Monitoring Denali National Park	
DOI, NPS, (co-PI w/ E. Rexstad)	\$36,000
94. Mammalian Diversity of Beringia: A Binational Inventory	
State Legislature Appropriation for Museum Acquisitions	\$8,000
95. Small mammal vouchers of Koyukuk/Nowitna	
US Fish and Wildlife Service	\$2,250
96. Prehistory and paleoecology of Southeastern Alaskan Karst.	
University of Alaska Natural Resources Fund. (co-PI)	\$20,000
1992	
97. Research Experiences for Undergraduates, (Second REU) Supplement,	
NSF grant BSR 8920617	\$12,140
98. Taxonomic Status and Ecology of the Montague Island Tundra Vole,	
USDA, Forest Service	\$20,000
99. Exxon Valdez Sea Otter Specimen Salvage.	
National Science Foundation (DEB-9345489)	\$14,916
100. Mammalian Biodiversity in SE Alaska	
Alaska Department Fish and Game	\$ 6,500
101. Small Mammal Monitoring Denali National Park	
National Park Service, (w/ E. Rexstad)	\$24,000
102. Visitation Grant, Americas Program, NSF, Uruguay	\$ 3,800
103. Mammalian Biodiversity in Southeast Alaska, Ketchikan Area	\$20,000
1991	
104. Research Experiences for Undergraduates (REU) Supplement	
to NSF grant BSR 8920617	\$10,000
105. Taxonomic Status and Ecology of the Montague Island Tundra Vole	

US Forest Service	\$20,000
106. Museum Curation and Molecular Genetic Analysis of a World-Class Collection of Hair Seals. UAF President's Special Projects Fund	\$3,000
107. Mammalian Biodiversity in SE Alaska, Acquisitions Fund	\$ 6,500
108. Collections Improvement Grant to the NSF Division of Biotic Research Resources. "Database Development and Verification for the Mammal Collection of the Univ. of Alaska Museum."	\$179,455
1990	
109. Mammalian Diversity in Bolivia-The Yungas and Valles National Science Foundation (co-PI; Yates, PI; BSR 8920617)	\$130,000
110. Taxonomy and habitat affinities of the Montague Island Vole (<i>Microtus oeconomus elymocetes</i>). USDA, Forest Service.	\$26,000
111. Research Experiences for Undergraduates, National Science Foundation (supplement to Mammalian Diversity in Bolivia, co-PI).	\$12,800

Invited Scientific Presentations and Symposia:

1. "Beringia Coevolution Project: Building integrated biodiversity infrastructure for the Arctic" Arctic Biodiversity Congress, Trondheim, Norway, December 2014.
2. "Hantavirus Emergence and Detection: A Case Study" at SciColl's Engaging Scientific Collections in Emerging Infectious Disease Research. Smithsonian Institution, Washington DC, October 2014.
3. "Societal Challenges, Big Data, and Long-term Archives", Ecological Society of America, Implementing Vision and Changes, Workshop on Specimen-Based Educational Modules, San Jose State University, CA, October 2014.
4. "Advancing the Integration of Museums into Undergraduate Education". Symposium on Museum resources in Undergraduate Education at the American Society of Mammalogists 94th Annual Meeting, Oklahoma City, OK. June 2014.
5. "Building Critical Scientific Infrastructure for Key Societal Issues". University of Florida, Gainesville. May 2014.
6. "Introduction to AIM-UP!". iDigBio Education and Outreach Workshop. University of Florida, Gainesville, January 2014.
7. "Beringia: it's role as a crossroads and refugium in the assembly of North American mammal diversity." Seccion de Evolucion, Universidad de la Republica, Montevideo, Uruguay. December 2013.
8. "The role of climate in structuring mammals and their associated parasites in northwestern North America." University of Alaska Southeast and Alaska Coastal Rainforest Center, Juneau, October 2013.
9. "Mammalian Phylogeography of Northwestern North America." Biogeography Symposium, 11th International Mammal Congress, Belfast, UK Aug 2013.
10. AIM-UP! Advancing the Integration of Museum Collections into Undergraduate Education. CollectionsWeb Symposium, Smithsonian Institution, May 2013.
11. "Integrated inventories shed new light on the role of Beringia in the diversification of high latitude species." Texas Tech University, Lubbock, May 2, 2012.
12. "Beringia: A molecular perspective on mammals and parasites." University of Alberta, Edmonton, April 2012.
13. "AIM-UP!-Advancing the Integration of Museums into Undergraduate Programs", CollectionsWeb Education Symposium, Radford, VA Oct 2011.
14. "Beringia: Climate and History Structure High Latitude Mammals and Parasites" in High Latitude Host-Parasite Symposium, American Society of Parasitologists, Anchorage, Alaska June 2011.
15. "Molecular genetic perspectives on the Arctic". Gilleje, Denmark. Arctic Biodiversity Workshop, Conservation of Arctic Fauna and Flora. March 2010.
16. "An overview of mammalian phylogeography in North America." Tenth International Mammal Congress, Mendoza, Argentina. August 2009.
17. "High Latitude Science: The Beringian Coevolution Project." Coalition for National Science Funding (CNSF) Capitol Hill. Longworth Building. Washington, DC June 2007.
18. "Host-Parasite Diversification Around the North Pacific Rim" University of Wyoming, Laramie, Dec 2006.

19. "A Macroevolutionary Mosaic: Episodic Processes and History of Northern Faunas". (w/ E. Hoberg). International Workshop on Arctic Parasitology, Calgary, November 2006.
20. "Diversification across the High Latitude Nexus between Asia and North America. Univ. of Kansas, Lawrence, KS, May 2006.
21. "Beringia: Intercontinental exchange and diversification of high latitude mammals and their parasites during the Pliocene and Quaternary" Kansas State Univ., Manhattan, KS, Dec. 2005.
22. "Reflections on a northern host/parasite biota: Beringia" International Mammalogical Congress, Sapporo, Japan August 2005.
23. "Beringia: Impact of climate change on intercontinental exchange of high latitude mammals". International Mammalogical Congress, Sapporo, Japan August 2005.
24. "Interhemispheric exchange of high latitude mammals" European Evolution Meetings, Krakow, Poland. August 2005 (with Amy Runck).
25. "Historical biogeography at the cross-roads of the northern continents: Molecular phylogenetics of red-backed voles (Rodentia: Arvicolinae)." Symposium on Systematics and Phylogeography of Mammals in Eastern Asia, Taiwan, October 2004 (w/ C. Conroy).
26. "Beringia: Impact of climate change on diversification of high latitude mammals" Promotion seminar, University of New Mexico, September 2004.
27. "The emerging phylogeographic view of arctic diversity". International Workshop on Arctic Parasitology, Rovaniemi, Finland. September 2003.
28. "Molecular perspectives on high (and low) latitude mammals". University of New Mexico, April 2003.
29. "Biogeography and Evolution in Northern Host-Parasite Systems" invited talk in a symposium honoring Robert L. Rausch and Virginia R. Rausch. International Congress of Parasitology (ICOPA) X. Vancouver, BC. August 2002.
30. "Multiple mammalian lineages along the North Pacific Coast suggest a complex environmental history" University of California, Davis May 2000
31. "Historical Biogeography of Northwestern North America: A Mammalian Perspective", Idaho State University, Pocatello, April, 2000
32. "Comparative phylogeography of the North Pacific Coast". Ohio University, Athens, January 2000
33. "Historical biogeography of North American mammals: Evidence for multiple lineages across Alaska and the North Pacific Coast." University of Washington, Dept. of Zoology, May 1999.
34. "The role of the North Pacific Coast and Beringia in mammalian diversification", Life Sciences Seminar, University of Alaska Fairbanks, Nov. 1998.
35. "Biogeography and colonization history of northwestern North American mammals." Glacial Refugia Symposium, Euro-American Mammal Congress, Santiago de Compostela, Spain, July, 1998.
36. "Phylogeography of the mammal fauna of Southeast Alaska." Plenary Symposium address, Society for Molecular Biology and Evolution. Vancouver, BC, June, 1998.
37. "Molecular perspectives on biodiversity". Museo Nacional de Historia Natural, La Paz, Bolivia, September, 1997

38. "Evolutionary history and phylogenetics of subterranean rodents." Seventh International Theriological Congress in Acapulco, Mexico, September, 1997.
39. "A Long-term Perspective on Biodiversity", National Park Service Region VI Meeting, Anchorage, February, 1995
40. "Conservation of Southeast Alaska's Mammal Fauna: Is there cause for concern?" Geist Lecture, UA Museum, April, 1995
41. "Molecular systematics of a South American Moose analogue", Life Sciences Seminar Series, UAF, 1 April 1994
42. "Cytochrome *b* sequence variation as a marker for phylogenetic analysis of South American tuco-tucos" Biochemistry and Molecular Biology Seminar Series, University of Alaska Fairbanks, March, 1993
43. "Evolucion y sistematica de tucu-tucos (genero *Ctenomys*) de Bolivia." Facultad de Ciencias, Universidad de la Republica, Montevideo, Uruguay 26 November 1992.
44. "Panarctic Biota Project-Mammals" Russian Academy of Sciences, St. Petersburg Russia, Oct., 1992.
45. "Chromosomal and biochemical differentiation and the systematics of the Bolivian tuco-tucos (Rodentia: Ctenomyidae)." SAREM/American Society of Mammalogists meeting in Buenos Aires, Argentina, 1990.
46. "Explosive chromosomal evolution and the systematics of the Bolivian tuco-tucos." Life Sciences Seminar, UAF, April, 1990.

