

CURRICULUM VITAE

Mary V. Ashley

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Education

B.A. (Biology), Kenyon College, Gambier, Ohio 1981 (cum laude)

Ph.D. (Biology), University of California at San Diego, La Jolla, California, 1986

Dissertation Title: Analysis of mitochondrial DNA polymorphisms among Channel Island deer mice,
Peromyscus maniculatus

Dissertation Advisor: Dr. Christopher Wills

Professional Experience

2003- **Professor**, Department of Biological Sciences, University of Illinois at Chicago

2006-present Research Associate, Chicago Botanic Garden (courtesy appointment)

2001-2002 **Sabbatical Fellow**, National Center for Ecological Analysis and Synthesis, Santa Barbara, California.

1998-2003 **Associate Professor**, Department of Biological Sciences, UIC.

1994-present Research Associate, Field Museum of Natural History (courtesy appointment)

1992-1998 **Assistant Professor**, Department of Biological Sciences, University of Illinois at Chicago.

1989-1992 **Assistant Professor**, Biology Department, Lake Forest College, Lake Forest, Illinois.

1987-1989 **Associate Research Scientist**, Anthropology Department, Columbia University, New York.
Principal Investigator: Dr. Don J. Melnick

1986-1987 **Postdoctoral Associate**, Department of Immunology and Medical Microbiology, University of Florida, Gainesville.

Principal Investigators: Dr. William W. Hauswirth and Dr. Phillip J. Laipis

Research Grants, Fellowships, and Contracts

Western National Parks Association, "Genetic Analysis of the endemic (?) Island Loggerhead Shrike," PI, (\$7,500), 2009.

Chicago Wilderness, "Genetic Characterization of Species, Invasion, and Hybridization: A Bittersweet Story," PI, (\$14,375), 2008-2009.

Chicago Wilderness, "Keeping the Chicago Region Free of Poison Hemlock: An Interdisciplinary Approach to Studying the Invasion Front of a Known Invasive Plant," (co-PI with Kelly Granberg (PI), (\$13,460), 2008-2009.

National Science Foundation, "Collaborative Research: SEIII: Computational Methods for Kinship Reconstruction, co-PI with Tanya Berger-Wolf (PI), (\$608,205), 2006-2009.

National Science Foundation, "IGERT: Ecology, management and restoration of integrated human/natural landscapes," PI, (\$2,810,585), 2006-2011.

University of California, Integrated Hardwood Range Management Program (co PI with Walter Koenig, PI) "Factors Affecting Valley and Blue Oak Regeneration in Upper Carmel Valley, California," (\$115,000), 2005-2010.

Genetic Resources Conservation Program (State of California), "Statewide DNA diversity of imperiled valley oaks, *Quercus lobata*", (\$1,300), 2005.

National Science Foundation, Population Biology Program, "Monitoring Anacapa Island deer mice: population bottleneck, release, and reestablishment," (\$51,668), 2002-2004.

National Science Foundation, Population Biology Program (with T. L. Ashman, University of Pittsburgh), "The evolution of dioecy and sexual dimorphism in a gynodioecious strawberry: The role of phenotypic selection and its ecological context," (\$277,000), 1999-2004.

National Science Foundation, "Integrated science courses for elementary education and non-science majors," (\$188,237). Senior Advisor, PI Maria Varelas, UIC, 2003-2004.

National Center for Ecological Analysis and Synthesis, Santa Barbara, California, Sabbatical Fellowship (12 months), 2001-2002.

UIC Campus Research Board, "Conservation genetics of endangered Illinois shiners," (\$13,300), 2002.

U.S. Dept. of the Interior (with K. L. Jones), Population genetic studies of Sandhill Cranes, *Grus canadensis*, (\$36,190), 2001-2003.

International Crane Foundation, (with K. L. Jones), "Genetic analysis of non-migratory Sandhill Crane populations occurring in Cuba," (\$8,000), 2001.

