ROBERT KEITH WAYNE

**PERSONAL DATA** **ADDRESS**

Born: February 29, 1956 Terasaki Life Sciences Building

Boston, Massachusetts 610 Young Drive South

Male, married Dept. of Ecology & Evolutionary Biology

Phone: 310-206-0334 (W) 825-5014 (Lab) University of California

email: rwayne@ucla.edu Los Angeles, CA 90095

**ACADEMIC DEGREES**

Ph.D. 1984 The Johns Hopkins University. Thesis title: A Comparative Study of

Skeletal Growth and Morphology in Domestic and Wild Canids.

B.A. 1978 The Johns Hopkins University: Earth and Planetary Science.

**POSITIONS HELD**

Professor, University of California at Los Angeles 1998 -

Associate Professor, University of California at Los Angeles 1994 - 97

Assistant Professor, University of California at Los Angeles 1992 - 94

Head of Conservation Genetics, Zoological Society of London 1990 - 93

Research Associate, Los Angeles County Museum of Natural History 1988 -

Research Associate, University of California at Los Angeles 1988 - 92

Research Biologist, National Cancer Institute 1985 - 87

Post-doctoral Investigator, National Cancer Institute 1984 - 85

**APPOINTMENTS**

HHMI Professor 2018 -

Editorial Board, Environmental DNA 2018-

Director, UC Conservation Genomics Consortium 2016 -

Member of Council, American Genetic Association 2014 - 17

Wilhelmine Key Distinguished Lecture Award 2011

Bingzhi Forum Professor (Institute of Zoology, Beijing) 2011

Member of Council, American Genetic Association 2000 - 03

Editor, Molecular Ecology 2000 -

Associate Editor, Molecular Ecology 1998 - 00

Research Fellow, Zoological Society of London 1997 -

Editor, Animal Conservation 1997 - 03

Honorary Fellow, California Academy of Science 1996 -

Editorial Board, Ancient Biomolecules Journal 1994 - 98

Editorial Board, Molecular Ecology 1994 - 2000

Associate Editor, Journal of Heredity 1992 -

Research Associate, Los Angeles County Museum of Natural History 1991 -

Editor, Ancient DNA Newsletter 1991 - 94

IUCN, Member, Captive Breeding Specialist Group, Canid Specialist Group 1990 -

**RECENT AWARDS**

HHMI Research and Education Award (1.5M joint with Beth Shapiro) 2018 - 23

UC Presidents Catalyst Award (1.77M) (PI with 4 co-PIs 2016 - 19

National Science Foundation (GSS) ($229K, co-PI with 3 co-PIs, one PI) 2018 - 20

National Science Foundation (DEB) ($149K, PI with one co-PI)) 2016 - 19

National Science Foundation (IOS) ($754K PI and 3 co-PIs) 2014 - 18

National Science Foundation (EAGER) ($130K) 2010 - 15

National Science Foundation (w/John Novembre) ($757K) 2010 - 15

State of California, Forensic laboratory ($135K) 2012 - 14

National Science Foundation (w/Beth Shapiro (PI)) ($125K) 2012 - 14

National Science Foundation (w/John Novembre) ($885K) 2007 - 11

National Science Foundation (w/Flynn, VanValkenbugh) ($592K) 2006 - 10

National Science Foundation (w/Koch, Groves, Leonard) ($768K) 2004 - 08

**PAST POST-DOCS, RESEARCHERS, AND GRADUATE STUDENTS**

Pauline Charruau, Post-doc (Post doctoral researcher, Lausanne)

Wenping Zhang, Post-doc (Assist Prof. Chengdu, IOZ)

Yibo Hu, Post-doc (Assist Prof. Beijing, IOZ)

Bridgett vonHoldt, Post-doc and graduate student (Assist. Prof. Princeton University)

Adam Freedman, Post-doc (bioinformatic researcher, Harvard Univ.)

Olaf Thulmann, Post-doc (Assist. Prof. Poznań, Poland )

Klaus Koepfli, Post-doc and graduate student (Researcher, Smithsonian Inst.)

Carolyne Bardeleben, Post-doc (Senior Researcher, UCLA)

Eli Geffen, Post-doc (Professor, Tel Aviv University)

Carles Vila, Post-doc (Professor, Estación Biológica de Doñana, Seville)

Borja Mila, Post-doc (Group leader, Museo Nacional de Ciencias Naturales, Madrid)

Mike Bruford, Post-doc (Professor, Cardiff University)

Michael Roy, Post-doc (Associate Professor, Otago University)

Niles Lehman, Graduate student (Associate Professor and Chair, Portland State University)

Derek Girman, Graduate student (Associate Professor, Sonoma State)

Lisa Torres, Graduate student (Associate Professor, Cal State LA)

Gary Roemer, Graduate student (Associate Professor, New Mexico State University)

Michael Kohn, Graduate student (Associate Professor, Rice University)

Jennifer Leonard, Graduate student (Research Professor, Estación Biológica de Doñana, Seville)

Andres Aguilar, Graduate student (Associate Professor, Cal State LA)

Jesus Maldonado, Graduate student (Senior Research Scientist, Smithsonian Institution)

Isabel Amorim, Graduate student (Post-doc, University of Azores)

Gary Shin, Graduate student, (Lecturer, Cal State Long Beach)

Deb Pires, Graduate student, (Lecturer, UCLA Biology Core)

Katy Semple, Delaney Graduate student ,(Resource Biologist, National Park Service, Los Angeles)

Imelda Nava, Graduate student (Lecturer, UCLA Science Teacher Program)

Melissa Gray, Graduate student (Post-doc, University of Wisconsin)

Kerry Deere, Graduate student (Post-doc, Princeton)

Karen Kapheim, Graduate student (Assist Prof., Utah State)

Dan Stahler, Graduate student (Research Biologist, Yellowstone NP)

Rena Schweizer, Graduate student (Post-doc, Univ. of Montana)

Rachel Johnson, Graduate student (Post-doc, Duke)

Jacqueline Robinson, Graduate student (Post-doc, UCSF)

Sergio Nigenda, Graduate student (Post-Doc, [Guanajuato, México](https://twitter.com/search?q=place%3Aef05e80eeff9b3c1))

**CURRENT LAB MEMBERS**

Rachel Meyer, Executive Director, UC Conservation Genomic Consortium (eDNA, plant genomics)

Alice Mouton, Post-doc (gene expression methylation, dogs and bobcats)

Emily Curd, Post-doc (environmental DNA)

Ana Garcia, Post-doc (eDNA, Scientific Education)

Maura Palacios Mejia, Post-doc (eDNA, Scientific Education)

Devaughn Fraser (Population genomics of bobcats, Deer and bats)

Tiffany Armenta (Gene expression in marmots)

Annabel Beichman (Sea otter genomics)

Daniel Chavez (Canid phylogeny, genes under selection)

Gabriela Medeiros (Genomics and gene expression in marmots)

Audra Huffmeyer (Sperm genomics and gene expression)

Meixi Lin (eDNA using mammal capture arrays)

Tina Del Capra (Functional genomics with cell culture)

Chris Kyriazis (Conservation genomics, deleterious variation in inbred populations of mammals)

Teia Schweizer (Technician and researcher)

Currently, 4 undergraduate researchers

**REFERENCES**

Dr. Stephen O'Brien, Chief

Chief Scientific Officer

Theodosius Dobzhansky Center for Genome Bioinformatics

St. Petersburg  State University

41 Sredniy Prospekt

St. Petersburg, Russia 199004

Email: lgdchief@gmail.com

Dr. Elaine A. Ostrander

Head, Comparative Genetics Section

Chief, Cancer Genetics Branch

NHGRI/NIH

50 South Drive, MSC 8000, Building 50, Room 5351

Bethesda MD 20892-8000 (Tel: 301-594-5284), (FAX: 301-480-0472)

Email: eostrand@mail.nih.gov

Professor David Macdonald DSc FRSE

Zoology, University of Oxford

The Recanati-Kaplan Centre

Tubney House, Abingdon Road

Tubney, Abingdon OX13 5QL, UK (Tel: +44 (0)1865 393 100), (FAX: +44 (0)1865 393 101)