Invited Presentations to Public Audiences (examples)

"Natural History Collections as Key Science Infrastructure", National Ministry of Education, Montevideo, Uruguay, Dec., 2013.

"Island Life: A mammalogist's perspective on what's cool about living in isolation at the western edge of North America." Sitka Sound Science Center, Scientist in Residence Public Lecture, Sitka, Alaska. October 2013.

"Building Durable Scientific Infrastructure". Prince William Sound Science Center, Cordova, Alaska September 2011.

"Coming to Grips with the Insular Nature of Southeast Alaska" Dahlem Conference on Management of the Tongass National Forest, Juneau Alaska, February 2009.

"Natural History Collections: Critical Research Infrastructure in the United States." Coalition for National Science Funding (CNSF) Capitol Hill. Longworth Building Washington, DC June 2007.

"Rigorous archival resources for spatial and temporal monitoring of emerging diseases in the FSU." Defense Initiative Threat Reduction Agency, annual symposium, October 2004, Albuquerque.

“Conservation Genetics”. Cochabamba, Bolivia, Centro Universitario de Ecología, Medio Ambiente y Desarrollo, November 1997.

"Mammalogy in Alaska", Fulbright Commission, US Embassy, Montevideo Uruguay, December 1993.

Presentations (and Published Abstracts) since 1996

1. Runck, A. M. Matocq, J. A. Cook. 2015. Repeatability of patterns of hybridization after post-glacial contact of *Myodes rutilus* and *M. gapperi*. International Biogeography Society, meeting, Bayreuth, Germany. January.
2. Gu, S. H., S. Arai, H.J. Kang, J.A. Cook, R. Yanagihara. 2014. Co-circulation of distinct hantavirus lineages in syntopic populations of northern short-tailed shrews (*Blarina brevicauda*) in North America. Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases. Bangkok, Thailand. December.
3. Galbreath, K., E. Hoberg., & J. A. Cook. 2014. Looking back to look forward: what Beringia's past may tell us about its future. Arctic Biodiversity Congress, Trondheim, Norway, December.
4. Hope, A., E. Waltari, J. Malaney, D. Payer, J.A. Cook, and S. Talbot. 2014. Trends in Arctic biodiversity: A multi-disciplinary and inter-agency approach to investigate and predict community changes through time. Arctic Biodiversity Congress, Trondheim, Norway, December.
5. Heath, T. A., E. A. Lacey, S. M. Ickert-Bond, S. V. Edwards K. C. Bell, & J. A. Cook. 2014. AIM-UP! Museum-Based Approaches to Increasing Core Competencies in Undergraduate Education. Society for Vertebrate Paleontology, Berlin, Germany, November.
6. Lessa, E.P., Cook, J.A., D'Elia, G., Opazo, J.C.. 2014. Estudios de la diversidad de roedores sudamericanos: la transición hacia la era genómica. SAREM annual meeting, Esquel, Argentina, November.
7. Rearick, Jolene, Sandra Talbot, Joseph A. Cook. 2014 Using Genomics to Understand Complex Physiological Adaptations: Amphibian Freeze Tolerance. The Wildlife Society Meeting, Pittsburgh, PA. Oct.
8. Campbell, M. L. G. H. Jarrell, S. V. Brant, J. A. Cook, E. P. Hoberg, E. S. Loker. 2014. A Legacy for the Future: The Robert L. and Virginia R. Rausch Helminthological Collection. American Society of Parasitologists Annual Meeting, New Orleans, July.
9. Giermakowski, JT, MJ Ryan, & JA Cook. 2014. Collections as a source of data for education, conservation and monitoring change in a time of extinction: an amphibian example. SPNHC, England. July.
10. Kang, H.J., Se Hun Gu, Shannon Bennett, Satoru Arai, Liudmila N. Yashina, Jin-Won Song, J. A. Cook. R. Yanagihara. 2014 Discovery of a divergent hantavirus lineage in soricine shrews in Siberia International Union of Microbiological Societies/Congresses Montreal, Canada. July.
11. Bell, K., J. Demboski, Joseph Cook. 2014. Who's your chipmunk? Co-divergence, host-switching, and diversification in a widespread pinworm. Annual

- Evolution Society Meeting, Durham, NC, July.
12. McLean, B. S. & J. A. Cook. 2014. A History of High Latitude Adaptation in Holarctic Ground Squirrels (*Urocitellus*). Annual Evolution Society Meeting, Durham, NC, July.
 13. Arbogast, B. S., K. I. Schumacher, A. Bidlack, J. A. Cook, and G. J. Kenagy, 2014. Multilocus analyses reveal new North American flying squirrel species (*Glaucomys*). Annual Evolution Society Meeting, Durham, NC, July.
 14. Hope, A., E. Waltari, J. Malaney, D. Payer, J.A. Cook, and S. L. Talbot. 2014. Small mammal comparative phylogeography in the Arctic. American Society of Mammalogists annual meeting, Oklahoma City, OK, June.
 15. Jones, A., J.A. Cook. 2014. Mammals of the Gila. American Society of Mammalogists annual meeting, Oklahoma City, OK, June.
 16. Gardner, S., J. Salazar-Bravo, J. A. Cook. 2014. Phylogenetic diversification of *Ctenomys* in South America with focus on Bolivian species. American Society of Mammalogists annual meeting, Oklahoma City, OK, June.
 17. Jackson, D., B. McLean, and J. A. Cook. 2013. Phylogeny of Holarctic ground squirrels. American Society of Mammalogists, annual meeting, Philadelphia, June.
 18. Kohli, B., V. B. Fedorov, E. Waltari, and J. A. Cook. 2013. Phylogeography of a Holarctic rodent (*Clethrionomys rutilus*). American Society of Mammalogists, annual meeting, Philadelphia, June.
 19. McLean, B., and J. A. Cook. 2013. Geometric morphometric methods for taxonomic identification of fossil ground squirrels (Rodentia: Marmotini). American Society of Mammalogists, annual meeting, Philadelphia, June.
 20. Arbogast, B., K. Schumacher, A. Bidlack, J.A. Cook, and G. J. Kenagy. 2013. Analysis of nuclear and mitochondrial DNA reveals cryptic speciation in North American flying squirrels. American Society of Mammalogists, annual meeting, Philadelphia, June.
 21. Bell, K., J. A. Cook, and E. Lacey. 2013. Incorporating natural history collections into undergraduate education. American Society of Mammalogists, annual meeting, Philadelphia, June.
 22. Gu, S. H., B. K. Lim, B. Kadjo, S. Arai, J-W Song, V. Nicolas, C. Denys, J. A. Cook, S. R. Dominguez, K. V. Holmes, R. Yanagihara. 2013. Phylogenetically Divergent Hantaviruses Harbored by Insectivorous Bats in Côte d'Ivoire and Vietnam. IX International Conference on HFRS, HPS and Hantaviruses, June 5-7, Beijing, China.
 23. Bell, K., E. Hoberg, J. Demboski, J. A. Cook. 2013. Deep Divergence Belies Shifting Alliances in a Widespread Pinworm. Evolution, Snowbird UT June.
 24. Salazar-Miralles, F., S. L. Talbot, E. R. Deardorff, and J. A. Cook. 2013. Alaskan hantavirus: Insights into viral evolution. Research Day, Biology Department, University of New Mexico 7 March.
 25. Jackson, D., B. McLean, and J. A. Cook. 2013. Phylogeny of the Holarctic ground squirrel genus *Urocitellus*. Research Day, Biology Department, University of New Mexico 7 March.