Liberty Prairie Foundation, "Prairie Crossing Threatened and Endangered Fish Relocation," (\$5500), 2000-2001.

NSF International Dissertation Enhancement Award (with K. A. Feldheim), "Population genetic analysis the lemon shark, *Negaprion brevirostris*, at Atol des Rocas and Fernando de Naronha, Brazil," (\$20,884), 1999.

Chicago Zoological Society, (with James Norton), "Molecular Conservation Genetics of Baird's Tapirs: Genetic Structure, variation, and management," (\$2,130), 1999.

Rhode Island Zoological Society Sophie Danforth Conservation Biology Fund (with J. E. Norton), "Molecular Conservation Genetics of Baird's Tapirs: Genetic structure, variation and management," (\$1000), 1999.

National Science Foundation, Biological Oceanography Program. (with Samuel Gruber, University of Miami) "Population structure and dynamics of the Lemon Shark, *Negaprion brevirostris*, on a local and global scale: Microsatellite and mitochondrial DNA analysis," (\$300,000), 1997-2000.

International Crane Foundation, (with K. L. Jones) "Definition of genetic status of Sarus cranes occurring in Myanmar," (\$3902), 1999.

Channel Islands National Park. "Genetic comparison of *Peromyscus maniculatus* on East, West and Middle Anacapa Islands," (\$5500), 1998.

National Science Foundation, Division of Integrative Biology and Neuroscience, Animal Behavior Program. "Mating and Parasitic Behavior of Brown-headed Cowbirds," (\$50,000), 1996-1998.

National Science Foundation, Division of Environmental Biology, Systematics Program, Dissertation Improvement Grant. PI with Jane E. Norman, Co-PI, "Molecular systematics of Xenarthrans," (\$10,000), 1995.

National Science Foundation, Division of Behavioral and Neural Sciences, Physical Anthropology Program, Research Planning Grant. "Mitochondrial DNA Divergence among Chromosomal Species of *Aotus*," (\$11,764), 1990-1991.

Chicago Zoological Society Research Award (\$3000), 1990.

Awards

UIC 2009 Third Annual Graduate Mentoring Award

UIC 1998 Teaching Recognition Award, Council for Excellence in Teaching and Learning

Professional Service

2009-2012 Scientific Advisory Panel, National Center for Ecological Analysis and Synthesis (NCEAS), University of California, Santa Barbara

2006 NSF Evolutionary Genetics Panel, Oct. 25-27

2005-2007 Council Member, American Genetic Association (elected position). Chair, AGA Special Events Committee.

2005-2008 Advisory Committee, Women in Science and Engineering: Network Access, Participation, and Career Outcomes (NSF Funded Project, \$1.23M, Julia Melkers, PI).

2005-2007 Chair, Special Events Award Committee, American Genetic Association

2005- Chicago Wilderness Proposals Committee

2001-2003 Associate Editor, *Evolution*

1996-2004 Editorial Board, *Conservation Biology*
 2004 Project Reviewer, US Fish and Wildlife Service, Mountain-Prairie Region
 2001 NSF Population Biology Panel
 2001 Nominating Committee, American Genetic Association
 2000-2001 President, UIC Sigma Xi Chapter
 2000 NSF National Ecological Observatory Network (NEON) Workshop at Archbold Biological Station, Florida
 2000 NSF Panel, Doctoral Dissertation Improvement Grants
 1999 Search Committee, Field Museum, Department of Botany
 1997-1998 NSF Special Advisory Panel for Postdoctoral Research Fellowships in Biosciences Related to the Environment
 1997-present Member, Conservation Breeding Specialist Group, IUCN -- World Conservation Union's Species Survival Commission
 1995 Search Committee, Field Museum, Department of Zoology
 1994 Genetic Committee of the Mexican Wolf Recovery Team (U.S. Dept. Interior)
 1994-1995 Advisory Committee for NSF Program, "Training for undergraduates in collections-based analysis of biological diversity," Field Museum