Email: david.macdonald@zoo.ox.ac.uk

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | Wayne, R.K. Cranial morphology of domestic and wild canids: the influence of development on morphological change. Evolution *40*(2):243-261 (1986). | **Research article** | |
|  |  |  | |
| 2. | Wayne, R.K., Modi, W.S. and O'Brien, S.J. Morphological variability and asymmetry in the cheetah (*Acinonyx jubatus*), a genetically uniform species. Evolution *40*(1):78-85 (1986). | **Research article** | |
|  |  |  | |
| 3. | Wayne, R.K. Limb morphology of domestic and wild canids: the influence of development on morphologic change. J. Morphology *187*:301-319 (1986). | **Research article** | |
|  |  |  | |
| 4. | Wayne, R.K., Forman, L., Neuman, A.K., Simonson, J.M., and O'Brien, S.J. Genetic monitors of zoo populations: morphological and electrophoretic assays. Zoo Biology *5*:215-232 (1986). | **Research article** | |
|  |  |  | |
| 5. | Wayne, R.K., and O'Brien, S.J. Empirical demonstration that structural gene and morphometric variation of mandible traits are uncoupled between mouse strains. J. Mammalogy *67* (3):441-449 (1986). | **Research article** | |
|  |  |  | |
| 6. | Wayne, R.K. Developmental constraints on limb growth in domestic and some wild canids. J. Zoology *210*:381-399 (1986). | **Research article** | |
|  |  |  | |
| 7. | Wayne, R.K. Origins of the domestic dog: the fossil record by S.J. Olsen. 1985. The University of Arizona Press: Tucson. American Scientist *74*:316-317 (1986). | **Book review** | |
|  |  |  | |
| 8. | Wayne, R.K. Conservation Biology: the Science of Scarcity and Diversity. Editor, M.E. Soule. 1986. Sinauer Press: Sunderland. J. Wildlife Diseases *24*:186-187 (1987). | **Book review** | |
|  |  |  | |
| 9. | Modi, W.S. , Wayne, R.K., and O'Brien, S.J. Analysis of fluctuating asymmetry in the cheetah. Evolution *41*:227-228 (1987). | **Research article** | |
|  |  |  | |
| 10. | Wayne, R.K., Nash, W.G., and O'Brien, S.J. Chromosomal evolution of the Canidae: I. Species with high diploid numbers. Cytogenetics and Cell Genetics *44*:123-133 (1987). | **Research article** | |
|  |  |  | |
| 11. | Wayne, R.K., Nash, W.G., and O'Brien, S.J. Chromosomal evolution of the Canidae: II. Divergence from the primitive *carnivore karyotype*. Cytogenetics and Cell Genetics *44*:134-141 (1987). | **Research article** | |
|  |  |  | |
| 12. | Wayne, R.K. and O'Brien, S.J. Allozyme divergence within the Canidae. Systematic Zoology *36*:339-355 (1987). | **Research article** | |
|  |  |  | |
| 13. | Modi, W.S., Fanning, T.S., Wayne, R.K., and O'Brien, S.J. Chromosomal localization of satellite DNA sequences among twenty-two species of felids and canids (Carnivora). Cytogenetics and Cell Genetics *48*:208-213 (1988). | **Research article** | |
|  |  |  | |
| 14. | Fanning, T.S., Modi, W.S., Wayne, R.K., and S.J. O'Brien. Evolution of heterochromatic-associated satellite DNA loci in felids and canids (*Carnivora*). Cytogenetics and Cell Genetics *48*:214-219 (1988). | **Research article** | |
|  |  |  | |
| 15. | Wayne, R.K., Benveniste, R.E., and O'Brien, S.J. Molecular and biochemical evolution of the Carnivora. In: Carnivore Behavior, Ecology and Evolution (J. L. Gittleman, ed.) Cornell University Press. Pp. 465-494 (1989). | **Refereed review** | |
|  |  |  | |
| 16. | Wayne, R.K., Kat, P.W., Fuller, T.K., Van Valkenburgh, B., and O'Brien, S.J. Genetic and morphologic divergence among sympatric canids (*Mammalia: Carnivora*). J. Heredity *80*:447-454 (1989). | **Research article** | |
|  |  |  | |
| 17. | Fuller, T.K., Biknevicius, A.R., Kat, P.W., Van Valkenburgh, B., and Wayne, R.K. The ecology of three sympatric jackal species in the Rift Valley of Kenya. African J. Ecology *27*:313-323 (1989). | **Research article** | |
|  |  |  | |
| 18. | Wayne, R.K., Van Valkenburgh, B., Fuller, T.K., and Kat, P.W. Allozyme and morphologic differences among highly divergent mtDNA haplotypes of black-backed jackals. In: Molecular Evolution (M. Clegg and S.J. O'Brien, eds.) UCLA Symposium on Cellular Biology, New Series, 122. Pp. 161-170 (1990). | **Research article** | |
|  |  |  | |
| 19. | Wayne, R.K., Meyer, A., Lehman, N., Van Valkenburgh, B., Kat, P.W., Fuller, T.K., Girman, D., and O'Brien, S.J. Large sequence divergence among mitochondrial DNA genotypes within populations of East African black-backed jackals. Proc. Natl. Acad. Sci. USA. *87*:1772-1776 (1990). | **Research article** | |
|  |  |  | |
| 20. | Gilbert, D.A., Lehman, N., O'Brien, S.J., and Wayne, R.K. Genetic fingerprinting reflects population differentiation in the Channel Island Fox. Nature *344*:764-767 (1990). | **Research article** | |
|  |  |  | |
| 21. | O'Brien, S.J., Benveniste, R.E., Nash, W.G., Martenson, J.S., Eichenberger, M.A., Wildt, D.E., Bush, M., Wayne, R.K., and Goldman, D. Molecular biology and evolutionary theory: the giant panda's closest relatives. In: New Perspectives on Evolution (L. Warren and H. Koprowski, eds.) The Wistar Symposium Series, Volume 4, Wiley-Liss, New York. Pp. 225-250. (1990). | **Refereed review** | |
|  |  |  | |
| 22. | Lehman, N., Eisenhawer, A., Hansen, K., Mech, D.L., Peterson, R.O., and Wayne, R.K. Introgression of coyote mitochondrial DNA into sympatric North American gray wolf populations. Evolution *45*:104-119 (1991). | **Research article** | |
|  |  |  | |
| 23. | Wayne, R.K., Van Valkenburgh, B., and O'Brien, S.J. Molecular distance and divergence time in carnivores and primates. Molecular Biology and Evolution *8*:297-319 (1991). | **Research article** | |
|  |  |  | |
| 24. | Wayne, R.K., Gilbert, D., Lehman, N., Hansen, K., Eisenhawer, A., Girman, D., Peterson, R.O., Mech, L.D., Gogan, P.J.P., Seal, U.S., and Krumenaker, R.J. Conservation genetics of the endangered Isle Royale gray wolf. Conservation Biology *5*:41-51 (1991). | **Research article** | |
|  |  |  | |
| 25. | Lehman, N. and Wayne, R.K. Analysis of coyote mitochondrial DNA genotype frequencies: estimation of the effective number of alleles. Genetics *128*:405-416 (1991). | **Research article** | |
|  |  |  | |
| 26. | Wayne, R.K. and Jenks, S.M. Mitochondrial DNA analysis implying extensive hybridization of the endangered red wolf *Canis rufus*. Nature *351*:565-568 (1991). | **Research article** | |
|  |  |  | |
| 27. | George, S.B. and Wayne, R.K. Island foxes: a model for conservation genetics. Terra *30*:18-23 (1991). | **Popular article** | |
|  |  |  | |
| 28. | Wayne, R.K., George, S., Gilbert, D., Collins, P., Kovach, S., Girman, D., and Lehman, N. A morphologic and genetic study of the island fox, *Urocyon littoralis*. Evolution *45*:1849-1868 (1991). | **Research article** | |
|  |  |  | |
| 29. | Lehman, N., Clarkson, P., Mech, L.D., Meier, T.J., and Wayne, R.K. A study of the genetic relationships within and among wolf packs using DNA fingerprinting and mitochondrial DNA. Behavioral Ecology and Sociobiology *30*:83-94 (1992). | **Research article** | |
|  |  |  | |
| 30. | Geffen, E., Mercure, A., Girman, D.J., Macdonald, D.W., and Wayne, R.K. Phylogenetic relationships of the fox-like canids: mitochondrial DNA restriction fragment, site and cytochrome b sequence analyses. J. Zoology *228*: 27-39 (1992). | **Research article** | |
|  |  |  | |
| 31. | Wayne, R.K. , Lehman, N. and Jenks, S.M. The use of morphologic and molecular techniques to estimate genetic variability and relationships of small endangered populations. In: Wildlife 2001: Populations. (D.R. McCullough and R.H. Barrett, eds.) Elsevier Science Publ., London. Pp. 217-236 (1992). | **Refereed review** | |
|  |  |  | |
| 32. | Jenks, S.M. and Wayne, R.K. Problems and policy for species threatened by hybridization: the red wolf as a case study. In: Wildlife 2001: Populations. (D.R. McCullough and R.H. Barrett, eds.) Elsevier Science Publ., London. Pp. 237-251 (1992). | **Refereed review** | |
|  |  |  | |
| 33. | Wayne, R.K. and Lehman, N.. Mitochondrial DNA analysis of the eastern coyote: origins and hybridization. In: The Ecology and Management of the Eastern Coyote. (A. H. Boer, ed.) University of New Brunswick Press, Frederickton, New Brunswick, Canada. Pp. 9-22 (1992). | **Refereed review** | |
|  |  |  | |
| 34. | Garcelon, D.K., Wayne, R.K., and Gonzales, B.J. A serologic survey of the Island Fox (*Urocyon littoralis*) on the Channel Islands, California. J. Wildlf. Disease *28*:223-229 (1992). | **Research article** | |
|  |  |  | |
| 35. | Wayne, R.K., Lehman, N., Allard, M.W., and Honeycutt, R.L. Mitochondrial DNA variability of the gray wolf: genetic consequences of population decline and habitat fragmentation. Conservation Biology *6*:559-569 (1992). | **Research article** | |
|  |  |  | |
| 36. | Wayne, R.K. On the use of molecular genetic characters to investigate species status. Conservation Biology *6*:590-592 (1992). | **Commentary** | |
|  |  |  | |
| 37. | Wayne, R.K. and Ruff, C. Domestication and Bone Growth. In: Bone Growth: Mechanical Factors, Skeletal Components and Consequences. (B.K. Hall, ed.) Tedford Press, Caldwell, New Jersey. Pp. 105-131 (1993). | **Review** | |
|  |  |  | |
| 38. | Wayne, R.K., George, S.B., Gilbert, D., and Collins, P. The Channel Island fox (*Urocyon littoralis*) as a model of genetic change in small populations. In: The Unity of Evolutionary Biology. Proc. Fourth International Congress of Systematic and Evolutionary Biology. (E.C. Dudley, ed.) Dioscorides Press, Portland, OR. Pp. 639-649 (1993). | **Book chapter** | |
|  |  |  | |
| 39. | Wayne, R.K. Phylogenetic relationships and classification of the dog. In: Miller's Anatomy of the Dog. Third Edition. (H.E. Evans, ed.) W.B. Saunders Co. Philadelphia. Pp. 15-21 (1993). | **Review** | |
|  |  |  | |
| 40. | Wayne, R.K. Molecular evolution of the dog family. Trends in Genetics *9*: 218-224 (1993). | **Refereed review** | |
|  |  |  | |
| 41. | Girman, D.J., Kat, P.W., Mills, G., Ginsberg, J., Fanshaw, J., Fitzgibbon, C., Borner, M., Wilson, V., Laurenson, K., and Wayne, R.K. A genetic and morphological analysis of the African wild dog (*Lycaon pictus*). J. Heredity *84*:450-459 (1993). | **Research article** | |
|  |  |  | |
| 42. | Wayne, R.K., Barratt, E.M., Bruford, M.W., Girman, D., Rebholz, W.E.R., Stanley, H.F., Sunnucks, P., and Taylor, A.C. Molecular genetics of endangered species. In: The Role of Zoos in Global Conservation. (G.Mace, A. Feistner, and P. Olney, eds.) Chapman & Hall, New York. Pp. 92-112 (1994). | **Refereed review** | |
|  |  |  | |
| 43. | Lehman, N., Wayne, R.K., and Stewart, B.S. Comparative levels of genetic variability in harbor seals and northern elephant seals as determined by genetic fingerprinting. Symposia of the Zoological Society of London. Oxford University Press, Volume *66*: 49-60 (1993). | **Research article** | |
|  |  |  | |
| 44. | Bruford, M. W. and Wayne, R.K. The use of molecular techniques to address conservation questions. In: Molecular Biological Approaches to Environmental Science (S.J. Garte, ed.) CRC publications, New York. Pp. 11-28 (1993). | **Refereed review** | |
|  |  |  | |
| 45. | Bruford, M.W. and Wayne, R.K. Microsatellites and their application to population genetic studies. Current Biology *3*:939-943 (1993). | **Refereed review** | |
|  |  |  | |
| 46. | Wayne, R.K. Molecular markers, natural history and evolution. J.C. Avise, Chapman and Hall. Trends in Ecology and Evolution *10*:297 (1994). | **Book review** | |
|  |  |  | |
| 47. | Mercure, A., Ralls, K., Koepfli, K.P., and Wayne, R.K. Genetic subdivisions among small canids: mitochondrial DNA differentiation of swift, kit, and arctic foxes. Evolution *47*:1313-1328 (1993). | **Research article** | |
|  |  |  | |
| 48. | Smith, T.B., Bruford, M.W., and Wayne, R.K.. The preservation of process: the missing element of conservation programs. Biodiversity Letters *1*:32-37 (1994). | **Commentary** | |
|  |  |  | |
| 49. | Taylor, A.C., Sherwin, W.B., and Wayne, R.K. Genetic variation of simple sequence loci in bottlenecked species: the decline of the northern hairy-nosed wombat (*Lasiorhinus krefftii*). Molecular Ecology *3*:277-290 (1994). | **Research article** | |
|  |  |  | |
| 50. | Gottelli, D., Sillero-Zubiri, C., Applebaum, G. D., Roy, M. S., Girman, D. J., Garcia-Moreno, J., Ostrander, E. A., and Wayne, R. K. Molecular genetics of the most endangered canid: the Ethiopian wolf, *Canis simensis*. Molecular Ecology *3*:301-312 (1994). | **Research article** | |
|  |  |  | |
| 51. | Van Valkenburgh, B. and Wayne, R.K. Shape divergence associated with size convergence in sympatric East African jackals. Ecology *75*:1567-1581 (1994). | **Research article** | |
|  |  |  | |
| 52. | Roy, M.S., Girman, D.J., and Wayne, R.K. The use of museum specimens to reconstruct the genetic variability and relationships of extinct populations. Experimentia *50*:551-557 (1994). | **Refereed review** | |
|  |  |  | |
| 53. | Roy, M.S., Geffen, E., Smith, D., Ostrander, E., and Wayne, R. K. Patterns of differentiation and hybridization in North American wolf-like canids revealed by analysis of microsatellite loci. Molecular Biology and Evolution *11*:553-570 (1994). | **Research article** | |
|  |  |  | |
| 54. | Alexander, K.A., Kat, P.W., Wayne, R.K., and Fuller, T.F. Serologic survey of selected canine pathogens among free-ranging jackals in Kenya. J. Wildlife Diseases *30*:486-491 (1994). | **Research article** | |
|  |  |  | |
| 55. | Maldonado, J.S., Davilla, F.O., Geffen, E., Stewart, B.S., and Wayne, R.K. Intraspecific Genetic differentiation in California sea lions (*Zalophus californianus*) from Southern California and the Gulf of California. Marine Mammal Research *11*:46-58 (1995). | **Research article** | |
|  |  |  | |
| 56. | Wayne, R.K. and Gittleman, J.L. The problematic red wolf. Scientific American *273*:36-39 (1995). | Review | |
|  |  |  | |
| 57. | Barratt, E.M., Bruford, M.W., Burland, T.M., Jones, G., Racey, P.A., and Wayne, R.K. Characterization of the mitochondrial variability within the microchiropteran genus *Pipistrellus*: approaches and applications. Symp. Zool. Soc. Lond. *67*:377-386 (1995). | **Research article** | |
|  |  |  | |
| 58. | Wayne, R.K. Conservation genetics of the gray wolf. Carbyn, L.N., S.H. Fritts and D.R. Seip. (Eds.) Canadian Circumpolar Institute Occasional Publication No. 35. Ecology and conservation of wolves in a changing world; Second North American Symposium on Wolves, Edmonton, Alberta, Canada. Canadian Circumpolar Institute: Edmonton, Alberta, Canada. Pp. 399-407 (1995). | **Refereed review** | |
|  |  |  | |
| 59. | Roy, M.S., Geffen, E., Smith, D., and Wayne, R.K. Molecular genetics of pre-1940 red wolves. Conservation Biology, *10*:1413-1424 (1996). | **Research article** | |
|  |  |  | |
| 60. | Wayne, R.K., and Koepfli, K.P. Demographic and historical effects on genetic variation of carnivores. Gittleman, J.L. (Ed.). Carnivore behavior, ecology, and evolution, Vol. 2. Cornell University Press: Ithaca, New York, USA; London, England. Pp. 453-484 (1996). | **Refereed review** | |
|  |  |  | |
| 61. | Gompper, M.E. and Wayne, R.K. Genetic relatedness among individuals within carnivore societies. Gittleman, J.L. (Ed.) Carnivore behavior, ecology, and evolution, Vol. 2. Cornell University Press: Ithaca, New York, USA; London, England, UK. Pp. 429-452 (1996). | **Refereed review** | |