26. Malaney, J.L. and J.A. Cook (2013) Laying a solid foundation for effective conservation action: historical biogeography informs conservation of the controversial jumping mice of western North America – (Invited Seminar) Western Section of the Wildlife Society, Davis CA
27. Gu, S. H., B. K. Lim, B. Kadjo, S. Arai, J-W Song, V. Nicolas, C. Denys, J. A. Cook, S. R. Dominguez, K. V. Holmes, R. Yanagihara. 2013. Phylogenetically Divergent Hantaviruses Harbored by Insectivorous Bats in Côte d'Ivoire and Vietnam. IX International Conference on HFRS, HPS and Hantaviruses, June 5-7, Beijing, China.
28. Bell, K., E. Hoberg, J. R. Demboski, and J.A. Cook. 2013. Worms Out West: Revealing Faunal Assembly for Pinworms (Nematoda: Oxyurida) and Chipmunks (Mammalia: Rodentia) in the American West. International Biogeography Society, January 10, Miami, Florida.
29. Malaney, J., A. Hope, Y. Sawyer, S. MacDonald & J. A. Cook. 2013. Exploring signals of historical demography in North American boreal mammals through statistical comparative phylogeography. International Biogeography Society, January 10, Miami, Florida.
30. Speer, K., Brooks Kohli, N. Batsaikhan, D. Damdinbaza, and J. A. Cook. 2012. Mountain voles (Rodentia: *Alticola*) in Mongolia. Annual Meeting of the American Society of Mammalogists, Reno, NV. June
31. Malaney, J.L. and J.A. Cook. 2012. Historical biogeography informs conservation. Annual Meeting of the American Society of Mammalogists, Reno, NV. June
32. Espinoza, C., K. Bell, N. Batsaikhan, D. Damdinbaza, and J. A. Cook. 2012. Species limits and phylogeography of Mongolian pika. Annual Meeting of the American Society of Mammalogists, Reno, NV. June
33. Cook, J.A. 2012. VertNet. Annual Meeting of the American Society of Mammalogists, Reno, NV. June.
34. Bell, K. C. D. J. Matek, J. L. Malaney, J. R. Demboski, J. A. Cook. 2012. Untangling lousey chipmunk relationships. Annual Meeting of the American Society of Mammalogists, Reno, NV. June.
35. Speer, K., Brooks Kohli and Joseph Cook. 2012. Clarifying the Diversity of Mountain Voles (Genus *Alticola*) in Mongolia. 21st Annual Research Day UNM, Albuquerque, NM.
36. McCain, R. D., Jason L Malaney, Jon L Dunnum, Adrienne L Raniszewski, and Joseph A Cook. 2012. Archival observatory for the endangered Mexican gray wolf (*Canis lupus baileyi*). UNM Wolf Fest, Albuquerque, NM. April.
37. Malaney JL and JA Cook (2012) Incomplete sampling leads to erroneous conservation assessment (again): a significant range expansion for the federally “endangered” Preble’s jumping mouse – (Invited Seminar) Smithsonian Tropical Research Institute, Panama City, Panama March
38. Dawson, N. G., C. Koch, S. O. MacDonald and J. A. Cook. 2012. Seeing the Forest for its Islands: Research highlights endemism on the Alexander Archipelago. Alaska Coastal Rainforest Center Symposium, Juneau, Alaska, April.
39. Dawson, N. G., Y. Sawyer, S. O. MacDonald and J. A. Cook. 2012. Island Surveys to Learn About Endemics. Alaska Coastal Rainforest Center Symposium,

- Juneau, Alaska, April.
40. McClean, M. L., C. M. Himes, and J. A. Cook. MtDNA pseudogenes in the nuclear genome of *Thylamys venustus* (Didelphidae). ASERT Undergraduate Research Symposium, August 2011, Albuquerque.
 41. Kang, H. J., S. N. Bennett, J. A. Cook, and R. Yanagihara. Ancestral sooricomorphs as early reservoir hosts of primordial hantaviruses. European Meeting on Viral Zoonoses. St. Raphaël, France. August 2011.
 42. Dunnum, J.L., and J.A. Cook. Gerrit Smith Miller- Contributions to European mammalogy and the value of natural history collections. European Mammal Society, Paris France July 2011.
 43. Bell, K., J.R. Demboski, E. Hoberg, and J.A. Cook. Chipmunk and Louse evolution. American Society of Parasitologists Annual Meeting, Anchorage, AK, June 2011.
 44. Hope A. G., K. A. Speer, J. R. Demboski, S. L. Talbot, J. A. Cook. A climate for speciation. American Society of Mammalogists, Portland. June 2011.
 45. MacDonald, S.O., Y. E. Sawyer, N.G. Dawson, J. L. Dunnum, B. Truett, and J A. Cook. Island Surveys to Learn about Endemic Species. The Wildlife Society, Regional Meeting, Juneau Alaska February 2011.
 46. Sawyer, Y.E., and J.A. Cook. Comparative phylogeography and management of the Tongass fauna. The Wildlife Society, Regional Meeting, Juneau Alaska February 2011.
 47. Kang, Hae Ji, W. Stanley, J. Esselstyn, S. N. Bennett, J. A. Cook, R. Yanagihara. Expanded Framework of Hantavirus Evolution from Newly Identified Myosoricine Shrew Hosts in Tanzania. American Society of Tropical Medicine and Hygiene, Atlanta. November 2010.
 48. Galbreath, K., J. A. Cook, A. Eddingsaas, E. G. DeChaine. Colonization and climate in Beringia: Multilocus tests of paleodistribution models reveal deep and shallow histories for arctic ground squirrels. American Society of Mammalogists annual meeting, Laramie, Wyoming June 2010.
 49. Hope, A., N. Takebayashi, S. L. Talbot, and J. A. Cook. Comparative phylogeography of small mammals across Beringia. American Society of Mammalogists annual meeting, Laramie, Wyoming June 2010.
 50. Malaney, J. and J. Cook. Statistical phylogeography of the western jumping mouse (*Zapus princeps*): Testing alternative hypotheses. American Society of Mammalogists annual meeting, Laramie, Wyoming June 2010.
 51. Kang, H-J, A. G. Hope, J. A. Cook, and R. Yanagihara. Molecular Phylogeny of Newfound Hantaviruses in the Laxmann's Shrew (*Sorex caecutiens*) and Flat-skulled Shrew (*Sorex roboratus*) in Russia. American Society of Virology, Bozeman, May 2010.
 52. Kang, H-J, S. N. Bennett, A. G. Hope, L. Dizney, L. A. Ruedas, J. A. Cook, and R. Yanagihara. Multiple sympatric and syntopic *Sorex* species in North America harbor Jemez Springs Virus. International Hantavirus Congress, Athens May 2010
 53. Torres-Perez, F., J. A. Cook, R. E. Palma, M. Ferres, B.Hjelle. Evolutionary epidemiology of Andes virus: Bayesian analyses reveal increase in the number of infections in rodents and humans congruent with increase in HCPS cases. American Society of Tropical Medicine and Hygiene, Washington, DC.

- November 2009.
54. Hope, A. and J. A. Cook. A variable demographic history of the holarctic tundra shrew (*Sorex tundrensis*). Tenth International Mammal Congress, Mendoza, Argentina. August 2009.
 55. Malaney, J. and J. A. Cook. Distribution modeling and statistical phylogeography of the western jumping mouse (*Zapus princeps*): Admixture vs. vicariance. Tenth International Mammal Congress, Mendoza, Argentina. August 2009.
 56. Hae Ji Kang, Shannon N. Bennett, Laarni Sumibcay, Satoru Arai, Gabor Mocz, Andrew G. Hope, Jin-Won Song, Joseph A. Cook, Richard Yanagihara. Evolutionary Insights from a Newfound Hantavirus harbored by the European Common Mole (*Talpa europea*). American Society for Virology, Vancouver, July 2009.
 57. Speer, K. A., Andrew G. Hope, and Joseph A. Cook. A relict population of shrews in New Mexico provides insight into environmental change. Ecological Society of America, August 2009.
 58. Fleming, M. A., & J. A. Cook. Genetic differentiation and the evolution of late breeding in coastal mink (*Neovison vison*). American Society of Mammalogists, Fairbanks AK, June 2009.
 59. Bell, K. J. Light, N. Reid, J. Sullivan, J. Cook, and J. R. Demboski. Investigations of pinworms and lice in North American chipmunks. American Society of Mammalogists, Fairbanks AK, June 2009.
 60. Hope, A. and JA Cook. Spatiotemporal Demography of the Holarctic Tundra Shrew (*Sorex tundrensis*). American Society of Mammalogists, Fairbanks AK, June 2009.
 61. Barker, B. S., J. A. Rodríguez, R. B. Waide, J. A. Cook, and V. Aran. Tests of Biogeographic Hypotheses for Diversification in the Puerto Rican Frogs, *Eleutherodactylus portoricensis* and *E. antillensis*: Integrating Distribution Models and Phylogeography. Society for the Study of Amphibians and Reptiles, Eugene, Oregon, July 2009.
 62. Cook, J. A., S. O. MacDonald. N. Dawson, Y. Sawyer. 2009. Insularity along the North Pacific: Endemics and Colonizers of the Alexander Archipelago. International Biogeography Society Conference, Merida, Mexico January 2009.
 63. Hae Ji Kang, Shannon N. Bennett, Laarni Sumibcay, Satoru Arai, Andrew G. Hope, Joseph A. Cook, Jin-Won Song, Richard Yanagihara. Emerging concepts about the evolutionary history of hantaviruses. European Congress of clinical Microbiology and Infectious Diseases. Helsinki, Finland. December 2008.
 64. Torres-Pérez, F, R. E. Palma, B. Hjelle, Joseph A. Cook. Contrasting Spatial Genetics and Co-differentiation Patterns in Hantavirus and Associated Rodent Host. MEEGID IX, UC Irvine, October 2008.
 65. Yanagihara, R, J-W Song, S. Arai, S. N. Bennett, L. Sumibcay, H. J Kang, A. G. Hope, V. R. Nerurkar, J. A. Cook. Evolutionary origins of newly identified soricid-borne hantaviruses. International Congress for Tropical Medicine and Malaria. Korea. September, 2008.
 66. Hope, A. and J. A. Cook. Trans-Beringian movement of hosts and pathogens throughout Beringia: case studies using shrews (genus: *Sorex*). Beringia Days National Park Service Meeting, Fairbanks, Nov. 2008