University Service

2009 UIC Graduate College Diversity Committee
 2009-2011 **Elected Member, LAS College Executive Committee**
 2008 UIC Researcher of the Year Award (RYA) Selection Subcommittee
2004-2007 Elected Member, All Campus Promotion and Tenure Committee
 2004-2007 Elected Member, UIC Senate
 2004 Member, Educational Policy Committee
 2003 **Member, Search Committee, Dean of Liberal Arts and Sciences**
 2003-2009 **Senior Facilitator**, UIC Women in Science and Engineering System Transformation (WISEST), NSF ADVANCE Program
 2002- Steering Committee, Institute for Environmental Science and Policy
 2002 Kabbes Scholarship Selection Committee
 2002 UIC Goldwater Scholarship Selection Committee
 2001 Organizing Committee, Sigma Xi Graduate Student Research Forum
2000-2001 Search Committee, Vice Chancellor for Research, UIC
2000-2001 Search Committee, Director, Institute for Environmental Science and Policy
 2000-2002 Campus Research Board Review Subcommittee, Basic Life Sciences
 2001- UIC CC CETP Science Teacher's Curriculum Development Project
 2000 Interviewer, UIC Fulbright candidates
 1998-2000 Member, Task force on General Education
 1999, 2000 Member, Langenberg Award Selection Committee
 1997- Honors College Fellow
 1997-98 Search Committee, Headship of Biological Sciences Dept.
 1994-97 University Senate, elected office
 1994-95 Search Committee, Headship of Biological Sciences Dept.

Departmental Service

2009 Chair, Tenure and Promotion Committee (to Full)
 2008 Member, Search Committee, Landscape Ecology Position
 2006 Member, Search Committee, Evolutionary Biologist
 2004 Tenure and Promotion Committee (to Full)
 2003-2006 Member Ad-hoc Executive Committee
 2003-2006 **Coordinator, Ecology and Evolution Group**

2003	Chair, Subcommittee for Promotion and Tenure (to AOP)
1999	Chair, Search Committee, Evolutionary Geneticist
1998-99	Member, Promotion and Tenure Committee
1998	Member, Search Committee, Global Change Biologist
1996-97	E&E Seminar Committee
1995-97	Departmental Advisory Committee (elected member)
1996-97	Departmental Seminar Committee
1993-	Graduate Curriculum Committee
1993-95	Graduate coordinator, Ecology and Evolution group

Thesis, Dissertation and Postdoctoral Advising

Saji T. Abraham, Postdoctoral Research Fellow, 2006-2009.

Janet Backs, "Genetic status of the threatened Hinckley's oak, *Quercus hinckleyi*." Advisor and committee chair, Doctoral dissertation, 2008-present.

Kathleen Craft, "Effects of fragmentation of bur oak population structure and recruitment." Advisor and committee chair, Doctoral dissertation, 1997-2005.

Isabel Caballero, "Molecular Ecology of Peregrine Falcons." Advisor and Committee Chair, Doctoral Dissertation, 2004-present.

Beverly Dow, "Characterization of mating system of bur oak (*Quercus macrocarpa*) using microsatellite DNA markers." Advisor and committee chair, Doctoral dissertation, 1992-1995.

Kevin Feldheim, "Genetic analysis of the mating system and population structure of the lemon shark, *Negaprion brevirostris*." Advisor and committee chair, Doctoral dissertation, 1994-2002.

Jennifer Fessler, "Phylogenetics and biogeography of the Chaetodontidae: A Coral Reef Fish Family." Academic Advisor, Doctoral dissertation, 2001-2007.

Jennifer Ison, Advisor and committee chair, Doctoral dissertation, 2005-present.

Kenneth Jones, "Genetic variation and structure in cranes: a comparison among species," Advisor and committee chair, Doctoral dissertation, 1998-2003.