|  |  |  | |
| 62. | Wayne, R.K. Conservation genetics in the Canidae. Avise, J.C. and J.L. Hamrick (Ed.) Conservation genetics: Case histories from nature. Chapman and Hall, Inc.: New York, New York, USA; London, England. Pp. 75-118 (1996). | **Refereed review** | |
|  |  |  | |
| 63. | Geffen, E., Gompper, M.E., Gittleman, J.L., Luh, H.K., Macdonald, D.W., and Wayne, R.K. Size, life history traits, and social organization in the Canidae: a reevaluation. American Naturalist *147*:140-160 (1996). | **Research article** | |
|  |  |  | |
| 64. | Anderson, C.G., Gittleman, J.L., Koepfli, K.-P., and Wayne, R.K. Sea otter systematics and conservation: which are critical subspecies? (Conservation and Management of the Southern Sea Otter) Endangered Species Update *13*:6-11 (1996). | **Refereed review** | |
|  |  |  | |
| 65. | Garcia-Moreno, Geffen, J.E., Roy, M.S., and Wayne, R.K. Relationships and genetic purity of the endangered Mexican wolf: an analysis of 10 microsatellite loci. Conservation Biology *10*:376-389 (1996). | **Research article** | |
|  |  |  | |
| 66. | Yahnke, C.J., Smith, D., Johnson, W., Geffen, E., Fuller, T., Van Valkenburgh, B., Hertel, F., Roy, M.S., and Wayne, R.K. Darwin’s fox rediscovered: a distinct endangered species from a vanishing habitat. Conservation Biology *10*:366-375 (1996). | **Research article** | |
|  |  |  | |
| 67. | Stanley, H.F., Casey, S., Carnahan, J.M., Goodman, S., Harwood, J., and Wayne, R.K. Worldwide patterns of genetic differentiation in the Harbor seal (*Phoca vitulina*). Molecular Biology and Evolution *13*:368-382 (1966). | **Research article** | |
|  |  |  | |
| 68. | Mace, G.M., Smith, T.B., Bruford, M.W., and Wayne, R.K. Molecular genetic approaches in conservation—an overview of the issues. In: Molecular Genetic approaches in Conservation, (Smith, T.B. and Wayne, R.K. eds.) Oxford University Press, Oxford. Pp. 1-12 (1996). | **Book chapter** | |
|  |  |  | |
| 69. | Smith, T.B. and Wayne, R.K. editors, Molecular Approaches in Conservation, Oxford University Press, Oxford 483 pages (1996). | **Edited volume** | |
|  |  |  | |
| 70. | Altman, J., Alberts, S.C., Haines, S.A., Duback, J., Murithi, P., Coote, T., Geffen, E., Cheesman, D.J., Mututua, R.S., Saiyalel, S.N., Wayne, R.K., Lacy, R.C., and Bruford, M.W. Genetic consequences of social structure tested in a wild primate group. Proceedings of the National Academy of Sciences USA *93*:5797-5801 (1996). | **Research article** | |
|  |  |  | |
| 71. | Girman, D.J., Mills, M.G.L., Geffen, E., and Wayne, R.K. A molecular genetic analysis of social structure, dispersal, and interpack relationships of the African wild dog (*Lycaon pictus*). Behavioral Ecology and Sociobiology 40:187-198 (1997). | **Research article** | |
|  |  |  | |
| 72. | Hedrick, P.W., Miller, P.S., Geffen, E., and Wayne, R.K. Genetic evaluation of the three captive Mexican wolf lineages. Zoo Biology *16*:47-69 (1997). | **Research article** | |
|  |  |  | |
| 73. | Wayne, R.K. Conservation genetics: Apply anywhere. World Conservation *1*:15-17 (1996). | **Review** | |
|  |  |  | |
| 74. | Barratt, E.M., Deaville, R., Burland, T.M., Bruford, M.W., Jones, G., Racey, P.A., and Wayne, R.K. DNA answers the call of pipistrell bat species. Nature *387*:138-139 (1997). | **Research article** | |
|  |  |  | |
| 75. | Kohn, M.H. and Wayne, R.K. Facts from feces revisited. Trends in Ecology and Evolution *12*:223-227 (1997). | **Refereed review** | |
|  |  |  | |
| 76. | Gompper, M. E., Gittleman, J. L., and Wayne, R. K. Genetic relatedness and social behavior of the white-nosed coati (*Nasua narica*). Animal Behavior *53*:781-797 (1997). | **Research article** | |
|  |  |  | |
| 77. | Faulkes, C.G., Abbot, D.H., O’Brien, H.P., Lau, L., Roy, M.R., Wayne, R.K., and Bruford, M.W. Micro- and macro-geographic structure of colonies of naked mole rats, *Heterocephalus glaber*. Molecular Ecology *7*:615-628 (1997). | **Research article** | |
|  |  |  | |
| 78. | Vila, C., Savolainen, P., Maldonado, J.E., Amorim, I.R., Rice, J.E., Honeycutt, R.L., Crandall, K.A., Lundeberg, J., and Wayne, R.K. The domestic dog has an ancient and genetically diverse origin. Science *276*:1687-1689 (1997). | **Research article** | |
|  |  |  | |
| 79. | Smith, T.B., Wayne, R.K., Girman, D.J., and Bruford, M.W. A role for ecotones in generating rainforest biodiversity. Science *276*:1855-1857. (1997). | **Research article** | |
|  |  |  | |
| 80. | Smith, D., Meier, T., Geffen, E., Mech, L.D., Burch, J.W., Adams, L.G., and Wayne, R.K. Is incest common in gray wolf packs? Behavioral Ecology *8*:384-391 (1997). | Research article | |
|  |  |  | |
| 81. | Wayne, R.K. and Gottelli, D. Systematics, population genetics and genetic management of the Ethiopian wolf. In: The Ethiopian Wolf, Status Survey and Conservation Action Plan (C. Sillero-Zubiri and D. Macdonald, eds) IUCN, Gland, Switzerland. Pp. 43-50 (1997). | Review | |
|  |  |  | |
| 82. | Vila, C., Maldonado, J., Amorim, I.R., and Wayne, R.K. Man and his dog - Reply. Science *278*:206-207 (1997). | Reply | |
|  |  |  | |
| 83. | Girman, D.J., and Wayne, R.K. Genetic perspectives on wild dog conservation. In: The African wild dog, Status Survey and Conservation Action Plan (Woodroffe, R., Ginsberg, J., and Macdonald, D. eds.) IUCN, Gland, Switzerland. Pp. 7-10 (1997). | **Review** | |
|  |  |  | |
| 84. | | Wayne, R.K., Geffen, E., Girman, D.J., Koepfli, K.P., and Marshall, C. Molecular systematics of the Canidae. Systematic Biology *46*:622-653 (1997). | | **Research article** |
|  | |  | |  |
| 85. | | Maldonado, J.E., Cotera, M., Geffen, E., and Wayne, R.K. Relationships of the endangered Mexican kit fox (*Vulpes macrotis zinseri*) to North American arid-land foxes based on mitochondrial DNA sequence data. Southwestern Naturalist *42*:460-470 (1997). | | **Research article** |
|  | |  | |  |
| 86. | | Wayne, R.K., Roy, M.S., and Gittleman, J.L. Origin of the red wolf: Response to Nowak and Federoff and Gardener. Conservation Biology *12*:726-729 (1998). | | Reply |
|  | |  | |  |
| 87. | | Frantzen, M.A.J., Silk, J.B., Ferguson, J.W.H., Wayne, R.K., and Kohn, M.H. Empirical evaluation of preservation methods for faecal DNA. Molecular Ecology, *7*:1423-1428 (1998). | | Research article |
|  | |  | |  |
| 88. | | Gompper, M.E., Gittleman, J.L., and Wayne, R.K. Dispersal, philopatry, and genetic relatedness in a social carnivore: comparing males and females. Molecular Ecology *7*:157-163 (1998). | | **Research article** |
|  | |  | |  |
| 89. | | Gonzalez, S., Maldonado, J.E., Leonard, J.A., Vila, C., Barbanti-Duarte, J.M., Merino, M., Brum-Zorrilla, N., and Wayne, R.K. Conservation genetics of the endangered Pampas deer (*Ozotoceros bezoarticus*). Molecular Ecology *7*:47-56 (1998). | | **Research article** |
|  | |  | |  |
| 90. | | O’Ryan, C., Harley, E.H., Bruford, M.W., Beaumont, M., Wayne, R.K., and Cherry, M.I. Microsatellite analysis of genetic diversity in fragmented South African buffalo populations. Animal Conservation *2*:85-94 (1998). | | **Research article** |
|  | |  | |  |
| 91. | | Hadly, E.A., Kohn, M.H., and Wayne, R.K. Stasis during rapid climatic change in a pocket gopher population. Proceedings of the National Academy of Sciences USA *95*:6893-6896 (1998). | | **Research article** |
|  | |  | |  |
| 92. | | Koepfli, K.P. and Wayne, R.K. Molecular phylogenetics of otters (*Carnivora: Mustelidae*) based on mitochondrial cytochrome *b* sequences. J. Zoology *246*:410-406 (1998). | | **Research article** |
|  | |  | |  |
| 93. | | Cooper, A., and Wayne, R.K. New uses for old DNA. Current opinions in Biotechnology *9*:49-53 (1998). | | **Refereed review** |
|  | |  | |  |
| 94. | | Vila, C., and Wayne, R.K. Wolf-dog hybridization. Conservation Biology *13*:195-198 (1999). | | **Research article** |
|  | |  | |  |
| 95. | | Vila, C., Maldonado, J., and Wayne, R.K. Phylogenetic relationships and evolution of the domestic dog. J. Heredity *90*:71-77 (1999). | | **Research article** |
|  | |  | |  |
| 96. | | Goldstein, D.B., Roemer, G.W., Smith, D.A., Bergman, A., and Wayne, R.K. The use of microsatellites to infer population structure and demographic history in a natural model system. Genetics *151*:797-801 (1999). | | **Research article** |
|  | |  | |  |
| 97. | | Reich, D.E., Wayne, R.K., and Goldstein, D.B., Genetic evidence for a recent origin by hybridization of red wolves. Molecular ecology *8*:139-144 (1999). | | Research article |
|  | |  | |  |
| 98. | | Kohn, M.H., York, E.C., Kamradt, D.A., Haught, G., Sauvajot, R.M., and Wayne, R.K. Estimating population size by genotyping faeces. Proc. Royal Soc. London. *266*:657-663 (1999). | | **Research article** |
|  | |  | |  |
| 99. | | Wayne, R.K., and Ostrander, E.A. Origin, genetic diversity, and genome structure of the domestic dog. BioEssays *21*:247-257 (1999). | | **Refereed review** |
|  | |  | |  |
| 100. | | Wayne, R.K., Leonard, J.A., and Cooper, A. Full of sound and Fury: the recent history of Ancient DNA. Ann. Rev. Ecol. & Syst. *30*:457-77 (1999). | | **Refereed review** |
|  | |  | |  |
| 101. | | Rieseberg, L.H., Archer, M.A., and Wayne, R.K. Transgressive segregation, adaptation and speciation. Heredity *83*:363-372 (1999). | | **Refereed review** |
|  | |  | |  |
| 102. | | Vila, C., Amorim, I.R., Leonard, J.A., Posada, D., Castroviejo, J., Petrucci-Fonseca, F., Crandall, K.A., Ellegren, H., and Wayne, R.K. Mitochondrial DNA phylogeography and population history of the grey wolf *Canis lupus*. Molecular Ecology, *8*:2089-2103 (1999). | | **Research article** |
|  | |  | |  |
| 103. | | Kohn, M.H., Pelz, H.J., and Wayne, R.K. Natural selection mapping of the warfarin-resistance gene. Proceedings of the National Academy of Sciences USA *97*:7911-7915 (2000). | | **Refereed review** |
|  | |  | |  |
| 104. | | Leonard, J.A., Wayne, R.K., and Cooper, A. Population genetics of Ice Age brown bears. Proceedings of the National Academy of Sciences USA *97*:1651-1654 (2000). | | **Research article** |
|  | |  | |  |
| 105. | | Crandall, K.A., Bininda-Emonds, O.R.P., Mace, G.M., and Wayne, R.K. Considering evolutionary processes in conservation biology. Trends in Ecology & Evolution *15*: 290-295 (2000). | | **Refereed review** |
|  | |  | |  |
| 106. | | Kays, R.W., Gittleman, J.L., and Wayne, R.K. Microsatellite analysis of kinkajou social organization. Molecular Ecology *9*:743-751 (2000). | | **Research article** |
| 107. | | Maldonado J.E., Vilà, C., and Wayne, R.K. Tripartite genetic subdivisions in the ornate shrew (*Sorex ornatus*). Molecular Ecology, *10*: 127-147 (2001). | | **Research article** |
|  | |  | |  |
| 108. | | Gittleman, J., MacDonald, D.W., Funk, S., and Wayne, R.K. (Eds.). Carnivore Conservation. Conservation Biology Series, Cambridge 675 pages (2001). | | **Edited Volume** |
|  | |  | |  |
| 109. | | Gittleman, J., Funk, S., MacDonald, D.W., and Wayne, R.K. Why carnivore conservation? Gittleman, (J., MacDonald, D.W., Funk, S., and Wayne, R.K. eds.). Carnivore conservation. Conservation Biology Series, Cambridge.  1-7 (2001). | | **Book Introduction** |
|  | |  | |  |
| 110. | | Wayne, R.K., and Brown, D.W. Hybridization and Conservation of Carnivores In: Carnivore Conservation. (J., MacDonald, D.W., Funk, S., and Wayne, R.K. eds.). Carnivore conservation. Conservation Biology Series, Cambridge. Pp. 145-162 (2001). | | **Refereed review** |
|  | |  | |  |
| 111. | | Torres, E., Lees, D.C., Vane-Wright, R.I., Kremen, C., Leonard, J.A., and Wayne, R.K. Testing the monophyly of a large radiation of Madagascan butterflies (Lepidoptera: Satyrinae: Mycalesina) based on mitochondrial DNA sequence data. Molecular Phylogenetics and Evolution, *20*:460-473. (2001). | | **Research article** |
|  | |  | |  |
| 112. | | Girman, D.J., Vilà, C., Geffen, E., Creel, S., Mills, M.G.L., Mcnutt, J.W., Ginsberg, J., Kat, P.W., Mamiya, K.H., and Wayne, R.K. Patterns of population subdivision, gene flow and genetic variability in the African wild dog (*Lycaon pictus*). Molecular Ecology, 10:1703-1723 (2001). | | **Research article** |
|  | |  | |  |
| 113. | | Wayne, R.K., and Vilà, C. Phylogeny and Origin of the Domestic Dog. In: The Genetics of the Dog. Ruvinsky, (A. and J. Sampson, eds.). CAB Press, New York. Pp. 1-14 (2001). | | **Refereed review** |
|  | |  | |  |
| 114. | | Wayne, R.K. Consequences of domestication: Morphologic diversity of the Dog. In: The Genetics of the Dog. Ruvinsky. (A. and J. Sampson, eds.). CAB Press, New York. Pp. 16-43 (2001). | | **Refereed review** |
|  | |  | |  |
| 115. | | Semple K.E., Wayne, R.K. and Gibson, R.M. Microsatellite analysis of female mating behavior in lek-breeding sage grouse. Molecular Ecology, *10*:2043-2048 (2001). | | **Research article** |
| 116. | | Smith, T. B., S. Kark,, C. J. Schneider, R. K. Wayne, and C. Moritz. 2001. Biodiversity hotspots and beyond: the need for preserving environmental transitions. Trends in Ecology and Evolution *16*: 431. (2001). | | **Comment** |
|  | |  | |  |
| 117. | | Vila, C., Leonard J. A., Gotherstrom A., Marklund S., Sandberg K., Liden K., Wayne R. K., and Ellegren H. Widespread origins of domestic horse lineages. Science *291*:474-477 (2001). | | **Research article** |
|  | |  | |  |
| 118. | | Vila, C., Ellegren, H., Gotherstrom, A., Leonard, J.A., Wayne R.K. Tales from the DNA of domestic horses – Reply Science *292*:218-219 (2001). | | **Reply** |
|  | |  | |  |
| 119. | | Roemer G. W., Smith D. A., Garcelon D. K., and Wayne R. K. The behavioural ecology of the island fox (*Urocyon littoralis*). Journal of Zoology *255*:1-14 (2001). | | **Research article** |
|  | |  | |  |
| 120. | | Semple K.E., Wayne, R.K. and Gibson, R.M. Microsatellite analysis of female mating behaviour in lek-breeding sage grouse Molecular Ecology *11*: 153-153 (2002). | | **Correction** |
|  | |  | |  |
| 121. | | Hecht, S.B. Van Valkenburgh, B. and Wayne R.K. Dogs: Wolf, Myth, Hero and Friend. Bark (Fall):42-47 (2002). | | **Popular Article** |
|  | |  | |  |
| 122. | | Leonard J.A., Wayne R.K., Wheeler, J., Valadez R., Guillen S., and Vila C.. Ancient DNA evidence for Old World origin of New World dogs. Science 298:1613-1616 (2002). | | **Research article** |
|  | |  | |  |
| 123. | | Riley, S. P D., Sauvajot R. M ., Fuller T. K., York E.C., Kamradt D. A.,; Bromley C., and Wayne, R. K. Effects of urbanization and habitat fragmentation on bobcats and coyotes in southern California. Conservation Biology. *17*:566-576. (2003). | | **Research article** |
|  | |  | |  |
| 124. | | Domingo-Roura X., MacDonald D. W., Roy M. S., Marmi J., Terradas J., Woodroffe R., Burke T., and Wayne R K. Confirmation of low genetic diversity and multiple breeding females in a social group of Eurasian badgers from microsatellite and field data. Molecular Ecology. *12*:533-539 (2003). | | **Research article** |
|  | |  | |  |
| 125. | | Reynolds J. D., Bruford M. W., Gittleman J. L., and Wayne R. K. The First Five Years. Animal Conservation. *6*:1-2 (2003).. | | **Editorial** |
|  | |  | |  |
| 126. | | Amrine-Madsen H.; Koepfli K-P, Wayne R. K., Springer M. S.,. A new phylogenetic marker, apolipoprotein B, provides compelling evidence for eutherian relationships. Molecular Phylogenetics & Evolution. *28*:225-240 (2003). | | **Research article** |