67. Malaney, J. and J. A. Cook. Cryptic lineages and phylogeography of *Zapus princeps* in western North America. Society for the Study of Evolution, Minneapolis, June 2008.
68. Dawson, N. and J. A. Cook. Pleistocene refugia and post glacial expansion along the North Pacific Coast; genetic signatures in Mustelidae. Society for the Study of Evolution, Minneapolis, June 2008.
69. Brittany Barker, M. Farrah, R. Waide, J. A. Cook. Dispersal, habitat differences, and comparative phylogeography of two frogs. UNM Biology Research Day presentation. April 2008.
70. Song, E., S. Brant, J. A. Cook. Island biogeography of a Holarctic nematode in Southeast Alaska. UNM Biology Research Day presentation. April 2008.
71. Richard Yanagihara, Satoru Arai, Jin-Won Song, Shannon N. Bennett, Laarni Sumibcay, Hae Ji Kang, Andrew G. Hope, Vivek R. Nerurkar, Joseph A. Cook. Opportunistic Observations about the Evolutionary Origins of Hantaviruses. US-Japan Viral Diseases Panels, Nagasaki, May, 2008
72. Matsumoto, K, Cook, JA, Goethert, HK, Telford, SR. 2007. *Bartonella* sp. infection of red-backed voles trapped from an interior Alaskan site where ticks are absent. American Society of Tropical Medicine and Hygiene, Philadelphia, November.
73. Nofchissey, RA, J. Cook, D. Goade, A. Tsvetkova, and G. Ebel. 2007. Serological evidence of Powassan virus transmission in small mammals collected in Russia, Alaska and the Southwest US. American Society of Tropical Medicine and Hygiene, Philadelphia, November.
74. Yanagihara, R., JW Song, S. Arai, S. N. Bennett, J. A. Cook. 2007. Evolutionary insights from newly identified sorcid-borne hantaviruses. 5th International Conference on Emerging Zoonoses. Limassol, Cyprus, November.
75. Arai, S., Sumibcay, L., Yates, T., Ohdachi, S., Truong, N.U., Parmenter, C., Cook, J.A., Nerurkar, V.R., Song, J.-W., and Yanagihara, R. 2007. Search for novel insectivore-borne hantaviruses. VII International HFRS Meeting, Buenos Aires, Argentina. June.
76. Arai, S., L. Sumibcay, Jin-Won Song, Terry L. Yates, Vivek R. Nerurkar, Shannon N. Bennett, Cheryl Parmenter, Joseph A. Cook, and Richard Yanagihara. A Phylogenetically Distinct Hantavirus in the Short-Tailed Shrew (*Blarina brevicauda*) in the United States. VII International HFRS Meeting, Buenos Aires, Argentina. June.
77. Torres-Perez, F., R. A. Medina, R. Eduardo Palma, Brian Hjelle, Joseph A. Cook. 2007. Population and ecogeographic genetic structure of *O. longicaudatus* and Andes virus in three major Chilean ecoregions. American Society of Mammalogists 87th Annual Meeting, June. Albuquerque.
78. Torres-Perez, F., B. S. Barker, R. E. Palma & J. A. Cook. 2007. Population structure of a rodent reservoir for Hantavirus, *O. longicaudatus*, in Chile and its human implications. Evolutionary Change in Human-altered Environments: An International Summit. Institute of the Environment University of California, Los Angeles. February.
79. Dawson, N., A. Hope, S. MacDonald, J. A. Cook. 2007. Endemic mammals highlight conservation hotspots in the Alexander Archipelago. Poster

- presentation at the International Summit on Evolutionary Change in Human-Altered Environments. Center for the Environment, University of California Los Angeles.
80. Koehler, A. V. A., E. P. Hoberg, N. E. Dokuchaev, N. A. Tranbenkova, J. S. Whitman, D. W. Nagorsen and J. A. Cook. 2007. Phylogeography of *Soboliphyme baturini*, a transBeringian nematode of mustelids. American Society of Mammalogists Annual Meeting, Albuquerque June.
 81. Esteva, M., F. Cervantes, S. Brant, J. A. Cook. 2007. Phylogenetic relationships of Saussure's shrew from Mexico. American Society of Mammalogists Annual Meeting, Albuquerque June.
 82. Tsvetkova A., J. Cook, E. Hoberg, H. Henttonen, S. MacDonald, J. Laakkonen, D. Goade. 2007. The Beringian Coevolution Project: Model Archives provide Baselines for Research and Management. American Society of Mammalogists Annual Meeting, Albuquerque June.
 83. MacDonald, S. O. and J. A. Cook. 2007. Alaska Land Mammals of Conservation Concern. American Society of Mammalogists Annual Meeting, Albuquerque June.
 84. Dawson, N., M. Small. K. Stone, J. A. Cook. 2007. Islands, introductions, and endemism, *Martes* in the Alexander Archipelago. American Society of Mammalogists Annual Meeting, Albuquerque June.
 85. Goade, D., R. Nofchissey, C. A. Hope, A. Tsvetkova, and J. A. Cook. 2006. Serologic evidence for hantaviruses in small mammals of the Beringia. Tropical Medicine Meeting, Atlanta, November.
 86. Cook, J., E. Hoberg, H. Henttonen, A. Koehler, S. MacDonald, J. Laakkonen, J. Malaney, D. Goade 2006. "Model Archives: From Baselines to Research, Surveillance, Communication and Management". International Workshop on Arctic Parasitology, Calgary, November.
 87. Koehler, A., E. Hoberg, J. Cook. 2006. Phylogeography of a Holarctic nematode, *Soboliphyme baturini* in *Martes* spp (Mustelidae). International Workshop in Parasitology, Calgary, November.
 88. Cook, J. A. 2006. High Latitude Views of Biotic Interchange among Continents. UNM Biology Dept Ecology Brown Bag. September.
 89. Runck, A., M. Matocq, and J. Cook. 2006. When is a barrier only a filter? Assessment of a contact zone in red-backed voles. American Society of Mammalogists annual meeting, Amherst, MA. June.
 90. Goade, D., C. Ralph, R. Nofchissey, and J. Cook. 2005. Seroprevalence of Hantavirus in *Clethrionomys rutilus* in Alaska using a Multiantigen SIA and rtPCR. Tropical Medicine Meeting, Washington, DC. Dec.
 91. Waltari, E. and J. Cook. 2005. Historical demography of the cinereus shrew complex: Effects of Pleistocene glaciations on population dynamics. Evolution Society Meetings, Fairbanks, AK. June.
 92. Hope, A., N. Dawson and J. Cook. 2005. Historical biogeography of the Alexander Archipelago. Evolution Society Meetings, Fairbanks, AK. June.
 93. Fleming, M., and J. Cook. 2005. Transberingian colonizations, glacial refugia, and the evolutionary history of North American *Mustela*. Evolution Society Meetings, Fairbanks, AK. June.