Isabella Kappner, "Phylogenetic systematics of the marine bivalve subfamily Venerinae Rafinesque, 1815," Academic Advisor, Doctoral dissertation, 2000-2007.

Andrea Kramer, "Ecological Genetics of Penstemon in the Great Plains." Advisor and committee chair, Doctoral dissertation, 2003-2009.

Emi Kuroiwa, Advisor and committee chair, Doctoral dissertation, 2008-present.

Sheila Langosch, "Landscape genetics of a freshwater mussel and its host fish in the Illinois River." Advisor and committee chair, Masters Committee, 2007-present.

Roselis Mazurek, "Hunting strategies among the Waimiri-Atroari." Doctoral committee member and Academic Advisor, 1997-2001.

William Moskoff, "Mixed species associations of the migrating Lesser Yellowleg, Academic Advisor and Chair, Masters Committee, 1995-1997. (co-advisor with Christopher Whelan, Morton Arboretum).

Jane Norman, "Molecular Systematics of Xenarthra." Advisor and committee chair, Doctoral dissertation, 1992-1998.

James Norton. "Conservation genetics of Baird's tapir, *Tapirus bairdii*." Advisor and committee chair, Masters Committee, 1998-2002.

Fusun Ozer. "Conservation genetics of re-established Anacapa Island deer mouse, *Peromyscus maniculatus anacapae*." Advisor and committee chair, Doctoral dissertation, 2000-present.

Oliver Pergams, "Conservation of the Anacapa deer mouse, *Peromyscus maniculatus anacapae*," Advisor and Chairperson, Masters Committee, 1997-2000.

Helena Puche, WISEST Postdoctoral Fellow, 2007-2009.

Jennifer Schultz, Advisor and committee chair, Doctoral Committee, 1998-2002.

Bill Strausberger, "Breeding biology of the brown-headed cowbird, *Molothrus ater*," Advisor and committee chair, Doctoral dissertation, 1993-2001.

Bryan Stuart, "Amphibian Phylogeography of Indochina," Academic Advisor, 2001-2006.

Jose Tello, "Phylogeographic patterns of two Neotropical avian genera." Co-Advisor and committee chair, Doctoral Committee, 1996-2005.

John Wilk, "Morphological Diversity and Evolution within in the Marine Bivalve Genus *Isognomon*," Advisor and committee chair, Doctoral dissertation, 2003-present

Ramlah Zainudin, "Genetic structure of spatially isolated populations of Bornean frogs." Academic Advisor, Masters Committee, 1995-1997, (co-advisor with Harold Voris, Robert Inger, FM).

David Zaya, "Genetic characterization of native and invasive bittersweet vines," Advisor and committee chair, Masters thesis, 2008-present.

Manuscript and Book Reviewer

Animal Conservation
Annals of Botany
Benjamin Cummings
Biochemistry International
Canadian Journal of Forestry Research
Conservation Biology
Conservation Genetics
Evolution
Genome
Frontiers in Ecology and the Environment
International Journal of Primatology
International Journal of Plant Sciences
Journal of Biogeography
Journal of Ecology
Journal of Field Ornithology
Journal of Heredity
Journal of Plant Growth Regulation
Journal of the American Society for Horticultural Science
McGraw Hill Publishing
Molecular Ecology
Molecular Biology and Evolution
Proceedings of the National Academy of Sciences
Journal of Molecular Evolution
Prentice Hall
Silvae Genetica
Theoretical and Applied Genetics
Transactions of the American Fisheries Society

Grant Proposal Reviewer

Chicago Wilderness
National Science Foundation, Systematics and Population Biology Panel
National Science Foundation, Physical Anthropology Panel
National Science Foundation, Major Research Instrumentation
National Science Foundation, Animal Behavior Panel
National Science Foundation, Biological Oceanography Panel
National Sea Grant Program
Louis Leakey Foundation
NOAA Marine Fisheries Initiative
Lincoln Park Zoo
US Department of the Interior, Fish and Wildlife Service