|  |  |  |
| --- | --- | --- |
| 127. | Wayne, R.K., and Vilà, C. Molecular genetic studies of wolves. In: The Ecology and Behavior of the Gray Wolf. (Mech, L.D., and Boitani, L. eds.). University of Chicago Press, Chicago. Pp. 218-238 (2003). | **Refereed review** |
|  |  |  |
| 128. | Dragoo, J.W. and Wayne, R.K. Systematics and population genetics of kit and Swift Foxes. (Sovada, M.A. and Carnyn, L. eds.) Ecology and Conservation of Swift Foxes in a Changing World. Canadian Plains Research Center, University of Regina. Pp. 207-222 (2003). | **Book Chapter** |
|  |  |  |
| 129. | Kohn, M.H., Pelz, H.J., and Wayne, R.K. Locus-specific genetic differentiation at Rw among warfarin-resistant rat (*Rattus norvegicus*) populations. Genetics *164*:1055-1070 (2003). | **Research article** |
|  |  |  |
| 130. | Roemer, G.W. and Wayne, R.K. Conservation in conflict: the tale of two endangered species. Conservation Biology *17*:1251-1260. (2003). | **Reviewed**  **Essay** |
|  |  |  |
| 131. | Koepfli. K-P and Wayne, R.K. Type I STS markers are more informative than cytochrome B in phylogenetic reconstruction of the Mustelidae (Mammalia: Carnivora). Systematic Biology. 52:571-594 (2003). | **Research article** |