94. Lessa, E. P., and J. Cook. 2005. Expansion and differentiation of Keen's mouse, *Peromyscus keeni*. American Society of Mammalogists annual Meeting, Springfield, MO. June.
95. Dawson, N, A. Hope, S. O. MacDonald, and J. Cook. 2005. Lineage diversity, nestedness, and biogeographic regions of concern across the Alexander Archipelago, Alaska. American Society of Mammalogists annual Meeting, Springfield, MO. June.
96. Weckworth, Talbot, and Cook. 2005. Tracking wolves through the Pacific Northwest with the signature of Holocene genetic footprints. American Society of Mammalogists annual Meeting, Springfield, MO. June.
97. Dalerum, F., J. Loxterman, B. Shults, K. Kunkel, J. A. Cook. 2005. Sex specific dispersal patterns in wolverines; insights from high-resolution microsatellite markers. International Wolverine Symposium, Stockholm, Sweden. June.
98. Kathryn E. Moore, Jerry W. Dragoo, Terry L. Yates, and Joseph A. Cook. 2005. Phylogeographic variation of *Peromyscus maniculatus*. UNM Biology Dept Research Day. April.
99. Runck, A., and J. Cook. 2005. Population connectivity: Analysis of genetic structure of the southern red-backed vole (*Clethrionomys gapperi*). International Biogeography Meeting, January, Shepherdstown, WV
100. Waltari, E. and J. Cook. 2005. Trans-Beringian colonizations at the northern crossroads. International Biogeography Meeting, January, Shepherdstown, WV
101. Runck, A., and J. Cook. 2004. Post-glacial expansion of the southern red-backed vole (*Clethrionomys gapperi*). American Society of Mammalogists annual meeting, Arcata, CA
102. Dawson, N., M. Fleming, and J. Cook. 2004. Phylogeography of ermine (*Mustela erminea*) and mink (*Mustela vison*) of the Alexander Archipelago of Alaska. American Society of Mammalogists annual meeting, Arcata, CA.
103. Waltari, E., and J. Cook. 2004. Phylogeography of the Beringian members of the *Sorex cinereus* clade. American Society of Mammalogists annual meeting, Arcata, CA.
104. Weckworth, B., S. Talbot, G. Sage, and J. Cook. 2004. Phylogeography and population genetics of *Canis lupus* in the Pacific Northwest. American Society of Mammalogists annual meeting, Arcata, CA.
105. Lessa, E. P., J. A. Cook, J. L. Patton. 2003. Genetic footprints of expansion in North America, but not Amazonia, during the Late Quaternary. International Biogeography Society Meeting, Mesquite, NV.
106. Waltari, E.C. & J.A. Cook. 2003. Hares on ice: phylogeography of arctic hares. Evolution, Chico, CA
107. Waltari, E, C. & J. A. Cook. 2003. Phylogeography of arctic hares. International Biogeography Society (inaugural meeting), Mesquite, NV.
108. Runck, A. M. and J. A. Cook. 2003. Pleistocene Refugia and Post-glacial Expansion of the Southern Red-backed Vole (*Clethrionomys gapperi*) in North America. International Biogeography Society, Mesquite, NV.
109. Weckworth, B, S. Talbot, K. Sage, and J Cook. 2003. A molecular perspective on North Pacific Wolves. Society of Conservation Biology Meetings, Ely, MN

- June.
110. Conroy, C.J., J.A. Cook, and A. Runck. 2002. Nuclear and mitochondrial perspectives on the arvicoline radiation. Annual Meeting of the Evolution Society, Illinois.
 111. Kutz SJ, Hoberg EP, Cook J, Simmons N, Nagy J, Veitch A, Elkin B, Polley L. Parasitism in wildlife populations: Baselines, biodiversity and monitoring in the Arctic. Wildlife Parasitology Session, International Congress of Parasitology X. Vancouver, Canada. 4-9 August 2002.
 112. Hoberg EP, Kutz SJ, Cook J. Arctic biodiversity: From discovery to faunal baselines- revealing the history of a dynamic ecosystem. SubPlenary Lecture, in Parasitology and Biodiversity in an Age of Discovery. ICOPA X. Vancouver, Canada. 4-9 August 2002.
 113. Runck, A., E. Lessa, J. Cook. 2002. Accelerated replacement ratios in diving pinnipeds and cetaceans in the cytochrome b gene. American Genetics Association Annual Meeting, Tempe AZ
 114. Jarrell, G., K. Winker, R. Gangloff, J. Cook. 2002. The Arctic Archival Observatory at the University of Alaska Museum: an environmental repository. International Society for Biological and Environmental Repositories, Boston, MA.
 115. Galbreath, K., and J. Cook. 2001. Phylogeography of the tundra vole (*Microtus oeconomus*) in Beringia. June - American Society of Mammalogists annual meeting, Missoula, MT.
 116. Waltari, E., JR Demboski, & JA Cook. 2001. Phylogeography of Arctic Hares (*Lepus*). June - American Society of Mammalogists annual meeting, Missoula, MT.
 117. Slamovits, CH; Cook, JA; Lessa, EP and Rossi, MS. 2001. Complex evolution of a Satellite DNA, and its relationship with chromosomal diversification in tuco-tuco rodents (Genus *Ctenomys*). XXX Congreso Argentino de Genética, Mar del Plata, September.
 118. Galbreath, K., E. Waltari, E. Hoberg, J. Cook. 2000. The Beringian Coevolution Project: current status and future prospects. October - International Workshop on Arctic Parasitology, Saskatchewan.
 119. Stone, K. D. and J. A. Cook. 2000. Phylogeography of American martens (*Martes americana*). Presented at: American Society of Mammalogists meeting in Durham, New Hampshire.
 120. Slamovits, CH; Cook, JA; Lessa, EP and Rossi, MS. 2000. Recurrent amplifications and deletions of satellite DNA accompanied chromosomal diversification in South American tuco-tucos (genus *Ctenomys*, Rodentia: Octodontidae): a phylogenetic approach. Oral presentation. XV Jornadas Argentinas de Mastozoología. La Plata, November.
 121. Stone, K. D., R. W. Flynn and J. A. Cook. 2000. Genetic relationships among marten populations of Southeast Alaska. Presented at: The 10th Northern Furbearer Conference in Fairbanks, Alaska.
 122. Stone, K. D. and J. A. Cook. 2000. Interpopulation divergence of American pine marten (*Martes americana*). Presented at: Alaska Cooperative Fish & Wildlife Research Unit meeting in Fairbanks, Alaska.
 123. Slamovits, C.H., Cook, J.A., Lessa, E.P. and Rossi, MS. 1999. Análisis

- cuantitativo de la amplificación del ADN satélite en los roedores del género *Ctenomys*. (Invited). XXIX Congreso Argentino y Chileno de Genética. Buenos Aires, Sept.
124. Goethert HK, Lance E, Cook JA, Telford SR III. Prevalence and genetic diversity of *Babesia microti* in Beringian microtine populations. Am. J. Trop. Med. Hyg. 1999; 61:355-356
 125. Cook, J. A., J. Demboski, K. Stone, A. Runck, M. Fleming, and C. Conroy. 1999. Historical biogeography of North American mammals: evidence for multiple lineages along the North Pacific Coast. American Society of Mammalogists 79th annual meeting, Seattle, WA, June.
 126. Runck, A., J. A. Cook, and C. Conroy. 1999. Molecular phylogeny of red-backed voles (*Clethrionomys*). American Society of Mammalogists 79th annual meeting, Seattle, WA, June.
 127. Stone, K. D., and J. A. Cook. 1999. Nuclear and mitochondrial perspectives on a contact zone of marten (*Martes americana*). American Society of Mammalogists 79th annual meeting, Seattle, WA, June.
 128. Bidlack, A., and J. A. Cook. 1999. Population genetics of an island endemic, the Prince of Wales flying squirrel (*Glaucomys sabrinus griseifrons*). American Society of Mammalogists 79th annual meeting, Seattle, WA, June.
 129. Fleming, M. A., E. Suring, and J. A. Cook. 1999. Phylogeography of ermine, *Mustela erminea*, in Southeast Alaska. American Society of Mammalogists 79th annual meeting, Seattle, WA, June.
 130. Fleming, M. A., E. Ostrander, and J. A. Cook. 1999. Molecular phylogeography and behavior: evolution of breeding seasons in island mink. American Behavior Society annual meeting, Bucknell University, Lewisburg, PA. June.
 131. Stone, K., and J. Cook. 1999. Molecular phylogeography of northwestern marten. Society for the Study of Evolution annual meeting, Madison, WI. June.
 132. Lessa, E. P. and J. A. Cook. 1998. Rates and patterns of speciation in tuco-tucos (genus *Ctenomys*) and related hystricognaths. Poster, Euro-American Mammal Congress, Santiago de Compostela, Spain. July.
 133. Stone, K. D., and J. A. Cook. 1998. Molecular evolution and colonization history of the Holarctic genus *Martes*. Poster, Euro-American Mammal Congress, Santiago de Compostela, Spain. July.
 134. M. A. Fleming, E. Ostrander, and J. Cook. 1998. Reciprocal comparison of microsatellite variability in mink and ermine. Poster, Society for the Study of Evolution, Society of Systematic Biologists, and American Society of Naturalists Meeting, Vancouver, BC, June.
 135. Runck, A., and J. Cook. 1998. Phylogenetic Analysis of the Endemic Red-Backed Voles of Southeast Alaska. Poster, Society for the Study of Evolution, Society of Systematic Biologists, and American Society of Naturalists Meeting, Vancouver, BC, June.
 136. Runck, A., and J. Cook. 1998. Systematics of the Endemic Red-Backed Voles of Southeast Alaska. Poster, Alaska Cooperative Fish and Wildlife Research Unit Review, University of Alaska Fairbanks, March.
 137. Conroy, C.J., J.A. Cook, O. Vapalahti, A. Lundkvist, S. Hirvonen, V. Fedorov, K. Fredga, H. Henttonen, A. Vaheri, and A. Plyusnin. 1998. Coevolution among