Invited Seminars, past five years

- 2004 Lincoln Park Zoo
- 2005 University of Missouri, Columbia
Institute of Forest Genetics, Davis, California
- 2006 Morton Arboretum
Field Museum
Department of Biology, North Dakota State University
Chicago Botanic Garden, Janet Meakin Poor Research Symposium
Program in Plant Biology, Northwestern University
- 2007 Chicago State University
Chicago Humanities Festival Summer Institute for Teachers, "Mapping the American Landscape," June 27-29, 2007

Contributed and Invited Papers, past 5 years

- 2005 Invited Symposium Paper (Oral), "Rapid evolutionary change of mammals as an indicator of habitat change," Ninth International Mammalogical Congress. Sapporo, Japan.
- 2006 Symposium (Poster). "Genetic analysis of reestablished urban peregrine falcons (*Falco peregrinus*) in the Midwestern United States" (with I. C. Caballero and J. M. Bates), American Museum of Natural History, Conserving Birds in Human-Dominated Landscapes, April 27-28.
Contributed Paper (Poster). "Return of the Peregrine: What microsatellites can tell us about peregrines," (with I. C. Caballero and J. M. Bates), IV North American Ornithological Conferences, Veracruz, Mexico, Oct. 3-7.
- 2007 Reviewed Conference Paper. "Reconstructing sibling relationships from microsatellite data. (with S. Sheikh, t. Y. Berger-Wolf, W. Chaovalitwongse, B. DasGupta). European Conf. on Computational Biology, Jan 2007, Eilat, Israel.
Contributed Paper. "Evolutionary and Conservation Genetics of the Island Oak, *Quercus tomentella*," (with S. T. Abraham and L. Kindsvater), Catalina Oak Ecosystem Workshop II, Avalon, CA, Feb. 1-4.
Contributed Paper. "Nest site fidelity and genetic relationships in Midwest urban peregrine falcons analyzed by microsatellite DNA markers" (with I.C. Caballero and J. M. Bates), Illinois State Academy of Science, Springfield, IL, April 20-21.
Invited Speaker, Chicago Humanities Festival Summer Institute for Teachers, "Mapping the American Landscape" June 27-29, Chicago.
Contributed Paper. "Evolutionary and Conservation Genetics of the Island Oak, *Quercus tomentella* Englemann" (with S. T. Abraham, K. J. Craft and L. Kindsvater), Botany& Plant Biology Joint Congress, July 7-11, Chicago.
Contributed Paper. "Pollen-mediated Gene Flow in Isolated and Continuous Stands of Bur Oak, *Quercus macrocarpa*" (with K. J. Craft). Botany& Plant Biology Joint Congress, July 7-11, Chicago.
Invited Symposium Paper (Oral) "Pollen movement and the genetic prospects for fragmented forests in tropical and temperate systems" (with A. T. Kramer, J. L. Ison and H. F. Howe). Ecological Society of American Annual Meeting, August 5-10, San Jose, CA.
Contributed Paper (poster). "LEAP: An IGERT program on integrated human/natural landscapes." Ecological Society of American Annual Meeting, August 5-10, San Jose, CA.
Contributed Paper (poster). "Sibling relationships analyzed using a new set of molecular DNA markers in reintroduced Peregrine Falcons (*Falco peregrinus*)," (with I. C. Caballero and J. M. Bates). Joint Conference of the Raptor Research Foundation and Hawk Migration Association of North American, September 12-16, Fogelsville, PA.
- 2008 Contributed Paper (Oral). "Assessing the genetic recovery of Anacapa Island deer mice following rat eradication," (with F. Ozer and H. Gellerman). 7th California Islands Symposium, February 5-7, Oxnard, CA.

Contributed Paper (Oral). “Evolutionary and conservation genetics of the island oak, *Quercus tomentella* Englemann,” (with S. T. Abraham and L. C. Kindsvater). 7th California Islands Symposium, February 5-7, Oxnard, CA.