|  |  |  |
| --- | --- | --- |
|  | Aguilar, A., G. Roemer, S. Debenham, M. Binns, D. Garcelon, and R. K. Wayne.  High MHC diversity maintained by balancing selection in an otherwise genetically monomorphic mammal. Proc Natl Acad Sci. USA 101:3490-3494 (2004) | **Research article** |
|  |  |  |
| 133. | Bardeleben, C., V. Palchevskiy, R. Calsbeek, and R. K. Wayne. Isolation of polymorphic tetranucleotide microsatellite markers for the brown anole (*Anolis sagrei*). Molecular Ecology Notes 4:176-178 (2004) | **Research article** |
|  |  |  |
| 134. | Geffen, E., M. J. Anderson, and R. K. Wayne. Climate and habitat barriers to dispersal in the highly mobile grey wolf. Mol Ecol. 13:2481-2490 (2004) | **Research article** |
|  |  |  |
| 135. | Morin, P. A., G. Luikart, and R. K. Wayne. SNPs in ecology, evolution and conservation. Trends in Ecology & Evolution. 19:208-216 (2004) | **Research article** |
|  |  |  |
| 136. | Vila, C., J. A. Leonard, A. Iriarte, S. J. O'Brien, W. E. Johnson, and R. K. Wayne. Detecting the vanishing populations of the highly endangered Darwin's fox, *Pseudalopex fulvipes*. Animal Conservation. 7:147-153 (2004) | **Research article** |
|  |  |  |
| 137. | Wayne, R. K., and P. A. Morin. Conservation genetics age in the new molecular. Frontiers in Ecology and the Environment. 2:89-97 (2004) | **Refereed review** |
|  |  |  |
| 138. | Wayne, R. K., and E. A. Ostrander. Out of the dog house: the emergence of the canine genome. Heredity. 92:273-274 (2004) | **Refereed review** |
|  |  |  |
| 139. | Wayne R.K., Geffen, E. and Vila. C. Conservation genetics of canids. In: Macdonald, D. W., and C. Sillero-Zubiri, editors. The Canid Action Plan. IUCN/SSC Canid Specialist Group. Pages 237-245 (2004) | Book Chapter |
|  |  |  |
| 140. | Wayne R.K., Geffen, E. and Vila. C. Populations genetics. In: Macdonald, D. W., and C. Sillero-Zubiri, editors. Biology and Conservation of Wild Canids. Oxford University Press, Oxford. Pages 55-84 (2004) | Refereed Book Chapter |
|  |  |  |
| 141. | Wang, X., Tedford, R.H., Van Valkenburgh, B. and R.K. Wayne. Ancestry. In: Macdonald, D. W., and C. Sillero-Zubiri, editors. Biology and Conservation of Wild Canids. Oxford University Press, Oxford. Pages 39-54 (2004) | Refereed Book Chapter |
|  |  |  |
| 142. | Wang, X., Tedford, R.H., Van Valkenburgh, B. and R.K. Wayne. Phylogeny, Classification, and Evolutionary Ecology of the Canidae. In: Macdonald, D. W., and C. Sillero-Zubiri, editors. The Canid Action Plan. IUCN/SSC Canid Specialist Group Pages 8-20 (2004) | **Book Chapter** |
|  |  |  |
| 143. | Aguilar, A., J. D. Banks, K. F. Levine, and R. K. Wayne. Population genetics of northern pike (*Esox lucius*) introduced into Lake Davis, California. Canadian Journal of Fisheries and Aquatic Sciences. 62:1589-1599 (2005) | **Research article** |
|  |  |  |
| 144. | Aguilar, A., T. B. Smith, and R. K. Wayne. A comparison of variation between a MHC pseudogene and microsatellite loci of the little greenbul (*Andropadus virens*). BMC Evol Biol. 5:47 (2005). | **Refereed review** |
|  |  |  |
| 145. | Bardeleben, C., R. L. Moore, and R. K. Wayne. A molecular phylogeny of the Canidae based on six nuclear loci. Mol Phylogenet Evol. 37:815-831 (2005 | **Research article** |
|  |  |  |
| 146. | Wayne, R.K, Leonard, J.A., and Vilà C. Genetic Analysis of Dog Domestication. In: Zeder, M.E. (editor) Documenting Domestication: New Genetic and Archaeological Paradigms, Smithsonian Institution Press, Washington. Pages 279-293 (2005). | Refereed  Book Chapter |
| 147. | Bardeleben, C., R. L. Moore, and R. K. Wayne. Isolation and molecular evolution of the selenocysteine tRNA (Cf TRSP) and RNase P RNA (Cf RPPH1) genes in the dog family, Canidae. Mol Biol Evol. 22:347-359 (2005) | **Research article** |
|  |  |  |
| 148. | Delaney, K. S., and R. K. Wayne. Adaptive units for conservation: Population distinction and historic extinctions in the Island Scrub-Jay. Conservation Biology. 19:523-533 (2005) | **Research article** |
|  |  |  |
| 149. | Farias, V., T. K. Fuller, R. K. Wayne, and R. M. Sauvajot. Survival and cause-specific mortality of gray foxes (*Urocyon cinereoargenteus*) in southern California. Journal of Zoology. 266:249-254 (2005) | **Research article** |
|  |  |  |
| 150. | Gibson, R. M., D. Pires, K. S. Delaney, and R. K. Wayne. Microsatellite DNA analysis shows that greater sage grouse leks are not kin groups. Mol Ecol. 14:4453-4459 (2005) | **Research article** |
|  |  |  |
| 151. | Leonard, J. A., C. Vila, and R. K. Wayne. Legacy lost: genetic variability and population size of extirpated US grey wolves (*Canis lupus*). Mol Ecol. 14:9-17 (2005) | **Research article** |
|  |  |  |
| 152. | Liebert, A. E., P. Nonacs, and R. K. Wayne. Solitary nesting and reproductive success in the paper wasp *Polistes aurifer*. Behavioral Ecology and Sociobiology 57:445-456 (2005) | **Research article** |
|  |  |  |
| 153. | Lindblad-Toh, K., C. M. Wade, T. S. Mikkelsen, E. K. Karlsson, D. B. Jaffe, M. Kamal, M. Clamp, J. L. Chang, E. J. Kulbokas, M. C. Zody, E. Mauceli, X. H. Xie, M. Breen, R. K. Wayne, E. A. Ostrander, C. P. Ponting, F. Galibert, D. R. Smith, P. J. deJong, E. Kirkness, P. Alvarez, T. Biagi, W. Brockman, J. Butler, C. W. Chin, A. Cook, J. Cuff, M. J. Daly, D. DeCaprio, S. Gnerre, M. Grabherr, M. Kellis, M. Kleber, C. Bardeleben, L. Goodstadt, A. Heger, C. Hitte, L. Kim, K. P. Koepfli, H. G. Parker, J. P. Pollinger, S. M. J. Searle, N. B. Sutter, R. Thomas, C. Webber, and E. S. Lander. Genome sequence, comparative analysis and haplotype structure of the domestic dog. Nature. 438:803-819 (2005). | **Research article** |
|  |  |  |
| 154. | Ostrander, E. A., and R. K. Wayne. The canine genome. Genome Res. 15:1706-1716 (2005) | **Review**  **article** |
|  |  |  |
| 155. | Pollinger, J. P., C. D. Bustamante, A. Fledel-Alon, S. Schmutz, M. M. Gray, and R. K. Wayne. Selective sweep mapping of genes with large phenotypic effects. Genome Res 15:1809-1819 (2005). | **Research article** |
|  |  |  |
| 156. | Smith, T. B., R. Calsbeek, R. K. Wayne, K. H. Holder, D. Pires, and C. Bardeleben. Testing alternative mechanisms of evolutionary divergence in an African rain forest passerine bird. J Evol Biol. 18:257-268 (2005). | **Research article** |
|  |  |  |
| 157. | Aguilar, A., S. V. Edwards, T. B. Smith, and R. K. Wayne. Patterns of variation in MHC class II beta loci of the little greenbul (*Andropadus virens*) with comments on MHC evolution in birds. J Hered. 97:133-142 (2006) | **Research article** |
|  |  |  |
| 158. | Leonard, J.A., C. Vilà, and R.K. Wayne. From Wild Wolf to Domestic Dog. In:  [Ostrander](http://www.amazon.com/s/ref=si3_rdr_bb_author/104-4419130-2322326?index=books&field%2dauthor%2dexact=Elaine%20A%2e%20Ostrander), E.A., [U. Giger](http://www.amazon.com/s/ref=si3_rdr_bb_author/104-4419130-2322326?index=books&field%2dauthor%2dexact=Urs%20Giger), [K. Lindblad-Toh](http://www.amazon.com/s/ref=si3_rdr_bb_author/104-4419130-2322326?index=books&field%2dauthor%2dexact=Kerstin%20Lindblad%2dtoh), editors. T[he Dog And Its Genome Cold Spring Harbor Monograph Series. New York. (2](http://www.amazon.com/Genome-Cold-Spring-Harbor-Monograph/dp/0879697423/ref=si3_rdr_bb_product/104-4419130-2322326)005) | **Refereed review** |
|  |  |  |
| 159. | Smith, T. B., R. K. Wayne, D. Girman, and M. W. Bruford. 2005. Evaluating the divergence-with-gene-flow model in natural populations: the importance of ecotones in rainforest speciation In E. Bermingham, C. W. Dick, and C. Moritz , Editors. Tropical Rainforests: Past, Present, and Future. University of Chicago Press, Chicago and London. pages 148-165. | Refereed  Book Chapter |
|  |  |  |
| 160. | Koepfli, K. P., S. M. Jenks, E. Eizirik, T. Zahirpour, B. Van Valkenburgh, and R. K. Wayne. Molecular systematics of the Hyaenidae: relationships of a relictual lineage resolved by a molecular supermatrix. Mol Phylogenet Evol. 38:603-620 (2006) | **Research article** |
|  |  |  |
| 161. | Kohn, M. H., W. J. Murphy, E. A. Ostrander, and R. K. Wayne. Genomics and conservation genetics. Trends Ecol Evol. 21 (11):629-637 (2006) | **Refereed review** |
|  |  |  |
| 162. | Maldonado, J. E., J. Leonard, G. A. Miranda, J. Ortega, R. K. Wayne, and R. J. Aguilera. Ten polymorphic microsatellite loci for the endangered Buena Vista Lake shrew (*Sorex ornatus relictus*). Molecular Ecology Notes 6:349-352 (2006) | **Research article** |
|  |  |  |
| 163. | Riley, S. P. D., J. P. Pollinger, R. M. Sauvajot, E. C. York, C. Bromley, T. K. Fuller, and R. K. Wayne. A southern California freeway is a physical and social barrier to gene flow in carnivores. Molecular Ecology 15:1733-1741 (2006) | **Research article** |
|  |  |  |
| 164. | Milá, B., T. B. Smith, R. K. Wayne. Postglacial population expansion drives the evolution of long-distance migration in a songbird. Evolution. 60(11):2403–2409. (2006) | **Research article** |
|  |  |  |
| 165. | Milá, B., T B. Smith, and R. K. Wayne. Speciation and rapid phenotypic differentiation in the yellow-rumped warbler *Dendroica coronata* complex  Molecular Ecology. 16: 159-173 (2007). | **Research article** |
|  |  |  |
| 166. | Koepfli, K.-P., M. E. Gompper, E. Eizirik, C.-C. Ho, L. Linden, J. E. Maldonado, and R. K. Wayne. Phylogeny of the Procyonidae (Mammalia: Carnivora): Molecules, morphology and the Great American Interchange. Molecular Phylogenetics and Evolution. 43(3):1076-95 (2007). | **Research article** |
|  |  |  |
| 167. | Perrine, J. D., J. P. Pollinger, B. N. Sacks, R. H. Barrett, & R. K. Wayne. Genetic evidence for the persistence of the critically endangered Sierra Nevada red fox in California. Conservation Genetics. 8: 1083-1095 (2007). | **Research article** |
|  |  |  |
| 168. | Leonard, J. A., O. Shanks, M. Hofreiter, E. Kreuz, L. Hodges, W. Ream, R. K. Wayne, and R. C. Fleischer. Animal DNA in PCR reagents plagues ancient DNA research. Journal of Archaeological Science 34, 1361-66 (2007). | **Research article** |
|  |  |  |
| 169. | Randall, D.A., J. P. Pollinger, R. K. Wayne, L. A. Tallents, P. J. Johnson and D. W. Macdonald. 2007. Is inbreeding reduced by dispersal and mating behavior in Ethiopian wolves? Behavioral Ecology 18(3):579-589 (2007). | **Research article** |
|  |  |  |
| 170. | Milá,B., J. E. McCormack, G, Castañeda, R. K. Wayne and T. B. Smith.. Rapid postglacial diversification in a songbird lineage. Proc. Royal Sci. 7:2653-60 (2007). | **Research article** |
|  |  |  |
| 171. | Brown, D., R. Brenneman, K-P. Koepfli, J. Pollinger, B. Milá, E. E. Louis, Jr., N. J. Georgiadis, G. Grether, Edward E Louis, Jr, Gregory F. Grether, David K. Jacobs, and R. K. Wayne. Extensive population genetic structure in the giraffe. BMC Biol. 5: 57-70 (2007). | **Research article** |
|  |  |  |
| 172. | Leonard, J.A., C. Vilà, K. Fox-Dobbs, P. L. Koch, R. K. Wayne, and B. Van Valkenburgh. 2007..Megafaunal Extinctions and the Disappearance of a Specialized Wolf Ecomorph. Current Biology 17:1146–1150 (2007). | **Research article** |
|  |  |  |
| 173. | Geffen, E., S. Waidyaratne, L. Dalén, A. Angerbjörn, C. Vila, P. Hersteinsson, E. Fuglei, P. A. White, M. Goltsman and R. K. Wayne. Sea ice occurrence predicts genetic isolation in the Arctic fox. Molecular Ecology 16:4241-55 (2007). | **Research article** |
|  |  |  |
| 174. | Musiani, M., J. A. Leonard, H. D. Cluff, C. C. Gates, S. Mariani, P. C. Paquet, C. Vilà and R. K. Wayne. Differentiation of tundra and boreal coniferous forest wolves: genetics, coat color and foraging ecology. Molecular Ecology, 16: 4149–4170 (2007). | **Research article** |
|  |  |  |
| 175. | Sutter, Nathan B., Carlos D. Bustamante, Kevin Chase, Melissa M. Gray, Keyan Zhao, Lan Zhu, Badri Padhukasahasram, Eric Karlins, Sean Davis, Paul G. Jones, Pascale Quignon, Gary S. Johnson, Heidi G. Parker, Neale Fretwell, Dana S. Mosher, Dennis F. Lawler, Ebenezer Satyaraj, Magnus Nordborg, K. Gordon Lark, Robert K. Wayne, and Elaine A. Ostrander. A Single *IGF1* Allele is a Major Determinant of Small Size in Dogs. Science, 316: 112 – 115 (2007). | **Research article** |
|  |  |  |
| 176. | [Wayne R.K](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Wayne%20RK%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), and [Ostrander E.A](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Ostrander%20EA%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus). Lessons learned from the dog genome. [Trends Genet.](javascript:AL_get(this,%20'jour',%20'Trends%20Genet.');) 23(11):557-67 (2007). | **Review** |
|  |  |  |
| 177. | Milá, B., R. K. Wayne, T. B. Smith. Ecomorphology of migratory and sedentary populations of the yellow-rumped warbler (*Dendroica coronata*) complex. Condor 110:335-344 (2008). | **Research article** |
|  |  |  |
| 178. | Koepfli KP, Deere KA, Slater GJ, Begg C, Begg K, Grassman L, Lucherini M, Veron G, Wayne R.K. [Multigene phylogeny of the Mustelidae: Resolving relationships, tempo and biogeographic history of a mammalian adaptive radiation](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=2D84DL1Dn4iFbENngCH&page=1&doc=1) BMC Biology    Feb 14;6:10. (2008). | **Research article** |
|  |  |  |
| 179. | Leonard JA, and Wayne R.K. Native Great Lakes wolves were not restored. Biol Lett. 2008 Feb 23;4(1):95-8 (2008). | **Research article** |
|  |  |  |
| 180. | [Vonholdt BM](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Vonholdt%20BM%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Stahler DR](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Stahler%20DR%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Smith DW](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Smith%20DW%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Earl DA](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Earl%20DA%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Pollinger JP](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Pollinger%20JP%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), and [Wayne RK](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Wayne%20RK%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus).  The genealogy and genetic viability of reintroduced Yellowstone grey wolves.  [Mol Ecol.](javascript:AL_get(this,%20'jour',%20'Mol%20Ecol.');) 2008 Jan;17(1):252-74. (2008). | **Research article** |
|  |  |  |
| 181. | Koepfli KP, Kanchanasaka B, Sasaki H, Jacques H, Louie KDY, Hoai T, Dang NX, Geffen E, Gutleb A, Han SY, Heggberget TM, LaFontaine L, Lee H, Melisch R, Ruiz-Olmo J, Santos-Reis M, Sidorovich VE, Stubbe M and Wayne RK**.** Establishing the foundation for an applied molecular taxonomy of otters in Southeast Asia. 9:1589-1604 (2008). | **Research article** |
|  |  |  |
| 182. | Delaney, K. S., Zafar, S. and Wayne, R. K., Genetic divergence and differentiation within the Western Scrub-Jay (Aphelocoma Californica), Auk 125(4): 839-849 (2008) | **Research article** |
|  |  |  |
| 183. | Leonard, J. A. and Wayne, R. K., Wishful thinking: imagining that the current Great Lakes wolf is the same entity that existed historically, Biology Letters 5(1): 67-68 (2009) | **Reply** |
|  |  |  |
| 184. | Schweizer R.M., Roemer G.W., Pollinger J.P., and Wayne R.K., Characterization  of 15 tetranucleotide microsatellite markers in the ringtail (*Bassariscus astutus*) Molecular Ecology Resources, 9:210-212 (2009). | **Research article** |
|  |  |  |
|  |  |  |
| 185. | Anderson, T. M., vonHoldt, B. M., Candille, S. I., Musiani, M., Greco, C., Stahler, D. R., Smith, D. W., Padhukasahasram, B., Randi, E., Leonard, J. A., Bustamante, C. D., Ostrander, E. A., Tang, H., Wayne, R. K. and Barsh, G. S. Molecular and Evolutionary History of Melanism in North American Gray Wolves, Science 323(5919): 1339-1343 (2009) |  |
|  |  | **Research article** |
| 186. | Pease, K. M., Freedman, A. H., Pollinger, J. P., McCormack, J. E., Buermann, W., Rodzen, J., Banks, J., Meredith, E., Bleich, V. C., Schaefer, R. J., Jones, K. and Wayne, R. K., Landscape genetics of California mule deer (Odocoileus hemionus): the roles of ecological and historical factors in generating differentiation,  Molecular Ecology 18(9): 1848-1862 (2009). |  |
|  |  | **Research article** |
| 187. | Koblmuller, S., Nord, M., Wayne, R. K. and Leonard, J. A., Origin and status of  the Great Lakes wolf, Molecular Ecology 18(11): 2313-2326 (2009). Featured in a commentary in the same issue. |  |
|  |  | **Research article** |
| 188. | Mila, B., Wayne, R. K., Fitze, P. and Smith, T. B., Divergence with gene flow and fine-scale phylogeographical structure in the wedge-billed woodcreeper, *Glyphorynchus spirurus*, a Neotropical rainforest bird, Molecular Ecology 18(14): 2979-2995 (2009) |  |
|  |  | **Research article** |
| 189 | Gray MM, Granka JM, Bustamante CD, Sutter NB, Boyko AR, Zhu L, Ostrander EA, Wayne RK. [Linkage disequilibrium and demographic history of wild and domestic canids.](http://www.ncbi.nlm.nih.gov/pubmed/19189949) Genetics. 181(4):1493-505 (2009) |  |
|  |  | **Research article** |
| 190. | Barsh, G. S., Anderson, T. M., Vonholdt, B. M., Candille, S. I., Musiani, M., Stahler, D. R., Leonard, J. A., Padhukasahasram, B., Randi, E., Bustamante, C. D., Ostrander, E. A., Tang, H. and Wayne, R. K., How the Gray Wolf Got Its Color Response, Science 325(5936): 34-34 (2009) |  |
|  |  | **Reply** |
| 191. | Munoz-Fuentes, V., Darimont, C. T., Wayne, R. K., Paquet, P. C. and Leonard, J. A., Ecological factors drive differentiation in wolves from British Columbia, Journal of Biogeography 36(8): 1516-1531 (2009) |  |
|  |  | **Research article** |
| 192. | Parker, H. G., VonHoldt, B. M., Quignon, P., Margulies, E. H., Shao, S., Mosher, D. S., Spady, T. C., Elkahloun, A., Cargill, M., Jones, P. G., Maslen, C. L., Acland, G. M., Sutter, N. B., Kuroki, K., Bustamante, C. D., Wayne, R. K. and Ostrander, E. A., An Expressed Fgf4 Retrogene Is Associated with Breed-Defining Chondrodysplasia in Domestic Dogs, Science 325(5943): 995-998 (2009) |  |
|  |  | **Research article** |
| 193. | Cadieu, E., Neff, M. W., Quignon, P., Walsh, K., Chase, K., Parker, H. G., VonHoldt, B. M., Rhue, A., Boyko, A., Byers, A., Wong, A., Mosher, D. S., Elkahloun, A. G., Spady, T. C., Andre, C., Lark, K. G., Cargill, M., Bustamante, C. D., Wayne, R. K. and Ostrander, E. A., Coat Variation in the Domestic Dog Is Governed by Variants in Three Genes, Science 326(5949): 150-153 (2009) |  |
|  |  | **Research article** |
| 194. | Kapheim, K. M., Pollinger, J. P., Wcislo, W. T. and Wayne, R. K., Characterization of 12 polymorphic microsatellite markers for a facultatively eusocial sweat bee (Megalopta genalis), Molecular Ecology Resources 9(6): 1527-1529 (2009) |  |
|  |  | **Research article** |
| 195. | Slater, G. J., Thalmann, O., Leonard, J. A., Schweizer, R. M., Koepfli, K. P., Pollinger, J. P., Rawlence, N. J., Austin, J. J., Cooper, A. and Wayne, R. K. Evolutionary history of the Falklands wolf, Current Biology 19(20): R937-R938 (2009) |  |
|  |  | **Research article** |
| 196. | Koblmuller, S., Nord, M., Wayne, R. K. and Leonard, J., REPLY - More is better, Molecular Ecology 18(24): 4994-4996 (2009) |  |
|  |  | **Reply** |
| 197. | Haussler, D., O'Brien, S. J., Ryder, O. A., Barker, F. K., Clamp, M., Crawford, A. J., Hanner, R., Hanotte, O., Johnson, W. E., McGuire, J. A., Miller, W., Murphy, R. W., Murphy, W. J., Sheldon, F. H., Sinervo, B., Venkatesh, B., Wiley, E. O., Allendorf, F. W., Amato, G., Baker, C. S., Bauer, A., Beja-Pereira, A., Bermingham, E., Bernardi, G., Bonvicino, C. R., Brenner, S., Burke, T., Cracraft, J., Diekhans, M., Edwards, S., Ericson, P. G. P., Estes, J., Fjelsda, J., Flesness, N., Gamble, T., Gaubert, P., Graphodatsky, A. S., Graves, J. A. M., Green, E. D., Green, R. E., Hackett, S., Hebert, P., Helgen, K. M., Joseph, L., Kessing, B., Kingsley, D. M., Lewin, H. A., Luikart, G., Martelli, P., Moreira, M. A. M., Nguyen, N., Orti, G., Pike, B. L., Rawson, D. M., Schuster, S. C., Seuanez, H. N., Shaffer, H. B., Springer, M. S., Stuart, J. M., Sumner, J., Teeling, E., Vrijenhoek, R. C., Ward, R. D., Warren, W. C., Wayne, R., Williams, T. M., Wolfe, N. D., Zhang, Y. P., Graph-Odatsky, A., Johnson, W. E., Felsenfeld, A. and Turner, S., Genome 10K: A Proposal to Obtain Whole-Genome Sequence for 10 000 Vertebrate Species, Journal of Heredity 100(6): 659-674 (2009) |  |
|  |  | **Commentary** |
| 198. | Thomassen, H. A., Buermann, W., Mila, B., Graham, C. H., Cameron, S. E., Schneider, C. J., Pollinger, J. P., Saatchi, S., Wayne, R. K. and Smith, T. B., Modeling environmentally associated morphological and genetic variation in a rainforest bird, and its application to conservation prioritization. Evolutionary Applications 3(1): 1-16 (2010) |  |
|  |  | **Research article** |
| 199. | Randall, D. A., Pollinger, J. P., Argaw, K., Macdonald, D. W. and Wayne, R. K., Fine-scale genetic structure in Ethiopian wolves imposed by sociality, migration, and population bottlenecks, Conservation Genetics 11(1): 89-101 (2010) |  |
|  |  | **Research article** |
| 200. | Gray, M. M., Sutter, N. B., Ostrander, E. A. and Wayne, R. K., The IGF1 small dog haplotype is derived from Middle Eastern grey wolves, BMC Biology 8 (2010) |  |
|  |  | **Research article** |
| 201. | vonHoldt, B. M., Pollinger, J. P., Lohmueller, K. E., Han, E. J., Parker, H. G., Quignon, P., Degenhardt, J. D., Boyko, A. R., Earl, D. A., Auton, A., Reynolds, A., Bryc, K., Brisbin, A., Knowles, J. C., Mosher, D. S., Spady, T. C., Elkahloun, A., Geffen, E., Pilot, M., Jedrzejewski, W., Greco, C., Randi, E., Bannasch, D., Wilton, A., Shearman, J., Musiani, M., Cargill, M., Jones, P. G., Qian, Z. W., Huang, W., Ding, Z. L., Zhang, Y. P., Bustamante, C. D., Ostrander, E. A., Novembre, J. and Wayne, R. K., Genome-wide SNP and haplotype analyses reveal a rich history underlying dog domestication, Nature 464(7290): 898-U109 (2010) |  |
|  |  | **Research article** |
| 202. | Wright, H. W. Y., Gray, M. M., Wayne, R. K. and Woodroffe, R. B., Mating tactics and paternity in a socially monogamous canid, the bat-eared fox (*Otocyon megalotis*), Journal of Mammalogy 91(2): 437-446 (2010) |  |
|  |  | **Research article** |
| 203. | Eizirik, E., Murphy, W. J., Koepfli, K. P., Johnson, W. E., Dragoo, J. W., Wayne, R. K. and O'Brien, S. J., Pattern and timing of diversification of the mammalian order Carnivora inferred from multiple nuclear gene sequences, Molecular Phylogenetics and Evolution 56(1): 49-63 (2010) |  |
|  |  | **Research article** |
| 204. | Thomassen, H. A., Cheviron, Z. A., Freedman, A. H., Harrigan, R. J., Wayne, R. K. and Smith, T. B., Spatial modelling and landscape-level approaches for visualizing intra-specific variation. Molecular Ecology 19(17): 3532-3548 (2010) |  |
|  |  | **Review** |
| 205. | Boyko, A. R., Quignon, P., Li, L., Schoenebeck, J. J., Degenhardt, J. D., Lohmueller, K. E., Zhao, K. Y., Brisbin, A., Parker, H. G., vonHoldt, B. M., Cargill, M., Auton, A., Reynolds, A., Elkahloun, A. G., Castelhano, M., Mosher, D. S., Sutter, N. B., Johnson, G. S., Novembre, J., Hubisz, M. J., Siepel, A., Wayne, R. K., Bustamante, C. D. and Ostrander, E. A., A Simple Genetic Architecture Underlies Morphological Variation in Dogs, Plos Biology 8(8) (2010) |  |
|  |  | **Research article** |
| 206. | VonHoldt, B. M., Stahler, D. R., Bangs, E. E., Smith, D. W., Jimenez, M. D., Mack, C. M., Niemeyer, C. C., Pollinger, J. P. and Wayne, R. K., A novel assessment of population structure and gene flow in grey wolf populations of the Northern Rocky Mountains of the United States, Molecular Ecology 19(20): 4412-4427 (2010). Featured in commentary in the same issue (1:4383-4385). |  |
|  |  | **Research article** |
| 207. | Wayne, R.K. Recent Advances in the Population Genetics of Wolf-like Canids in The World of Wolves: new perspectives on ecology, behaviour and management. Eds Marco musiani, luigi Boitani, and Paul c. Paquet University of Calgary Press, pages 15-50. (2010 |  |
|  |  | **Review** |
| 208. | Gray, M. M. and Wayne, R. K., The IGF1 small dog haplotype is derived from Middle Eastern grey wolves: a closer look at statistics, sampling, and the alleged Middle Eastern origin of small dogs, Response. BMC Biology 8 (2010) |  |
|  |  | **Reply** |
| 209. | Van Valkenburgh, B. and Wayne, R.K. Carnivores, Current Biology 20 (21):R915-9 (2010) |  |
|  |  | **Review** |
| 210. | Wayne R and P. Hendrick. Genetics and wolf conservation in the American West: Lessons and challenges. Heredity 107:16–19 (2011) |  |
|  |  | **Commentary** |
|  |  |  |
| 211. | Henri A. Thomassen, Trevon Fuller, Wolfgang Buermann, Borja Mila, Charles M. Kieswetter, Pablo Jarrı ́n-V., Susan E. Cameron, Eliza Mason, Rena Schweizer, Jasmin Schlunegger, Janice Chan, Ophelia Wang, Manuel Peralvo, Christopher J. Schneider, Catherine H. Graham, John P. Pollinger, Sassan Saatchi, Robert K. Wayne and Thomas B. Smith. Mapping evolutionary process: a multi-taxa approach to conservation prioritization. Evolutionary Applications, 4(2):397-413 (2011) |  |
|  |  | **Research article** |
| 212. | vonHoldt BM, Pollinger JP, Earl DA, Knowles JC, Boyko AR, Parker H, Geffen E, Pilot M, Jedrzejewski W, Jedrzejewska B, Sidorovich V, Greco C, Randi E, Musiani M, Kays R, Bustamante CD, Ostrander EA, Novembre J, Wayne RK. A genome-wide perspective on the evolutionary history of enigmatic wolf-like canids. Genome Res.2011. 21: 1294-1305 (2011) |  |
|  |  | **Research article** |
| 213. | Lorenzen ED, Nogués-Bravo D, Orlando L, Weinstock J, Binladen J, Marske KA, Ugan A, Borregaard MK, Gilbert MT, Nielsen R, Ho SY, Goebel T, Graf KE, Byers D, Stenderup JT, Rasmussen M, Campos PF, Leonard JA, Koepfli KP, Froese D, Zazula G, Stafford TW, Aaris-Sørensen K, Batra P, Haywood AM, Singarayer JS, Valdes PJ, Boeskorov G, Burns JA, Davydov SP, Haile J, Jenkins DL, Kosintsev P, Kuznetsova T, Lai X, Martin LD, McDonald HG, Mol D, Meldgaard M, Munch K, Stephan E, Sablin M, Sommer RS, Sipko T, Scott E, Suchard MA, Tikhonov A, Willerslev R, Wayne RK, Cooper A, Hofreiter M, Sher A, Shapiro B, Rahbek C, Willerslev E. Species-specific responses of late quaternary megafauna to climate and humans Nature doi:10.1038/nature10574 (2011) |  |
| 214. | Becker SE, Thomas R, Trifonov VA, Wayne RK, Graphodatsky AS, Breen M. Anchoring the dog to its relatives reveals new evolutionary breakpoints across 11 species of the Canidae and provides new clues for the role of B chromosomes Chromosome Res 19:685–708 (2011) | **Research article** |
| 215. | Smith, T.B., Thomassen, H.A. Freedman, A.H., Sehgal, R.N.M., Buermann, W., Saatchi, S., Pollinger, J., Mil ̈¢, B., Pires, D., Valki ̈±nas, G. and R.K. Wayne, "Patterns of divergence in the olive sunbird Cyanomitra olivacea (Aves: Nectariniidae) across the African rainforest ̈Csavanna ecotone", Biological Journal of the Linnean Society, 103:821 - 835 (2011) | **Research article** |
| 216 | Milá, B., Toews, D.P.L. Smith, T.B. and R.K. Wayne, "A cryptic contact zone between divergent mitochondrial DNA lineages in southwestern North America supports past introgressive hybridization in the yellow-rumped warbler complex (Aves: Dendroica coronata)", Biological Journal of the Linnean Society, 103:696 - 706 (2011) | **Research article** |
| 217 | Oliveras de Ita, A., Oyama, K., Smith, T.B., Wayne R.K. and B. Milá., "Genetic evidence for recent range fragmentation and severely restricted dispersal in the critically endangered Sierra Madre Sparrow, Xenospiza baileyi", Conserv Genet, (2011) DOI 10.1007/s10592-011-0283-0 (Published online ahead of print) | **Research article** |
| 218 | Geffen, E., Kam, M., Hefner, R., Hersteinsson, P., Angerbjörn, A., Dalèn, L., Fuglei, E., Norèn, K., Adams, J.R., Vucetich, J., Meier, T.J., Mech, L.D., Vonholdt, B.M., Stahler, D.R., and Wayne, R.K., "Kin encounter rate and inbreeding avoidance in canids", Molecular Ecology, (2011) doi: 10.1111/j.1365-294X.2011.05358.x (Published online ahead of print) | **Research article** |
| 219 | Oster, M., Pollinger, J.P., Stahler, D.R. and R.K. Wayne., "Optimization of RNA isolation and leukocyte viability in canid RNA expression studies", Conservation Genetics Resources, (2011) DOI: 10.1007/s12686-011-9465-9 (Published online ahead of print) | **Research article** |