- Hantaviruses and their Murid Hosts. Oral presentation, Society for the Study of Evolution, Society of Systematic Biologists, and American Society of Naturalists Meeting, Vancouver, Canada, June.
138. Conroy, C. J. and J. A. Cook. 1998. Systematics and taxonomy of long-tailed voles of southeast Alaska. Oral Presentation, Alaska Cooperative Fish and Wildlife Research Unit Review, University of Alaska Fairbanks, March.
 139. Demboski, J. R., and J. A. Cook. 1998. Obscure lineages: phylogeography and systematics of the Dusky Shrew (*Sorex monticolus*) in North America. Invited oral presentation in Comparative phylogeography of mammals and the historical assembly of continental mammalian biotas symposium: Euro-American Mammal Congress, Santiago, Spain, July.
 140. Demboski, J. R., and J. A. Cook. 1998. Biogeography and taxonomy of arctic hares in northwestern Alaska and eastern Russia with D. A. Klein and J. A. Cook: oral presentation, Alaska Cooperative Fish & Wildlife Research Unit review, March.
 141. D'Elia, G., J. A. Cook, and E. P. Lessa. 1997. Phylogenetics and comparative biology of octodontids. Invited, 7th International Theriological Congress in Acapulco, Mexico, Sept.
 142. Demboski, J. R., D. R. Klein, J. A. Cook. 1997. Molecular relationships of the arctic hares: poster, 7th International Theriological Congress, Acapulco, Mexico, Sept.
 143. Demboski, J. R., and J. A. Cook. 1997. Obscure lineages: phylogeography and systematics of the *Sorex monticolus-vagrans* species complex. oral presentation, American Society of Mammalogists meeting, Stillwater, OK, June.
 144. Demboski, J. R., and J. A. Cook. 1997. Speciation and phylogeography within the dusky shrew (*Sorex monticolus*) species complex. oral presentation, Society for the Study of Evolution, Society of Systematic Biologists, and American Society of Naturalists, annual meeting, Boulder, CO, June.
 145. Conroy, C. J. and J. A. Cook. 1997. Rapid diversification of arvicoline rodents. Poster presented at Seventh International Theriological Congress in Acapulco, Mexico, and at Beringian Paleoenvironments Workshop, Florissant, Colorado, September.
 146. Stone, K. D., and J. A. Cook. 1997. Mitochondrial and nuclear perspectives on fragmented populations of marten (*Martes americana*) in Southeast Alaska. Poster, International Theriological Congress, Acapulco, Mexico. September.
 147. Stone, K. D., J. A. Cook and R. W. Flynn. 1997. Genes: What brand do martens of Southeast Alaska own? Oral presentation, American Society of Mammalogists meeting, Stillwater, Oklahoma. June
 148. Stone, K. D., J. A. Cook and R. W. Flynn. 1997. Oral presentation, Alaska Chapter of the Wildlife Society annual meeting, Juneau, September.
 149. Cook, J. A., L. A. Fitzgerald, and A. L. Aquino. 1997. Phylogeny of *Tupinambis* (Sauria:Teiidae) with comments on the status of *T. duseni*. Oral presentation, III Congreso Internacional sobre Manejo de Fauna Silvestre de la Amazonia. Santa Cruz, Bolivia, Dec.
 150. J. R. Demboski and J. A. Cook. 1996. The *Sorex cinereus* complex: a perspective on the history of Beringia. American Society of Mammalogists

- meeting, Grand Forks, ND. June.
151. Stone, K. D., J. A. Cook, C. J. Conroy, J. R. Demboski, R. Brenner, B. Tanner, and B. Johnson. 1996. Molecular Phylogeography of the Alexander Archipelago of Southeast Alaska: A multi-taxa approach, poster at the American Society of Mammalogists meeting, Grand Forks, ND, and ASN/SSB/SSE meeting, St. Louis, MO. June.
 152. Conroy, C. J., and J. A. Cook. 1996. A molecular assessment of a rapid mammalian radiation: the Arvicolinae (Rodentia: Muridae). Poster, Phylogeny of Life and Accomplishments of Phylogenetic Biology Symposium, University of Arizona, Tucson.
 153. Demboski, J. R. and J. A. Cook. 1996. "The *Sorex cinereus* Complex: A Perspective on the History of Beringia." American Society of Mammalogists, Grand Forks, ND, June.
 154. Demboski, J. R. and J. A. Cook. 1996. Phylogeography of the Dusky Shrew (*Sorex monticolus*) in Southeast Alaska. Arctic Science Conference, Girdwood, AK, September.
 155. Fitzgerald L. A., J. A. Cook, A. L. Aquino and G. Terol . 1996. A Phylogeny of Paraguayan *Tupinambis* (Sauria: Teiidae). Presented at: the Annual Meeting of the Society for the Study of Ichthyology and Herpetology, New Orleans, June.
 156. Stone, K. D., J. A. Cook and R. W. Flynn. 1996. A Preliminary Report of the Zoogeography of Marten (*Martes americana*) in Southeast Alaska. Arctic Science Conference, September.
 157. Stone, K. D., J. A. Cook C. J. Conroy J. R. Demboski B. Johnson R. Brenner and S. O. MacDonald 1996. Molecular Phylogeography of the Alexander Archipelago of Southeast Alaska: A Multi-taxa Approach. American Society of Mammalogists Annual Meeting, Grand Forks, ND, June.

I had 40 published abstracts and presentations prior to 1996.

Technical and Popular Reports (examples)

- Bixler, KS, DD Roby, DB Irons, MA Fleming, JA Cook. 2010. Pigeon Guillemot Restoration Research in Prince William Sound, Alaska. *Exxon Valdez* Oil Spill Restoration Project Final Report, Restoration Project 070853, Final Report, 6pp.
- Cook, J.A. and S.O. MacDonald. 2006. Mammal inventory of Alaska's National Parks and Preserves: Southwest Alaska Network—Kenai Fjords National Park, Lake Clark National Park and Preserve, and Katmai National Park and Preserve. National Park Service Alaska Region, Inventory and Monitoring Program Final Report 2005. 55 p.
- Cook, J.A. and S.O. MacDonald. 2002. Mammal inventory of Alaska's National Parks and Preserves: Denali National Park and Preserve. National Park Service Alaska Region, Inventory and Monitoring Program Annual Report 2002. 24 p.
- Cook, J.A. and S.O. MacDonald. 2003. Mammal inventory of Alaska's National Parks and Preserves: Wrangell-St. Elias National Park and Preserve. National Park Service Alaska Region, Inventory and Monitoring Program Annual Report 2001-2002. 32 p.

- Cook, J.A. and S.O. MacDonald. 2004a. Mammal inventory of Alaska's National Parks and Preserves, Western Arctic National Parklands: Kobuk Valley National Park, Cape Krusenstern National Monument. National Park Service Alaska Region, Inventory and Monitoring Program Annual Report 2003. 22 p.
- Cook, J.A. and S.O. MacDonald. 2004b. Mammal inventory of Alaska's National Parks and Preserves: Lake Clark National Park and Preserve. National Park Service Alaska Region, Inventory and Monitoring Program Annual Report 2003. 28 p.
- Cook, J.A. and S.O. MacDonald. 2004c. Mammal inventory of Alaska's National Parks and Preserves: Kenai Fjords National Park. National Park Service Alaska Region, Inventory and Monitoring Program Annual Report 2003. 26 p.
- Cook, J.A., and G.H. Jarrell. 2002. The Alaska Frozen Tissue Collection: A Resource for Marine Biotechnology, Phase II. Final Report. OCS Study MMS 2002-027, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 23 p.
- Cook, J. A., G. H. Jarrell, A. Runck, and J. Demboski. 1999. "The Alaska Frozen Tissue Collection and Associated Electronic Database: A resource for Marine Biotechnology", Final Report, Coastal Marine Institute, OCS Study MMS 99-0008.
- MacDonald, S. O., and J. A. Cook. 1999. The Mammal Fauna of Southeast Alaska. University of Alaska Museum, Special Publication. 156 pp.
- Cook, J. A., C. T. Seaton, and B. J. Hayward. 1996. U.S. Army Land Condition-Trend Analysis, Fort Richardson, Alaska. University of Alaska Museum, 85 pp.
- Cook, J. A., G. Jarrell, C. Conroy. 1996. Mammal Collection Curatorial Manual. unpubl. manual, University of Alaska Museum. Three editions, 35 pp.
- Cook, J. A. and E. Rexstad. 1992. Sampling protocol for small mammal monitoring in Denali National Park and Preserve. National Park Service, 35 pp + 2 appendices.