Invited Paper (Oral). “Approximating Several Covering/Packing Problems,” M. Ashley, T. Berger-Wolf, P. Berman, W. Chaovalitwongse, B. DasGupta and M.-Y. Kao, International Symposium on Combinatorial Optimization 2008, March 16-19, 2008, University of Warwick, Coventry, UK.

Contributed paper (Oral). “Interdisciplinary graduate research and education in human-dominated ecosystems: Experiences from the LEAP IGERT.” 2008 National Environmental Studies and Sciences Summit, May 22-24 2008, Arkansas State University.

Contributed paper (Poster). “Genetic Characterization of species, invasion, and hybridization: A bittersweet (*Celastrus* spp.) story,” (with D. N. Zaya, S. Leicht-Young, and N. Pavlovic). Annual Meeting for the Society for the Study of Evolution 2008, June 20-24, Minneapolis.

Contributed paper (Oral). “Genetic recovery of the Anacapa Island deer mice,” (with F. Ozer). Annual Meeting for the Society for the Study of Evolution 2008, June 20-24, Minneapolis.

Contributed paper (Poster). “Spatial genetics of a rare endemic island oak, *Quercus tomentella*, and implications for conservation and management,” (with S. T. Abraham and L. Kindsvater). Ecological Society of America Annual Meeting, August 3-8, Milwaukee.

Contributed paper (Poster). “Interdisciplinary graduate research and education in human-dominated landscapes: Experiences from the LEAP IGERT,” (with D. H. Wise). Ecological Society of America Annual Meeting, August 3-8, Milwaukee.

2009 Contributed paper (Oral). “Landscape and conservation genetics of Island oak, *Quercus tomentella*,” (with S. T. Abraham). Annual Meeting for the Society for the Study of Evolution 2009, June 12-16, University of Idaho.

Contributed paper (Oral). “Invasion and hybridization as a potential mechanism for cryptic extinction: A bittersweet (*Celastrus* spp.) story” (with D.N. Zaya, S. A. Leicht-Young and N. B. Pavlovic). Annual Meeting for the Society for the Study of Evolution 2009, June 12-16, University of Idaho.

Contributed paper (Oral). “Genetic diversity and bottleneck analyses in Anacapa deer mice” (with F. Ozer). American Society of Mammalogists 2009 Annual Meeting, June 24-28, University of Alaska Fairbanks.

Published Book Reviews

Ashley, M.V. 1995. Review of *Aotus: The Owl Monkey*. J.F. Baer, R. E. Weller, and I. Kakoma (eds.). Academic Press, San Diego, 1994, 280 pp. *International Journal of Primatology* 16:883-885.

Ashley, M. V. 1996. Review of *The Mammalian Molecular Clock*. S. Eastaer, C. Collet, and D. Betty. R. G. Landes, Austin Texas, 170 pp. *Journal of Mammalogy* 77:286-288.

Book Chapters

Ashley, M.V. and B.D. Dow. 1994. The use of microsatellite analysis in population biology: Background, methods and potential applications. Pp. 185-202 in “Molecular Ecology and Evolution: Approaches and Applications,” B. Schierwater, B. Streit, G. P. Wagner and R. DeSalle (eds.) Birkhauser Verlag, Boston.

Ashley, M. V., T Y. Berger-Wolf, I. Caballero, W. Chaovalitwongse, B. DasGupta and S. I. Sheikh. 2009. Full sibling reconstructions in wild populations from microsatellite genetic markers. *Computational Biology: New Research*, Nova Science Publishers (invited book chapter).

Ashley, M.V., S. T. Abraham, L.C. Kindsvater, D. Knapp, and K. J. Craft. 2009. Population structure and genetic variation of Island Oak, *Quercus tomentella* Englemann on Santa Catalina Island. In: Oak ecosystem restoration research on Catalina Island, California. Catalina Island Conservancy, Avalon, CA.