|  |  |  |  |
| --- | --- | --- | --- |
| 220. | Coulson T., MacNulty DR, Stahler DR, vonHoldt BM, & Wayne RK, Smith DW. “Modeling Effects of Environmental Change on Wolf Population Dynamics, Trait Evolution, and Life History”, Science 334: 1275- 1278. (2011) | | **Research article** |
|  |  | |  |
| 221. | vonHoldt, BM.; Gray, MM.; & Wayne, RK. “Genome-Wide Approaches for the Study of Dog Domestication.” In: BIODIVERSITY IN AGRICULTURE: DOMESTICATION, EVOLUTION, AND SUSTAINABILITY Eds. [Gepts, P](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=ED&value=Gepts,%20P); [Famula, TR](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=ED&value=Famula,%20TR); [Bettinger, RL](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=ED&value=Bettinger,%20RL); [Brush, SB](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=ED&value=Brush,%20SB); [Damania, AB](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=ED&value=Damania,%20AB); [McGuire, PE](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=ED&value=McGuire,%20PE); [Qualset, CO](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=ED&value=Qualset,%20CO). CAMBRIDGE UNIV PRESS pages 275-298 (2012 | | **Research article** |
|  |  | |  |
| 222. | [Olson LE](http://www.ncbi.nlm.nih.gov/pubmed?term=Olson%20LE%5BAuthor%5D&cauthor=true&cauthor_uid=22145620), [Blumstein DT](http://www.ncbi.nlm.nih.gov/pubmed?term=Blumstein%20DT%5BAuthor%5D&cauthor=true&cauthor_uid=22145620), [Pollinger JR](http://www.ncbi.nlm.nih.gov/pubmed?term=Pollinger%20JR%5BAuthor%5D&cauthor=true&cauthor_uid=22145620), & Wayne RK. “No evidence of inbreeding avoidance despite demonstrated survival costs in a polygynous rodent” [Mol Ecol.](http://www.ncbi.nlm.nih.gov/pubmed/?term=No+evidence+of+inbreeding+avoidance+despite+demonstrated+survival+costs+in+a+polygynous+rodent) 21(3):562-71. (2012) | | **Research article** |
|  |  | |  |
| 223. | [de Ita, AO](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=de%20Ita,%20AO); [Oyama, K](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Oyama,%20K); [Smith, TB](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Smith,%20TB&dais_id=2318601&excludeEventConfig=ExcludeIfFromFullRecPage); Wayne RK; & Mila, B. “Genetic evidence for recent range fragmentation and severely restricted dispersal in the critically endangered Sierra Madre Sparrow, *Xenospiza baileyi*” Cons. Genet. 13:283-291 (2012). | | **Research article** |
|  |  | |  |
| 224. | Marsden CD, [Woodroffe R](http://www.ncbi.nlm.nih.gov/pubmed?term=Woodroffe%20R%5BAuthor%5D&cauthor=true&cauthor_uid=22320891), [Mills MG](http://www.ncbi.nlm.nih.gov/pubmed?term=Mills%20MG%5BAuthor%5D&cauthor=true&cauthor_uid=22320891), [McNutt JW](http://www.ncbi.nlm.nih.gov/pubmed?term=McNutt%20JW%5BAuthor%5D&cauthor=true&cauthor_uid=22320891), [Creel S](http://www.ncbi.nlm.nih.gov/pubmed?term=Creel%20S%5BAuthor%5D&cauthor=true&cauthor_uid=22320891), Groom R, [Emmanuel M](http://www.ncbi.nlm.nih.gov/pubmed?term=Emmanuel%20M%5BAuthor%5D&cauthor=true&cauthor_uid=22320891), [Cleaveland S](http://www.ncbi.nlm.nih.gov/pubmed?term=Cleaveland%20S%5BAuthor%5D&cauthor=true&cauthor_uid=22320891), [Kat P](http://www.ncbi.nlm.nih.gov/pubmed?term=Kat%20P%5BAuthor%5D&cauthor=true&cauthor_uid=22320891), [Rasmussen GS](http://www.ncbi.nlm.nih.gov/pubmed?term=Rasmussen%20GS%5BAuthor%5D&cauthor=true&cauthor_uid=22320891), [Ginsberg J](http://www.ncbi.nlm.nih.gov/pubmed?term=Ginsberg%20J%5BAuthor%5D&cauthor=true&cauthor_uid=22320891), [Lines R](http://www.ncbi.nlm.nih.gov/pubmed?term=Lines%20R%5BAuthor%5D&cauthor=true&cauthor_uid=22320891), [André JM](http://www.ncbi.nlm.nih.gov/pubmed?term=Andr%C3%A9%20JM%5BAuthor%5D&cauthor=true&cauthor_uid=22320891), [Begg C](http://www.ncbi.nlm.nih.gov/pubmed?term=Begg%20C%5BAuthor%5D&cauthor=true&cauthor_uid=22320891), [Wayne RK](http://www.ncbi.nlm.nih.gov/pubmed?term=Wayne%20RK%5BAuthor%5D&cauthor=true&cauthor_uid=22320891), & Mable BK. “Spatial and temporal patterns of neutral and adaptive genetic variation in the endangered African wild dog (*Lycaon pictus*)”. [Mol Ecol.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Spatial+and+temporal+patterns+of+neutral+and+adaptive+genetic+variation+in+the+endangered+African+wild+dog+%28Lycaon+pictus%29) 21(6):1379-93. (2012) | | **Research article** |
| 225. | Marsden, CD; Wayne RK; & Mable, BK. “Inferring the ancestry of African wild dogs that returned to the Serengeti-Mara”. [CONSERVATION GENETICS](javascript:;)  13: 525-533. (2012) | | **Research article** |
|  |  | |  |
| 226. | [MacDonald, GM](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=MacDonald,%20GM&dais_id=2132600&excludeEventConfig=ExcludeIfFromFullRecPage); [Beilman, DW](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Beilman,%20DW&dais_id=11386816&excludeEventConfig=ExcludeIfFromFullRecPage); [Kuzmin, YV](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Kuzmin,%20YV&dais_id=16428043&excludeEventConfig=ExcludeIfFromFullRecPage); [Orlova, LA](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Orlova,%20LA&dais_id=16420486&excludeEventConfig=ExcludeIfFromFullRecPage); [Kremenetski, KV](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Kremenetski,%20KV&dais_id=12306243&excludeEventConfig=ExcludeIfFromFullRecPage); [Shapiro, B](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Shapiro,%20B&dais_id=1476656&excludeEventConfig=ExcludeIfFromFullRecPage); [Wayne, RK](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Wayne,%20RK&dais_id=14665599&excludeEventConfig=ExcludeIfFromFullRecPage); [Van Valkenburgh, B](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Van%20Valkenburgh,%20B).  “Pattern of extinction of the woolly mammoth in Beringia” [NATURE COMMUNICATIONS](javascript:;" \o "View journal information)   3: 893 (7 pages) DOI: 10.1038/ncomms1881  (2012) | | **Research article** |
|  |  | |  |
| 227. | [Schwochow, D](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Schwochow,%20D); [Serieys, LEK](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Serieys,%20LEK); [Wayne, RK](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Wayne,%20RK); & Thalmann, O,”Efficient recovery of whole blood RNA - a comparison of commercial RNA extraction protocols for high-throughput applications in wildlife species” BMC BIOTECHNOLOGY   12, Article Number: 33 (2012). | | **Research article** |
|  |  | |  |
| 228. | Schoenebeck JJ, Hutchinson SA, Byers A, Beale HC, Carrington B, Faden DL, Rimbault M, Decker B, Kidd JM, Sood R, Boyko AR, Fondon III JW, Wayne RK, Bustamante CD, Ciruna B, & Ostrander EA. “Variation of *BMP3* Contributes to Dog Breed Skull Diversity”. PLoS Genet 8(8): e1002849. doi:10.1371/journal.pgen.1002849. (2012). | | **Research article** |
|  |  | |  |
| 229. | Koblmueller, S; Wayne, RK.; Leonard, JA. “Impact of Quaternary climatic changes and interspecific competition on the demographic history of a highly mobile generalist carnivore, the coyote”. [BIOLOGY LETTERS](javascript:;)   8:644-647  (2012) | | **Research article** |
|  |  | |  |
| 230. | [Amorim, IR](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Amorim,%20IR&dais_id=6083006&excludeEventConfig=ExcludeIfFromFullRecPage); [Emerson, BC](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Emerson,%20BC&dais_id=4650823&excludeEventConfig=ExcludeIfFromFullRecPage); [Borges, PAV](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Borges,%20PAV&dais_id=16027246&excludeEventConfig=ExcludeIfFromFullRecPage); & [Wayne, RK](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Wayne,%20RK&dais_id=14665599&excludeEventConfig=ExcludeIfFromFullRecPage). “Phylogeography and molecular phylogeny of Macaronesian island Tarphius (Coleoptera: Zopheridae): why are there so few species in the Azores?” [JOURNAL OF BIOGEOGRAPHY](javascript:;)   39:1583-1595 (2012). | | **Research article** |
|  |  | |  |
| 231. | [Stahler, DR](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Stahler,%20DR&dais_id=14707344&excludeEventConfig=ExcludeIfFromFullRecPage); [MacNulty, DR](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=MacNulty,%20DR&dais_id=13047289&excludeEventConfig=ExcludeIfFromFullRecPage); [Wayne, RK](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Wayne,%20RK&dais_id=14665599&excludeEventConfig=ExcludeIfFromFullRecPage); [vonHoldt, B](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=vonHoldt,%20B); & Smith, DW. “The adaptive value of morphological, behavioural and life-history traits in reproductive female wolves”. [JOURNAL OF ANIMAL ECOLOGY](javascript:;)   82: 222-234  (2013) | | **Research article** |
|  |  | |  |
| 232. | [Kapheim, KM](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Kapheim,%20KM); [Smith, AR](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Smith,%20AR); [Nonacs, P](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Nonacs,%20P&dais_id=12768412&excludeEventConfig=ExcludeIfFromFullRecPage); [Wcislo, WT](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Wcislo,%20WT&dais_id=14665900&excludeEventConfig=ExcludeIfFromFullRecPage); & [Wayne, RK](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Wayne,%20RK&dais_id=14665599&excludeEventConfig=ExcludeIfFromFullRecPage). “Foundress polyphenism and the origins of eusociality in a facultatively eusocial sweat bee, Megalopta genalis (Halictidae)” [BEHAVIORAL ECOLOGY AND SOCIOBIOLOGY](javascript:;)   67: 331-340 (2013) | | **Research article** |
|  |  | |  |
| 233. | [Marsden, CD](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Marsden,%20CD); Verberkmoes, H; [Thomas, R](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Thomas,%20R); [Wayne, RK](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Wayne,%20RK&dais_id=14665599&excludeEventConfig=ExcludeIfFromFullRecPage); & Mable, BK. “Pedigrees, MHC and microsatellites: an integrated approach for genetic management of captive African wild dogs (*Lycaon pictus*)” [CONSERVATION GENETICS](javascript:;)   14:71-183 (2013) | | **Research article** |
|  |  | |  |
| 234. | [vonHoldt, BM](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=vonHoldt,%20BM); [Pollinger, JP](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Pollinger,%20JP&dais_id=13497659&excludeEventConfig=ExcludeIfFromFullRecPage); [Earl, DA](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Earl,%20DA); [Parker, HG](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Parker,%20HG&dais_id=7050702&excludeEventConfig=ExcludeIfFromFullRecPage); [Ostrander, EA](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Ostrander,%20EA&dais_id=12909829&excludeEventConfig=ExcludeIfFromFullRecPage); & [Wayne, RK](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Wayne,%20RK&dais_id=14665599&excludeEventConfig=ExcludeIfFromFullRecPage) “[Identification of recent hybridization between gray wolves and domesticated dogs by SNP genotyping](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=1ASAkcKbadXvdwCcGjv&page=2&doc=16)”. [MAMMALIAN GENOME](javascript:;)  24: 80-88  (2013). | | **Research article** |
|  |  | |  |
| 235. | [Karyadi, DM](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Karyadi,%20DM); [Karlins, E](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Karlins,%20E); [Decker, B](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Decker,%20B); [vonHoldt, BM](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=vonHoldt,%20BM);; [Parker, HG](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Parker,%20HG&dais_id=7050702&excludeEventConfig=ExcludeIfFromFullRecPage); [Wayne, RK](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Wayne,%20RK&dais_id=14665599&excludeEventConfig=ExcludeIfFromFullRecPage); & Ostrander, EAA. “Copy Number Variant at the KITLG Locus Likely Confers Risk for Canine Squamous Cell Carcinoma of the Digit” [PLOS GENETICS](javascript:;)   9:3     Article Number: e1003409   Published: (2013) | | **Research article** |
|  |  | |  |
| 236. | Druzhkova, AS; [Thalmann, O](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Thalmann,%20O); [Trifonov, VA](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Trifonov,%20VA&dais_id=14138233&excludeEventConfig=ExcludeIfFromFullRecPage); [Leonard, JA](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Leonard,%20JA&dais_id=1370321&excludeEventConfig=ExcludeIfFromFullRecPage); [Vorobieva, NV](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Vorobieva,%20NV&dais_id=15001675&excludeEventConfig=ExcludeIfFromFullRecPage); [Ovodov, ND](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Ovodov,%20ND); [Graphodatsky, AS](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Graphodatsky,%20AS&dais_id=16075858&excludeEventConfig=ExcludeIfFromFullRecPage); & [Wayne, RK](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Wayne,%20RK&dais_id=14665599&excludeEventConfig=ExcludeIfFromFullRecPage) “Ancient DNA Analysis Affirms the Canid from Altai as a Primitive Dog” [PLOS ONE](javascript:;)   8   Issue: 3  Article Number: (2013) | | **Research article** |
|  |  | |  |
| 237. | [Fuller, TL](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Fuller,%20TL&dais_id=16431564&excludeEventConfig=ExcludeIfFromFullRecPage); [Thomassen, HA](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Thomassen,%20HA); [Peralvo, M](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Peralvo,%20M); [Buermann, W](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Buermann,%20W); [Mila, B](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Mila,%20B&dais_id=13363794&excludeEventConfig=ExcludeIfFromFullRecPage); [Kieswetter, CM](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Kieswetter,%20CM); [Jarrin-V, P](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Jarrin-V,%20P); [Devitt, SEC](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Devitt,%20SEC); [Mason, E](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Mason,%20E); [Schweizer, RM](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Schweizer,%20RM); [Schlunegger, J](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Schlunegger,%20J); [Chan, J](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Chan,%20J); [Wang, O](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Wang,%20O); [Schneider, CJ](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Schneider,%20CJ&dais_id=1157523&excludeEventConfig=ExcludeIfFromFullRecPage); [Pollinger, JP](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Pollinger,%20JP&dais_id=13497659&excludeEventConfig=ExcludeIfFromFullRecPage); [Saatchi, S](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Saatchi,%20S); [Graham, CH](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Graham,%20CH&dais_id=1775419&excludeEventConfig=ExcludeIfFromFullRecPage); [Wayne, RK](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Wayne,%20RK&dais_id=14665599&excludeEventConfig=ExcludeIfFromFullRecPage); & Smith, TB. “Intraspecific morphological and genetic variation of common species predicts ranges of threatened ones [PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES](javascript:;" \o "View journal information)   280   Issue: 1760     Article Number: 20130423   (2013) | | **Research article** |