Quarterly and annual reports associated with state and federal contracts and permits.

Annual Reports, 1990-2001, Mammal and Alaska Frozen Tissue Collections, University of Alaska Museum.

Annual Reports 2003-present, Division of Mammals, Museum of Southwestern Biology

Annual Reports 2008-present, Division of Genomic Resources, Museum of Southwestern Biology

Annual Report, Museum of Southwestern Biology, UNM 2012-2015

Various popular articles in Northern Reflections, Otto Speaks, and other museum publications (UAM 1990-2001).

Museum Exhibits (examples)

Museums and the DNA revolution: molecular systematics of northern seals. (w/ Suzette Durall), Permanent exhibit, University of Alaska Museum, 1994.

Advisory Group, Electron Microscopy Exhibit, "Upclose Alaska" (by K. Irons), 1995-1996

Workshop and Panel Oversight/Participation; Organizer of Scientific Meeting:

- Computerization of Natural History Collections Workshop, May 26-31, 1993, Berkeley, California.
- Leader, Mammal Working Group, Panarctic Biota Project workshop. Convened mammal binational conference, 1-11 February 1992, St. Petersburg, Russia
- Molecular Systematics Workshop at Woods Hole Biological Station, August 1993.
- Inventory and Monitoring Workshops, National Park Service, Anchorage, Alaska. January 2001; 2003; 2004; 2006 (including keynote addresses on the “Status of our knowledge of Alaska mammals”).
- Panel Member, Non-game Mammals, Planning Committee for the Tongass Timber Reform Management Team, USDA Forest Service, Juneau, Nov. 1995
- Reviewer, TLMP Second Revision, Tongass Timber Reform Plan, USDA Forest Service, Juneau, March 1997
- Coordinator (and Presenter), Endemic Panel for the Tongass Conservation Strategy Review, Tongass Forest Plan, USDA Forest Service, Ketchikan, March 2006
- Participating Scientist, Tongass Science Cruise May 19-25, 2008. Audubon Science Review of Tongass Land Management Plan Revision.
- Invited Presentation on Conservation Biology in Island Archipelagos, Dahlem Conference in Juneau Alaska. February 2009.
- Invited Presentation and Discussant, Arctic Biodiversity Assessment, Denmark
- NSF-RCN Workshop Organizer (AIM-UP!), October 14-16 2010, Santa Fe, NM
- Participant, Genetic Monitoring of the Poles Workshop, British Antarctic Survey, Cambridge, UK, 3-6 April 2011
- Participant, SNOWBANK Workshop, Museum of Natural History London, 6-8 April 2011
- Organizer, CollectionsWeb Education Symposium, Radford, VA Oct 2011.
- Organizer, AIM-UP! Education and Museums Workshops, Fairbanks, AK Feb. 2012
- Participant and Writing Committee, Implementation workshop for the Network Informatics Biodiversity Alliance, Reston, VA Sept 17-19, 2012.
- Participant, EcoExGen Workshop, Biotic Resurvey Efforts—NSF-EPSCoR, Ladder Ranch, New Mexico, March 25-27, 2013.
- Co-Organizer, CollectionsWeb Workshop, The Stakeholders. 2-4 May 2013, Smithsonian Institution, Washington DC.
- Co-Organizer, AIM-UP! Genomes and Museums Workshop, 10-13 April 2013. Harvard University, Cambridge, MA.
- Co-Organizer, AIM-UP! Climate Change and Museums Workshop, 26 Feb.-2 March 2014, Asilomar, CA.
- Organizer, Next Steps for the Research Coordinating Network, 2-5 May 2014,

- Hale Key, FL.
- Co-Organizer, Museum Resources in Undergraduate Education, 9 June 2014, Symposium Organizer, American Society of Mammalogists, Oklahoma City, OK.
 - Organizer, Museums and Indigenous Educators, Flagstaff, AZ 15-16 Aug. 2014.
 - Co-Organizer, AIM-UP! Leadership, What's Next for Museums and Education, Moss Landing, CA, 4-5 October 2014.
 - Organizer, AIM-UP! All-Hands Workshop on the Human Dimensions of Natural History, Sevilleta Field Station, 22-25 January 2015 (31 participants)

SYNERGISTIC ACTIVITIES

- 1) Curation of the University of Alaska Museum Mammal Collection 1990-2001 (65,000 specimens added, >400% increase)
- 2) Initiated and Curated the Alaska Frozen Tissue Collection 1991-2001 (>45,000 specimens---third largest for wild mammals worldwide).
- 3) Associate Editor, *Journal of Mammalogy* 1999-2001
- 4) Instructed in Uruguay, Paraguay, Costa Rica, and Bolivia on molecular approaches to conservation (since 1993).
- 5) Directed multidisciplinary mentoring program for undergraduate students (48 over 5 years)
- 6) Sponsored participation of 9 Native students in my lab (1 doctoral, 1 master's, 2 senior honors project), Hispanic, and Latin American students in my DNA lab.
- 7) Curation of the MSB Mammal and Genomic Resources Collections 2003-present (initiated web-based database and added >135,000 specimens to date, 105% increase since 2003)

SERVICE

PROFESSIONAL SERVICE

Associate Editor, *Journal of Mammalogy*, 1999-2001

Panel Reviewer, National Science Foundation

Fall 2003, Spring 2006, Fall 2007, Spring 2009, Spring 2010, Fall 2011, Fall 2012

Presenter, cNSF, US Congressional Demonstration, Washington, DC, sponsored by American Institute of Biological Sciences/National Collections Alliance, June 2007

Co-Chair, Local Committee for the 87th Annual Meeting of the American Society of Mammalogists, University of New Mexico, June 2007

Developed and Established Memorandum of Understanding to collaborate between Museum of Southwestern Biology and New Mexico Museum of Natural History, May 2012.

Developed and Established Memorandum of Understanding to collaborate between Museum of Southwestern Biology and NM State Lands Office, April 2012.

Developed and Established Amendment One to Memorandum of Understanding with New Mexico Museum of Natural History to curate their frozen tissue collection (Addition of >5000 mammals including world's largest pika collection and pika genome voucher. This species is central to climate change and conservation efforts in western North America).

Review Editor, *Frontiers in Phylogenetics, Phylogenomics, and Systematics*, 2013-2014

Chair, Steering Committee, AIM-UP! Research Coordinating Network, 2010-2014

Board of Directors, American Society of Mammalogists, 2007-2017

Steering Committee, ARCTOS on-line museum database, 2009-present

Board of Directors, National Systematics Collection Alliance, 2011-present

International Advisory Board, *Revista Brasileira de Zoologia*, 2008-present

Convener and Lead, Genetic Resources, Arctic Biodiversity Assessment, Conservation of Arctic Fauna and Flora (CAFF), 2008-2013

Steering Committee, VertNet, 2011-2014

Steering Committee, CollectionsWeb Research Coordinating Network, 2011-2013

Steering Committee, National Integrated Biocollections Alliance (NIBA), 2014-2019

Manuscript Reviewer

Evolution; Molecular Ecology; Molecular Biology and Evolution; Journal of Mammalogy; Biological Journal of the Linnean Society; The Auk; Interciencia; Proceedings of the Royal Society-B; Journal of Heredity, Southwestern Naturalist; Canadian Field-Naturalist; Mammalian Species; Molecular Phylogenetics and Evolution; Conservation Biology; Proceedings of the National Academy of Sciences, Northwestern Naturalist, Journal of Biogeography,

Proposal Reviewer

National Science Foundation: Systematic Biology Program, Long Term Projects in Environmental Biology; Population and Evolutionary Biology; Undergraduate Research Mentoring; Polar Programs; Biotic Surveys and Inventories, Evolutionary Processes; EPSCoR-Alaska, Geoscience Program; CONICYT (Uruguayan National Science Foundation); CONACYT (Chilean National Science Foundation); National Park Service, Climate Change Program; Alaska Natural Heritage Program; National Biological Survey, Status and Trend Report; IUCN, Threatened and Endangered Species Status Report; US Fish and Wildlife Service, NW Office for Threatened and Endangered Species, various UAF and ISU internal reviews (e.g. Global Change

Student Proposal); US Army Corps of Engineers (Middle Rio Grande Endangered Species Act Collaborative Program); Howard Hughes Medical Institute, Murdock Charitable Trust.