Peer Reviewed Publications

1) Ashley, M. and C. Wills. 1987. Analysis of mitochondrial DNA polymorphisms among Channel Island deer mice. *Evolution* 41:854-863.

- 2) Ashley, M.V. and C. Wills. 1989. Mitochondrial DNA and allozyme divergence patterns are correlated among island deer mice. *Evolution* 43:646-650.
- 3) Ashley, M.V. 1989. Absence of differentiation in mitochondrial DNA of island and mainland harvest mice, *Reithrodontomys megalotis*. *Journal of Mammalogy* 70:383-386.
- 4) Ashley, M.V., P.J. Laipis and W.W. Hauswirth. 1989. Rapid segregation of heteroplasmic mammalian mitochondria. *Nucleic Acids Research* 17:7325-7331.
- 5) Ashley, M.V., D.J. Melnick and D. Western. 1990. Conservation genetics of the black rhinoceros (*Diceros bicornis*), I.: Evidence from the mitochondrial DNA of three populations. *Conservation Biology* 4:71-77.
- 6) Patterson, B.D., V. Pacheco, and M.V. Ashley. 1992. On the origins of the western slope region of endemism: systematics of fig-eating bats, genus *Artibeus*. *Memorias del Museo de Historia Natural, U.N.M.S.M. (Lima)* 21:189-205.
- 7) Melnick, D.J., G.A. Hoelzer, R. Absher, and M.V. Ashley. 1993. mtDNA diversity in rhesus monkeys reveals overestimates of divergence time and paraphyly with neighboring species. *Molecular Biology and Evolution* 10:282-295.
- 8) Amato, G.D., M.V. Ashley, and J. Gatesy. 1993. Molecular evolution in living species of rhinoceros: Implications for conservation. Pp. 114-122 in "Proceedings of an International Conference on Rhinoceros Biology and Conservation," O.A. Ryder (ed.), Zoological Society of San Diego.
- 9) Hoelzer, G.A., W.P.J. Dittus, M.V. Ashley, and D.J. Melnick. 1994. The local distribution of highly divergent mitochondrial DNA haplotypes in toque macaques (*Macaca sinica*) at Polonnaruwa, Sri Lanka. *Molecular Ecology* 3:451-458.
- 10) Dow, B. D., M. V. Ashley and H. F. Howe. 1995. Characterization of highly variable (GA/CT)_n microsatellites in the bur oak, *Quercus macrocarpa*. *Theoretical and Applied Genetics* 91:137-141.
- 11) Ashley, M. V., and J. L. Vaughn. 1995. Owl monkeys, *Aotus*, are highly divergent in mitochondrial cytochrome *c* oxidase (COII) sequences. *International Journal of Primatology* 16:793-806.
- 12) Dow, B. D. and M. V. Ashley. 1996. Microsatellite analysis of seed dispersal and sapling parentage in bur oak, *Quercus macrocarpa*. *Molecular Ecology* 5:615-627.
- 13) Ashley, M. V., J. E. Norman and L. Stross. 1996. Phylogenetic analysis of Tapiridae using mitochondrial cytochrome *c* oxidase (COII) sequences. *Journal of Mammalian Evolution*.3:315-326.
- 14) Strausberger, B. and M. V. Ashley. 1997. Community-wide patterns of parasitism of a host "generalist" brood-parasitic cowbird, *Oecologia* 112:254-262.
- 15) Dow, B. D. and M. V. Ashley. 1998. Factors influencing male mating success in bur oak, *Quercus macrocarpa*, *New Forests* 15:161-181.
- 16) Dow, B. D., and M. V. Ashley. 1998. High levels of gene flow revealed by paternity analysis using microsatellites. *Journal of Heredity* 89:62-70.
- 17) Dow, B. D. and M. V. Ashley. 1998. Population structure and mating system of bur oak, *Quercus macrocarpa*, characterized by DNA microsatellite analysis. Proceedings of "Diversity and Adaptation in Oak Species," (K. C. Steiner, ed.), Penn State University.
- 18) Ashley, M. V. 1999. Molecular Conservation Genetics. *American Scientist* 87:28-35.
- 19) Dow, B. D. and M. V. Ashley. 1999. Changing genetic structure of a savanna bur oak population, *Forest Genetics* 6:29-39.
- 20) Pergams, O. R. W. and M. V. Ashley. 1999. Rapid morphological change in Channel Island deer mice. *Evolution* 53:1573-1581.
- 21) Pergams, O. R. W. and M. V. Ashley. 2000. California Island deer mice: Genetics, morphometrics and evolution. Pp. 278-288 in D. R. Browne, K. L. Mitchell and H. W. Chaney (eds.) Proceedings of the Fifth California Islands Symposium. 29 March to 1 April 1999. Santa Barbara Museum of Natural History, Santa Barbara, CA. OCS Study No. 99-0038.
- 22) Norman, J. E. and M. V. Ashley. 2000. Phylogenetics of Perissodactyla and tests of the molecular clock, in press, *Journal of Molecular Evolution* 50:11-21.
- 23) Pergams, O. R. W., R. C. Lacy and M. V. Ashley. 2000. Conservation and Management of Anacapa Island Deer Mice. *Conservation Biology* 14:819-832.