|  |  | |  |
| 238. | [Li, Y](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Li,%20Y&dais_id=15834574&excludeEventConfig=ExcludeIfFromFullRecPage); [vonHoldt, BM](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=vonHoldt,%20BM); [Reynolds, A](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Reynolds,%20A); [Boyko, AR](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Boyko,%20AR); [Wayne, RK](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Wayne,%20RK&dais_id=14665599&excludeEventConfig=ExcludeIfFromFullRecPage); [Wu, DD](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Wu,%20DD); and Zhang, YP “Artificial Selection on Brain-Expressed Genes during the Domestication of Dog”. Molecular Biology and Evolution   30: 1867-1876   (2013) | | **Research article** |
|  |  | |  |
| 239. | Thalmann, O. B. Shapiro, P. Cui, V. J. Schuenemann, S. K. Sawyer, D. L. Greenfield, M. B. Germonpré, M. V. Sablin, F. López-Giráldez, X. Domingo-Roura, H. Napierala, H-P. Uerpmann, D. M. Loponte, A. A. Acosta, L. Giemsch, R. W. Schmitz, B. Worthington, J. E. Buikstra, A. Druzhkova, A. S. Graphodatsky, N. D. Ovodov, N. Wahlberg, A. H. Freedman, R. M. Schweizer, K.-P. Koepfli, J. A. Leonard, M. Meyer, J. Krause, S. Pääbo, R. E. Green, & Wayne RK. “Complete Mitochondrial Genomes of Ancient Canids Suggest a European Origin of Domestic Dogs”. Science, 342: 871-874. (2013) | | **Research article** |
|  |  | |  |
| 240. | [Rimbault, M](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Rimbault,%20M); [Beale, HC](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Beale,%20HC); [Schoenebeck, JJ](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Schoenebeck,%20JJ); [Hoopes, BC](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Hoopes,%20BC); [Allen, JJ](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Allen,%20JJ); [Kilroy-Glynn, P](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&field=AU&value=Kilroy-Glynn,%20P) ; [Wayne, RK](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Wayne,%20RK&dais_id=14665599&excludeEventConfig=ExcludeIfFromFullRecPage); [Sutter, NB](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=1ASAkcKbadXvdwCcGjv&author_name=Sutter,%20NB&dais_id=13774436&excludeEventConfig=ExcludeIfFromFullRecPage); & Ostrander, EA. “ Derived variants at six genes explain nearly half of size reduction in dog breeds”. Genome Research   23: 1985-1995 (2013) | | **Research article** |
|  |  | |  |
| 241. | [Roy M](http://www.ncbi.nlm.nih.gov/pubmed?term=Roy%20M%5BAuthor%5D&cauthor=true&cauthor_uid=24202129), [Kim N](http://www.ncbi.nlm.nih.gov/pubmed?term=Kim%20N%5BAuthor%5D&cauthor=true&cauthor_uid=24202129), [Kim K](http://www.ncbi.nlm.nih.gov/pubmed?term=Kim%20K%5BAuthor%5D&cauthor=true&cauthor_uid=24202129), [Chung WH](http://www.ncbi.nlm.nih.gov/pubmed?term=Chung%20WH%5BAuthor%5D&cauthor=true&cauthor_uid=24202129), [Achawanantakun R](http://www.ncbi.nlm.nih.gov/pubmed?term=Achawanantakun%20R%5BAuthor%5D&cauthor=true&cauthor_uid=24202129), [Sun Y](http://www.ncbi.nlm.nih.gov/pubmed?term=Sun%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=24202129), & Wayne RK. “Analysis of the canine brain transcriptome with an emphasis on the hypothalamus and cerebral cortex”. Mammalian Genome 11:484-99. (2013) | | **Refereed review** |
|  |  | |  |
| 242. | Pease KM & Wayne RK. “Divergent responses of exposed and naive Pacific tree frog tadpoles to invasive predatory crayfish”. [Oecologia.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Divergent+responses+of+exposed+and+naive+Pacific+tree+frog+tadpoles+to+invasive+predatory+crayfish) 174(1):241-52 (2014) | |  |
| 243. | [Riley SP](http://www.ncbi.nlm.nih.gov/pubmed?term=Riley%20SP%5BAuthor%5D&cauthor=true&cauthor_uid=25131676), Serieys LE, [Pollinger JP](http://www.ncbi.nlm.nih.gov/pubmed?term=Pollinger%20JP%5BAuthor%5D&cauthor=true&cauthor_uid=25131676), Sikich JA, [Dalbeck L](http://www.ncbi.nlm.nih.gov/pubmed?term=Dalbeck%20L%5BAuthor%5D&cauthor=true&cauthor_uid=25131676), [Wayne RK](http://www.ncbi.nlm.nih.gov/pubmed?term=Wayne%20RK%5BAuthor%5D&cauthor=true&cauthor_uid=25131676) & Ernest HB. “Individual behaviors dominate the dynamics of an urban mountain lion population isolated by road”. [Curr Biol.](http://www.ncbi.nlm.nih.gov/pubmed/25131676) 8:1989-94 (2014). | | **Research article** |
|  |  | |  |
| 244. | Zhang W, [Fan Z](http://www.ncbi.nlm.nih.gov/pubmed?term=Fan%20Z%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), [Han E](http://www.ncbi.nlm.nih.gov/pubmed?term=Han%20E%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), [Hou R](http://www.ncbi.nlm.nih.gov/pubmed?term=Hou%20R%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), [Zhang L](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhang%20L%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), [Galaverni M](http://www.ncbi.nlm.nih.gov/pubmed?term=Galaverni%20M%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), [Huang J](http://www.ncbi.nlm.nih.gov/pubmed?term=Huang%20J%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), [Liu H](http://www.ncbi.nlm.nih.gov/pubmed?term=Liu%20H%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), [Silva P](http://www.ncbi.nlm.nih.gov/pubmed?term=Silva%20P%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), [Li P](http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20P%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), [Pollinger JP](http://www.ncbi.nlm.nih.gov/pubmed?term=Pollinger%20JP%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), Du L, [Zhang X](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhang%20X%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), [Yue B](http://www.ncbi.nlm.nih.gov/pubmed?term=Yue%20B%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), [Wayne RK](http://www.ncbi.nlm.nih.gov/pubmed?term=Wayne%20RK%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), [Zhang Z](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhang%20Z%5BAuthor%5D&cauthor=true&cauthor_uid=25078401). “Hypoxia adaptations in the grey wolf (*Canis lupus chanco*) from Qinghai-Tibet Plateau”. PLoS Genet. doi: 10.1371/journal.pgen. (2014) | | **Research article** |
|  |  | |  |
| 245. | [Ramirez O](http://www.ncbi.nlm.nih.gov/pubmed?term=Ramirez%20O%5BAuthor%5D&cauthor=true&cauthor_uid=24923435), [Olalde I](http://www.ncbi.nlm.nih.gov/pubmed?term=Olalde%20I%5BAuthor%5D&cauthor=true&cauthor_uid=24923435), [Berglund J](http://www.ncbi.nlm.nih.gov/pubmed?term=Berglund%20J%5BAuthor%5D&cauthor=true&cauthor_uid=24923435), [Lorente-Galdos B](http://www.ncbi.nlm.nih.gov/pubmed?term=Lorente-Galdos%20B%5BAuthor%5D&cauthor=true&cauthor_uid=24923435), Hernandez-Rodriguez J, [Quilez J](http://www.ncbi.nlm.nih.gov/pubmed?term=Quilez%20J%5BAuthor%5D&cauthor=true&cauthor_uid=24923435), Webster MT, [Wayne RK](http://www.ncbi.nlm.nih.gov/pubmed?term=Wayne%20RK%5BAuthor%5D&cauthor=true&cauthor_uid=24923435), [Lalueza-Fox C](http://www.ncbi.nlm.nih.gov/pubmed?term=Lalueza-Fox%20C%5BAuthor%5D&cauthor=true&cauthor_uid=24923435), [Vilà C](http://www.ncbi.nlm.nih.gov/pubmed?term=Vil%C3%A0%20C%5BAuthor%5D&cauthor=true&cauthor_uid=24923435), & Marques-Bonet T. “Analysis of structural diversity in wolf-like canids reveals post-domestication variants BMC Genomics”. doi: 10.1186/1471-2164-15-465. (2014) | | **Research article** |
|  |  | |  |
| 246. | Quan, AS; [Pease, KM](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=4DiGqrCIYu3djPIumiI&field=AU&value=Pease,%20KM), [Breinholt, JW](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=4DiGqrCIYu3djPIumiI&field=AU&value=Breinholt,%20JW), & [Wayne, RK](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=4DiGqrCIYu3djPIumiI&field=AU&value=Wayne,%20RK). “Origins of the invasive red swamp crayfish (*Procambarus clarkii*) in the Santa Monica Mountains”. Aquatic Invasions. 9: 211-219. (2014). | | **Research article** |
|  |  | |  |
| 247. | [Pilot M](http://www.ncbi.nlm.nih.gov/pubmed?term=Pilot%20M%5BAuthor%5D&cauthor=true&cauthor_uid=24346500), [Greco C](http://www.ncbi.nlm.nih.gov/pubmed?term=Greco%20C%5BAuthor%5D&cauthor=true&cauthor_uid=24346500), [vonHoldt BM](http://www.ncbi.nlm.nih.gov/pubmed?term=vonHoldt%20BM%5BAuthor%5D&cauthor=true&cauthor_uid=24346500), [Jędrzejewska B](http://www.ncbi.nlm.nih.gov/pubmed?term=J%C4%99drzejewska%20B%5BAuthor%5D&cauthor=true&cauthor_uid=24346500), [Randi E](http://www.ncbi.nlm.nih.gov/pubmed?term=Randi%20E%5BAuthor%5D&cauthor=true&cauthor_uid=24346500), [Jędrzejewski W](http://www.ncbi.nlm.nih.gov/pubmed?term=J%C4%99drzejewski%20W%5BAuthor%5D&cauthor=true&cauthor_uid=24346500), Sidorovich VE, [Ostrander EA](http://www.ncbi.nlm.nih.gov/pubmed?term=Ostrander%20EA%5BAuthor%5D&cauthor=true&cauthor_uid=24346500) & Wayne RK. “Genome-wide signatures of population bottlenecks and diversifying selection in European wolves”. Heredity (Edinb) 112(4):428-42. (2014) | |  |
| 248. | Price SL, [Powell S](http://www.ncbi.nlm.nih.gov/pubmed?term=Powell%20S%5BAuthor%5D&cauthor=true&cauthor_uid=24417316), [Kronauer DJ](http://www.ncbi.nlm.nih.gov/pubmed?term=Kronauer%20DJ%5BAuthor%5D&cauthor=true&cauthor_uid=24417316), [Tran LA](http://www.ncbi.nlm.nih.gov/pubmed?term=Tran%20LA%5BAuthor%5D&cauthor=true&cauthor_uid=24417316), [Pierce NE](http://www.ncbi.nlm.nih.gov/pubmed?term=Pierce%20NE%5BAuthor%5D&cauthor=true&cauthor_uid=24417316) & [Wayne RK](http://www.ncbi.nlm.nih.gov/pubmed?term=Wayne%20RK%5BAuthor%5D&cauthor=true&cauthor_uid=24417316). “Renewed diversification is associated with new ecological opportunity in the Neotropical turtle ants”. [J Evol Biol.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Renewed+diversification+is+associated+with+new+ecological+opportunity+in+the+Neotropical+turtle+ants) 27(2):242-58. (2014) | | **Research article** |
|  |  | |  |
| 249. | Freedman AH, Gronau I, Schweizer RM, Ortega-Del Vecchyo D, Han E, Silva PM, Galaverni M, Fan Z, Marx P, Lorente-Galdos B, Beale H, Ramirez O, Hormozdiari F, Alkan C, Vilà C, Squire K, Geffen E, Kusak J, Boyko AR, Parker HG, Lee C, Tadigotla V, Siepel A, Bustamante CD, Harkins TT, Nelson SF, Ostrander EA, Marques-Bonet T, [Wayne RK](http://www.ncbi.nlm.nih.gov/pubmed?term=Wayne%20RK%5BAuthor%5D&cauthor=true&cauthor_uid=25078401), & Novembre J. “Genome Sequencing Highlights the Dynamic Early History of Dogs”. *PLoS Genet* 10:e1004016. doi: 10.1371/journal.pgen.1004016. (2014) | | **Research article** |
|  |  | |  |
| 250. | Serieys, LEK; Lea, A; Pollinger, JP; Riley, SPD; Wayne, RK. “Disease and freeways drive genetic change in urban bobcat populations” [Evol Appl.](https://www.ncbi.nlm.nih.gov/pubmed/25667604) 2015 Jan;8(1):75-92. doi: 10.1111/eva.12226. Epub 2014 Dec 2. (2015) | | **Research article** |
|  |  | |  |
| 251. | Kapheim, KM; Nonacs, P; Smith, AR; Wayne, RK; Wcislo, WT. “Kinship, parental manipulation and evolutionary origins of eusociality”. Proceedings of the Royal Society B. 282: 20142886. <http://dx.doi.org/10.1098/rspb.2014.2886> (2015) | | **Research article** |
|  |  | |  |
| 252 | Lonsinger, RC; Schweizer, RM; Pollinger, JP; Wayne, RK; Roemer, GW. “Fine-scale genetic structure of the ringtail (Bassariscus astutus) in a Sky Island mountain range”. *Journal of Mammalogy*. 96:257-268. (2015) | | **Research article** |
|  |  | |  |
| 253. | Serieys, LEK; Armenta, TC; Moriarty, JG; Boydston, EE; Lyren, LM; Poppenga, R; Crooks, KR; Wayne, RK; Riley, SPD. “Anticoagulant rodenticides in urban bobcats: exposure, risk factors and potential effects based on a 16-year study”. [Ecotoxicology.](https://www.ncbi.nlm.nih.gov/pubmed/25707484) doi: 10.1007/s10646-015-1429-5. Epub 2015 Feb 25 (2015) | | **Refereed article** |
|  |  | |  |
| 254. | Hendricks, SA; Charruau, PC; Pollinger, JP; Callas, R; Figura, PJ; Wayne, RK. “Polyphyletic ancestry of historic gray wolves inhabiting US Pacific states”. CONSERVATION GENETICS. 16:759–764 (2015) | | **Refereed article** |
|  |  | |  |
| 255. | Fredrickson, RJ; Hedrick, PW; Wayne, RK; vonHoldt, BM; Phillips, MK. Mexican Wolves Are a Valid Subspecies and an Appropriate Conservation Target. *Journal of Heredity*. 106:415-416. (2015) | | **Refereed letter** |
|  |  | |  |
| 256. | Koepfli, KP; Pollinger, J; Godinho, R; Robinson, J; Lea, A; Hendricks, S; Schweizer, RM; Thalmann, O; Silva, P; Fan, ZX; Yurchenko, AA; Dobrynin, P; Makunin, A; Cahill, JA; Shapiro, B; Alvares, F; Brito, JC; Geffen, E; Leonard, JA; Helgen, KM; Johnson, WE; O'Brien, SJ; Van Valkenburgh, B; Wayne, RK.. “Genome-wide Evidence Reveals that African and Eurasian Golden Jackals Are Distinct Species”. *Current Biology* 25:2158-2165. (2015) | | **Research article** |
|  |  | |  |
| 257. | Decker, B; Davis, BW; Rimbault, M; Long, AH; Karlins, E; Jagannathan, V; Reiman, R; Parker, HG; Drogemuller, C; Corneveaux, JJ; Chapman, ES; Trent, JM; Leeb, T; Huentelman, MJ; Wayne, RK; Karyadi, DM; Ostranderl, EA. “Comparison against 186 canid whole-genome sequences reveals survival strategies of an ancient clonally transmissible canine tumor”. *Genome Research.* (2015) | | **Research article** |
|  |  | |  |
| 258. | Schweizer RM, [vonHoldt BM](https://academictree.org/evolution/publications.php?pid=189410), Harrigan R, Knowles JC, Musiani M, [Coltman D](https://academictree.org/evolution/publications.php?pid=536103), Novembre J, Wayne RK. Genetic subdivision and candidate genes under selection in North American gray wolves. Molecular Ecology. PMID [26333947](http://www.ncbi.nlm.nih.gov/pubmed/26333947" \t "_blank) DOI: [10.1111/mec.13364](http://doi.org/10.1111/mec.13364" \t "_blank)  (2015) | | **Research article** |
|  |  | |  |
| 259. | Schweizer RM, Robinson J, Harrigan R, Silva P, Galverni M, Musiani M, Green RE, Novembre J, Wayne RK. Targeted capture and resequencing of 1040 genes reveal environmentally driven functional variation in gray wolves. Molecular Ecology. PMID [26562361](http://www.ncbi.nlm.nih.gov/pubmed/26562361" \t "_blank) DOI: [10.1111/mec.13467](http://doi.org/10.1111/mec.13467" \t "_blank) (2015) | | **Research article** |