Media Interviews (recent examples)

Alaska Public Radio (KFSK), December 10, 2014

DNA Research shows differences in Southeast Alaska

Ketchikan Daily News, December 11, 2014

UAF Researcher: Southeast wolves not unique

Raven Radio, October 8, 2013

<http://www.kcaw.org/2013/10/08/joe-cook-what-islands-teach-us-about-biodiversity/>

Alaska Public Radio (KCAW), October 27, 2013,

Sitka Nature with Matt Goff.

Committees, Symposia Organized, Program Reviews, and Other

- External Reviewer, Doctoral Dissertation Committee, Aaron Shafer, University of Alberta, Edmonton, April, 2012
- External Reviewer, Wildlife Department 10 Year Review, Texas A&M University, Feb 2011
- Organizer, Genetics Section of International Arctic Biodiversity Assessment, CAFF 2009, 2010
- Session Chair of symposium, Moving Forward. International Workshop on Arctic Parasitology, Calgary, November, 2006.
- External Reviewer, Biology and Wildlife Department, University of Alaska Fairbanks, Graduate and Undergraduate Program Review; March 2004.
- External Reviewer for Tenure and/or Promotion Files for Faculty at Boston University, University of Idaho, University of Wyoming, University of Las Vegas-Nevada, Field Museum of Natural History-Chicago, University of Minnesota, UCLA, Idaho State University.
- External Reviewer, Graduate Program in Biology, Bowling Green University, OH, Oct., 2003
- Member, International Relations Committee, American Society of Mammalogists, 1994-2000.
- Member, Systematic Collections Committee, American Society of Mammalogists, 1991-2001; 2003-2009
- Member, Resolutions Committee, American Society of Mammalogists, 1998-2008.
- Chair (2008-2010), Latin American Awards Committee, American Society of Mammalogists, Member (2006-2013)
- Chair, Conservation Awards Committee, American Society of Mammalogists, 2012-2015

- Organizer and Session Chair of symposium on glaciation and colonization history of northwestern North American mammals at the Euro-American Mammal Congress, Santiago de Compostela, Spain, July 1998.
- Co-organizer and Session Chair, “Biogeography of Southeastern Alaska” 47th AAAS Meeting Girdwood, AK, Sept 1996
- Chair, Biological Diversity and Landscapes Session. 46th AAAS-Arctic Division Meeting Fairbanks, Sept 1995
- Representative (Voting Delegate), Association of Systematics Collections annual meeting, June, 1995, University of California, Berkeley
- Representative (Voting Delegate), Association of Systematics Collections annual meeting, May, 1994, Missouri Botanical Gardens, St. Louis
- Leader, Mammal Group, Panarctic Biota Project, 1992-1994
- Chair, Systematics session, 75th Annual Meeting of the American Society of Mammalogists, Washington, DC, June, 1993
- Co-chair, Systematic Mammalogy session of the SAREM/American Society of Mammalogists joint meeting, Buenos Aires, Argentina 18 June 1990

UNIVERSITY SERVICE

Campus-wide Committees

UNM

Faculty Sponsor, Student Chapter of the New Mexico Wilderness Alliance (founded and advised new student conservation group) 2005-2014

A&S Chairs and Directors Council 2011-present

UNM Museum Council—Vice Chair 2011-2012

Chair, 2013-2015

ISU

Member, United Way Campaign Campus-wide Steering Committee, 2002

Member, College of Arts & Sciences, Professional Achievement Comm., 2002

Member, Search Committee for Development Officer, College of Arts and Sciences, 2002

Member, Search Committee for IMNH Museum Director, 2002

Member, Idaho Statewide Steering Committee, NIH-Biomedical Research Infrastructure Network, 2001-2003

Member, ISU Steering Committee, NIH-Biomedical Research Infrastructure Network, 2001-

Member, Search Committee for Senior Development Officer, ISU Foundation, 2001

Member, various ad hoc committees (e.g., Exploratory Committee to Study Feasibility of Medical School at ISU), 2000-2002

Mentor and Co-Organizer, Native Scholars Program, Shoshone-Bannock Tribes, Idaho State University 2003

UAF

Member, Alaska Regional High Performance Computing Center, Faculty Oversight Committee 1995-1997

Member, Angus Gavin Migratory Bird Fellowship Selection Committee, 1995-1997

Member, Provost's Faculty Salary Equity Committee, 1996-1997
UAF Faculty Senate, 1994-1996
Biology Representative, Graduate Resources Fellowship Committee, 1992-1995
Faculty Sponsor, Student Chapter of the N. Alaska Environmental Center, 1993-1994
UAF Core Curriculum Retreat. Two day series of roundtable discussions on Science and the UAF Core Curriculum, Denali Park, September 1991.

College of Natural Sciences (UAF) Committees

University of Alaska, College of Natural Sciences, Dean Search Committee 1990-91

Departmental

UNM

Member, Comparative/Evolutionary Immunology Faculty Search Committee 2004-2005.
Member, Departmental Graduation Ceremony Committee 2004
Member, Board of Curators, Museum of Southwestern Biology 2003-2010
Chair, Museum Executive Committee, 2011-2013
Chair, Ornithology Faculty Search Committee, 2005-2006
Chair, Graduate Student Selection Committee, 2006-2007
Co-Chair, Ad hoc Vehicle Policy Committee, 2006-2007
Chair, Departmental Tenure and Promotion Committee, 2007-2008
Member, Departmental Tenure and Promotion Committee, 2012-2013
Director, Undergraduate Opportunities Program, 2007-2013.

ISU

Member, Departmental AAAS Review Committee 2001

Biology Department/Museum Committees (UAF)

Curator of Herbarium, Faculty Search Committee 1999-2000
Research Advisory Committee, Institute of Arctic Biology, 1998-2000
Population Geneticist Faculty Search Committee (Chair) 1998-1999
Life Sciences Space Committee 1998-1999
University of Alaska Museum, Space Allocation Committee 1998-1999
Capital Campaign, Users Committee-University of Alaska Museum 1998-2000
Core Facility for Nucleic Acids Research, Steering Committee 1995-1999
Biology Department, Comprehensive/Qualifying Exam Committee, 1995-1997
Curator of Birds/Ornithologist Search 1994-95
Plant Molecular Systematist/ Curator of Herbarium Search Committee, 1993-94
Archeology Curator Search Committee, 1994-95
University of Alaska Museum, Executive Council, 1990-1991; 94-96
University of Alaska Museum Director Search, 1992-1993
Co-Organizer, University of Alaska, Life Sciences, Seminar Series Comm, 1992-1993
University of Alaska Museum, Computer Committee, 1990-1991

Examples of Other Public Service

Numerous presentations to K-12 classes in Fairbanks, Pocatello, Sitka, and Albuquerque (e.g., on Bats, Fifth Grade Classes at Zia Elementary School, Oct

2004) (about 10 annually)

Presentations and negotiations with Bristol Bay Native Association and Lake and Peninsula Schools, Dillingham and Pedro Bay, Alaska, Natives in Sciences and Dances with Salmon programs. June 2003.

Presentations and negotiations with Klawock High School and Hollis Grade School, Alaska, Natives in Sciences and Dances with Salmon programs. May 2004.

Presentations, Diné Tribal College, Shiprock, NM and Tsalie, AZ, UNO@UNM Program, July 2007, March 2008; UNM Gallup Branch, March 2008, April 2009.

UnO Roadshow Presentation, Jemez Pueblo High School, May 2011

UnO Roadshow Presentations to Santa Fe Indian School 7th and 8th grades, October 2011

Presentations on natural history of Alaska mammals and island biogeography at

- a. WhaleFest, and to 4 science classes at
- b. Mt Edgecumbe High School,
- c. UA Southeast and
- d. Sitka High School

(hosted by Kitty LaBounty, Kent Bovee and Scott Harris). October 2013

Museum Tours (about 10 annually)

3 Visiting Peruvians as part of academic exchange, UNM-Universidad Central de Ecuador (Rector Sempertegui, Vice-Rector Rodriguez, and Ambassador to Argentina) April 2014

School of Engineering, NSF Sponsored Research Experiences for Teachers (Stefanie Weisburd)—9 teachers on June 2014