|  |  | |  |
| 260. | Marsden CD, Ortega-Del Vecchyo D, O'Brien DP, [Taylor JF](https://academictree.org/evolution/publications.php?pid=36164), Ramirez O, Vilà C, [Marques-Bonet T](https://academictree.org/evolution/publications.php?pid=73212), Schnabel RD, Wayne RK, [Lohmueller KE](https://academictree.org/evolution/publications.php?pid=189241). Bottlenecks and selective sweeps during domestication have increased deleterious genetic variation in dogs. Proceedings of the National Academy of Sciences of the United States of America. PMID [26699508](http://www.ncbi.nlm.nih.gov/pubmed/26699508" \t "_blank) DOI: [10.1073/pnas.1512501113](http://doi.org/10.1073/pnas.1512501113" \t "_blank)  (2015) | | **Research article** |
|  |  | |  |
| 261. | Fan, ZX; Silva, P; Gronau, I; Wang, SG; Armero, AS; Schweizer, RM; Ramirez, O; Pollinger, J; Galaverni, M; Del-Vecchyo, DO; Du, LM; Zhang, WP; Zhang, ZH; Xing, JC; Vila, C; Marques-Bonet, T; Godinho, R; Yue, BS; Wayne, RK. Worldwide patterns of genomic variation and admixture in gray wolves. Genome Research. PMID [26680994](http://www.ncbi.nlm.nih.gov/pubmed/26680994" \t "_blank) DOI: [10.1101/gr.197517.115](http://doi.org/10.1101/gr.197517.115" \t "_blank)  (2015). | | **Research article** |
|  |  | |  |
| 262. | Hendricks SA, Sesink Clee PR, Harrigan RJ, Pollinger JP, [Freedman AH](https://academictree.org/evolution/publications.php?pid=131865), Callas R, Figura PJ, Wayne RK. Re-defining historical geographic range in species with sparse records: Implications for the Mexican wolf reintroduction program Biological Conservation. 194: 48-57. DOI: [10.1016/j.biocon.2015.11.027](http://doi.org/10.1016/j.biocon.2015.11.027" \t "_blank) (2016). | | **Research article** |
|  |  | |  |
| 263. | Janowitz Koch I, Clark MM, Thompson MJ, Deere-Machemer KA, Wang J, Duarte L, Gnanadesikan GE, McCoy EL, Rubbi L, [Stahler DR](https://academictree.org/evolution/publications.php?pid=189412), Pellegrini M, [Ostrander EA](https://academictree.org/evolution/publications.php?pid=649247), Wayne RK, Sinsheimer JS, [vonHoldt BM](https://academictree.org/evolution/publications.php?pid=189410). The concerted impact of domestication and transposon insertions on methylation patterns between dogs and grey wolves. Molecular Ecology. 25: 1838-55. PMID [27112634](http://www.ncbi.nlm.nih.gov/pubmed/27112634" \t "_blank) DOI: [10.1111/mec.13480](http://doi.org/10.1111/mec.13480" \t "_blank)  (2016). | | **Research article** |
|  |  | |  |
| 264. | Freedman, AH; Schweizer, RM; Ortega-Del Vecchyo, D; Han, EJ; Davis, BW; Gronau, I; Silva, PM; Galaverni, M; Fan, ZX; Marx, P; Lorente-Galdos, B; Ramirez, O; Hormozdiari, F; Alkan, C; Vila, C; Squire, K; Geffen, E; Kusak, J; Boyko, AR; Parker, HG; Lee, C; Tadigotla, V; Siepel, A; Bustamante, CD; Harkins, TT; Nelson, SF; Marques-Bonet, T; Ostrander, EA; Wayne, RK; Novembre, J. | | **Research article** |
| . | Demographically-Based Evaluation of Genomic Regions under Selection in Domestic Dogs. Plos Genetics. 12: e1005851. PMID [26943675](http://www.ncbi.nlm.nih.gov/pubmed/26943675" \t "_blank) DOI: [10.1371/journal.pgen.1005851](http://doi.org/10.1371/journal.pgen.1005851" \t "_blank)  (2016). | |  |
|  |  | |  |
| 265. | Wayne RK, [Shaffer HB](https://academictree.org/evolution/publications.php?pid=36223). Hybridization and Endangered Species Protection in the Molecular Era. Molecular Ecology. PMID [27064931](http://www.ncbi.nlm.nih.gov/pubmed/27064931" \t "_blank) DOI: [10.1111/mec.13642](http://doi.org/10.1111/mec.13642" \t "_blank) (2016). | | **Reviewed commentary** |
|  |  | |  |
| 266. | vonHoldt BM, Kays RW, Pollinger JP, Wayne RK. Admixture mapping identifies introgressed genomic regions in North American canids. Molecular Ecology. PMID [27106273](http://www.ncbi.nlm.nih.gov/pubmed/27106273" \t "_blank) DOI: [10.1111/mec.13667](http://doi.org/10.1111/mec.13667" \t "_blank)  (2016). | | **Research article** |
|  |  | |  |
| 267. | Robinson JA, Ortega-Del Vecchyo D, Fan Z, Kim BY, [vonHoldt BM](https://academictree.org/evolution/publications.php?pid=189410), Marsden CD, [Lohmueller KE](https://academictree.org/evolution/publications.php?pid=189241), Wayne RK. Genomic Flatlining in the Endangered Island Fox. Current Biology : Cb. PMID [27112291](http://www.ncbi.nlm.nih.gov/pubmed/27112291" \t "_blank) DOI: [10.1016/j.cub.2016.02.062](http://doi.org/10.1016/j.cub.2016.02.062" \t "_blank)  (2016). | | **Research article** |
|  |  | |  |
| 268. | Charruau P, Johnston RA, [Stahler DR](https://academictree.org/evolution/publications.php?pid=189412), Lea A, [Snyder-Mackler N](https://academictree.org/evolution/publications.php?pid=86952), Smith DW, [vonHoldt BM](https://academictree.org/evolution/publications.php?pid=189410), Cole SW, [Tung J](https://academictree.org/evolution/publications.php?pid=120218), Wayne RK. Pervasive Effects of Aging on Gene Expression in Wild Wolves. Molecular Biology and Evolution. PMID [27189566](http://www.ncbi.nlm.nih.gov/pubmed/27189566" \t "_blank) DOI: [10.1093/molbev/msw072](http://doi.org/10.1093/molbev/msw072" \t "_blank) (2016). | |  |
|  |  | |
| 269. | Tchaicka L, Freitas TR, Bager A, Vidal SL, Lucherini M, Iriarte A, Novaro A, Geffen E, Garcez FS, Johnson WE, Wayne RK, Eizirik E. Molecular assessment of the phylogeny and biogeography of a recently diversified endemic group of South American canids (Mammalia: Carnivora: Canidae). Genetics and Molecular Biology. 0. PMID [27459260](http://www.ncbi.nlm.nih.gov/pubmed/27459260" \t "_blank) DOI: [10.1590/1678-4685-GMB-2015-0189](http://doi.org/10.1590/1678-4685-GMB-2015-0189" \t "_blank) (2016). | | **Research article** |
|  |  | |  |
| 270. | Johnston RA, [Paxton KL](https://academictree.org/evolution/publications.php?pid=691563), [Moore FR](https://academictree.org/evolution/publications.php?pid=691429), Wayne RK, [Smith TB](https://academictree.org/evolution/publications.php?pid=51774). Seasonal gene expression in a migratory songbird. Molecular Ecology. PMID [27747949](http://www.ncbi.nlm.nih.gov/pubmed/27747949" \t "_blank) DOI: [10.1111/mec.13879](http://doi.org/10.1111/mec.13879" \t "_blank)  (2016). | | **Research article** |
|  |  | |  |
| 271. | [vonHoldt BM](https://academictree.org/evolution/publications.php?pid=189410), Cahill JA, Fan Z, Gronau I, Robinson J, Pollinger JP, Shapiro B, Wall J, Wayne RK. Whole-genome sequence analysis shows that two endemic species of North American wolf are admixtures of the coyote and gray wolf. Science Advances. 2: e1501714. PMID [29713682](http://www.ncbi.nlm.nih.gov/pubmed/29713682" \t "_blank) DOI: [10.1126/sciadv.1501714](http://doi.org/10.1126/sciadv.1501714" \t "_blank) (2016). | | **Research article** |
|  |  | |  |
| 272. | Koblmuller, S; Vila, C; Lorente-Galdos, B; Dabad, M; Ramirez, O; Marques-Bonet, T; Wayne, RK; Leonard, JA. Whole mitochondrial genomes illuminate ancient intercontinental dispersals of grey wolves (Canis lupus). Journal of Biogeography 43:1728-1738. (2016) | | **Research article** |
|  |  | |  |
| 273. | Freedman, AH; Lohmueller, KE; Wayne, RK. Evolutionary History, Selective Sweeps, and Deleterious Variation in the Dog. Annual Review of Ecology, Evolution, and Systematics. 47:73-96. (2016). | | **Research article** |
|  |  | |  |
|  |  | |  |
| 274. | [vonHoldt BM](https://academictree.org/evolution/publications.php?pid=189410), Cahill JA, Gronau I, Shapiro B, Wall J, Wayne RK. Response to Hohenlohe et al. Science Advances. 3: e1701233. PMID [28630935](http://www.ncbi.nlm.nih.gov/pubmed/28630935" \t "_blank) DOI: [10.1126/sciadv.1701233](http://doi.org/10.1126/sciadv.1701233" \t "_blank)  (2017). | | **Letter** |
|  |  | |  |
| 275. | Thomassen HA, Harrigan RJ, Semple Delaney K, Riley SPD, Serieys LEK, Pease K, Wayne RK, [Smith TB](https://academictree.org/evolution/publications.php?pid=51774). Determining the drivers of population structure in a highly urbanized landscape to inform conservation planning. Conservation Biology : the Journal of the Society For Conservation Biology. PMID [28631859](http://www.ncbi.nlm.nih.gov/pubmed/28631859" \t "_blank) DOI: [10.1111/cobi.12969](http://doi.org/10.1111/cobi.12969" \t "_blank)  (2017). | | **Research article** |
|  |  | |  |
| 276. | vonHoldt B, Fan Z, Ortega-Del Vecchyo D, Wayne RK. EPAS1 variants in high altitude Tibetan wolves were selectively introgressed into highland dogs. Peerj. 5: e3522. PMID [28717592](http://www.ncbi.nlm.nih.gov/pubmed/28717592" \t "_blank) DOI: [10.7717/peerj.3522](http://doi.org/10.7717/peerj.3522" \t "_blank)  (2017). | | **Research article** |
|  |  | |  |
| 277. | Serres-Armero A, Povolotskaya IS, Quilez J, Ramirez O, Santpere G, Kuderna LFK, Hernandez-Rodriguez J, Fernandez-Callejo M, Gomez-Sanchez D, Freedman AH, Fan Z, Novembre J, Navarro A, Boyko A, Wayne R, et al. Similar genomic proportions of copy number variation within gray wolves and modern dog breeds inferred from whole genome sequencing. Bmc Genomics. 18: 977. PMID [29258433](http://www.ncbi.nlm.nih.gov/pubmed/29258433" \t "_blank) DOI: [10.1186/s12864-017-4318-x](http://doi.org/10.1186/s12864-017-4318-x" \t "_blank)  (2017). | | **Research article** |
|  |  | |  |
| 278. | Freedman, AH; Wayne, RK. Deciphering the Origin of Dogs: From Fossils to Genomes. Annual Review of Animal Biosciences. 5. 10.1146/annurev-animal-022114-110937. (2017) | | **Research article** |
|  |  | |  |
| 279. | Hendricks, SA; Koblmuller, S; Harrigan, RJ; Leonard, JA; Schweizer, RM; Vonholdt, BM; Kays, R; Wayne, RK. Defense of an Expanded Historical Range for the Mexican Wolf: A Comment on Heffelfinger et al. Journal of Wildlife Management. 81:1331-1333. (2018) | | **Comment** |
|  |  | |  |
| 280. | Ostrander, EA; Wayne, RK; Freedman, AH; Davis, BW. Demographic history, selection and functional diversity of the canine genome. [Nat Rev Genet.](https://www.ncbi.nlm.nih.gov/pubmed/28944780) 2017 Dec;18(12):705-720. doi: 10.1038/nrg.2017.67. Epub 2017 Sep 25. (2017) | | **Refereed review** |
|  | |  |  |
| 281. | Schweizer RM, Durvasula A, Smith J, Vohr SH, [Stahler DR](https://academictree.org/evolution/publications.php?pid=189412), Galaverni M, Thalmann O, Smith DW, Randi E, [Ostrander EA](https://academictree.org/evolution/publications.php?pid=649247), Green RE, Lohmueller KE, Novembre J, Wayne RK. Natural Selection and Origin of a Melanistic Allele in North American Gray Wolves. Molecular Biology and Evolution. 35: 1190-1209. PMID [29688543](http://www.ncbi.nlm.nih.gov/pubmed/29688543" \t "_blank) DOI: [10.1093/molbev/msy031](http://doi.org/10.1093/molbev/msy031" \t "_blank)  (2018) | | **Research article** |
|  |  | |  |
| 282. | [Nigenda-Morales SF, Hu Y, Beasley J, Ruiz-Piña HA, Valenzuela-Galván D, Wayne RK. Transcriptomic analysis of skin pigmentation variation in the Virginia opossum (Didelphis virginiana).](https://www.ncbi.nlm.nih.gov/pubmed/29742302) Mol Ecol. 2018 May 9. doi: 10.1111/mec.14712. | | **Research article** |
|  |  | |  |
| 283. | Serieys, LEK; Lea, AJ; Epeldegui, M; Armenta, TC; Moriarty, J; VandeWoude, S; Carver, S; Foley, J; Wayne, RK; Riley, SPD; Uittenbogaart, CH. Urbanization and anticoagulant poisons promote immune dysfunction in bobcats. Proc. R. Soc. B 285 (1871), 20172533 (2018) | | **Research article** |
|  |  | |  |
| 284. | Thomassen, HA; Harrigan, RJ; Semple Delaney, K; Riley, SPD; Serieys, LEK; Pease, K; Wayne, RK; Smith, TB. Determining the drivers of population structure in a highly urbanized landscape to inform conservation planning. CONSERVATION BIOLOGY 32:148-158. (2018) | | **Research article** |
|  |  | |  |
| 285. | Nigenda-Morales, SF; Harrigan, RJ; Wayne, RK. Playing by the rules? Phenotypic adaptation to temperate environments in an American marsupial. [PeerJ.](https://www.ncbi.nlm.nih.gov/pubmed/29607255) 2018 Mar 27;6:e4512. doi: 10.7717/peerj.4512. eCollection (2018) | | **Research article** |
|  |  | |  |
| 286. | [Fraser D](https://www.ncbi.nlm.nih.gov/pubmed/?term=Fraser%20D%5BAuthor%5D&cauthor=true&cauthor_uid=29427407), [Mouton A](https://www.ncbi.nlm.nih.gov/pubmed/?term=Mouton%20A%5BAuthor%5D&cauthor=true&cauthor_uid=29427407), [Serieys LEK](https://www.ncbi.nlm.nih.gov/pubmed/?term=Serieys%20LEK%5BAuthor%5D&cauthor=true&cauthor_uid=29427407), [Cole S](https://www.ncbi.nlm.nih.gov/pubmed/?term=Cole%20S%5BAuthor%5D&cauthor=true&cauthor_uid=29427407), [Carver S](https://www.ncbi.nlm.nih.gov/pubmed/?term=Carver%20S%5BAuthor%5D&cauthor=true&cauthor_uid=29427407), [Vandewoude S](https://www.ncbi.nlm.nih.gov/pubmed/?term=Vandewoude%20S%5BAuthor%5D&cauthor=true&cauthor_uid=29427407), [Lappin M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Lappin%20M%5BAuthor%5D&cauthor=true&cauthor_uid=29427407), [Riley SPD](https://www.ncbi.nlm.nih.gov/pubmed/?term=Riley%20SPD%5BAuthor%5D&cauthor=true&cauthor_uid=29427407), [Wayne R](https://www.ncbi.nlm.nih.gov/pubmed/?term=Wayne%20R%5BAuthor%5D&cauthor=true&cauthor_uid=29427407). Genome-wide expression reveals multiple systemic effects associated with detection of anticoagulant poisons in bobcats (Lynx rufus). Molecular Ecology. Mar;27(5):1170-1187. doi: 10.1111/mec.14531. Epub 2018 Mar 8. (2018) | | **Research article** |
| 287. | Pilot M, Greco C, vonHoldt BM, Randi E, Jędrzejewski W, Sidorovich VE, Ostrander EA, Wayne RK. Widespread, long‐term admixture between grey wolves and domestic dogs across Eurasia and its implications for the conservation status of hybrids. *Evol Appl*. 11:662–680. <https://doi.org/10.1111/eva.12595> (2018) | | **Research article** |
| 288. | Hendricks S, Schweizer R, Harrigan R, Pollinger J, Brown R, Paquet P, Darimont C, Adams J, Waits L, vonHoldt B, Hohenlohe P, Wayne R. Natural re*-*colonizationandadmixtureofwolves *(*Canis lupus*)* in the US Pacific Northwest*:* challengesfor theprotectionandmanagementofrareandendangered taxa*.* Heredity. https://doi.org/10.1038/s414 37-018-0094-x (2018) | | **Research article** |
| 289. | Robinson J, C Brown, B Kim, K Lohmueller, R Wayne, "Purging of strongly  deleterious mutations explains long-term persistence and absence of inbreeding depression in island foxes", Current Biology, 28:1 - 8 (2018) url:  doi.org/10.1016/j.cub.2018.08.06 (2018) | | **Research article** |
| 290. | Hendricks, SA, Schweizer RA, Wayne RK, "Conservation genomics illuminates the adaptive uniqueness of North American gray wolves", Conservation Genetics, <https://doi.org/10.1007/s10592-018-1118-z> (2018) | | **Referred**  **Review** |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |
|  |  | |  |