- 24) Feldheim, K. A., S. H. Gruber and M.V. Ashley. 2001. Population genetic structure of the lemon shark (*Negaprion brevirostris*) in the western Atlantic, characterized by DNA microsatellites. *Molecular Ecology* 10:295-303.
- 25) Constable, J. L., M. V. Ashley, J. Goodall and A. E. Pusey. 2001. Male and female reproductive strategies among Gombe chimpanzees evaluated by noninvasive paternity assignment. *Molecular Ecology* 10:1279-1300.
- 26) Feldheim, K. A., S. H. Gruber and M. V. Ashley. 2001. Multiple paternity of a lemon shark litter. *Copeia* 2001:781-786.
- 27) Strausberger, B. M. and M. V. Ashley. 2001. Eggs yield nuclear DNA from egg-laying female cowbirds, their embryos and offspring. *Conservation Genetics* 2:385-390.
- 28) Pergams, O. W. R. and M. V. Ashley. 2001. Microevolution of island rodents. *Genetica* 112/113: 245-256.
- 29) Feldheim, K. A., S. H. Gruber and M. V. Ashley. 2002. The breeding biology of lemon sharks at a tropical nursery lagoon. *Proceedings of the Royal Society of London, Series B* 269:1655-1661.
- 30) Craft, K. J., M. V. Ashley and W. D. Koenig. 2002. Limited gene flow between *Quercus lobata* and *Quercus douglasii* (Fagaceae) in a mixed stand in central coastal California. *American Journal of Botany* 89:1792-1798.
- 31) Feldheim, K. A., S. H. Gruber, J. R. C. deMarignac and M. V. Ashley. 2002. Genetic tagging to determine passive integrated transponder (PIT) tag loss in lemon sharks, *Negaprion brevirostris*. *Journal of Fish Biology* 61:1309-1313.
- 32) Ashley, M. V., M. F. Willson, O. R. W. Pergams, D. J. O'Dowd and S. M. Gende. 2003. Evolutionarily Enlightened Management. *Biological Conservation* 111:115-123.
- 33) Strausberger, B. M. and M. V. Ashley. 2003. Breeding biology of brown-headed cowbirds characterized by parent-offspring and sib-group reconstruction. *Auk* 120:433-445.
- 34) Koenig, W. D. and M. V. Ashley. 2003. Is pollen limited? The answer is blowin' in the wind. *Trends in Ecology and Evolution* 18:157-159.
- 35) Ashley, M. V., J. A. Wilk, S. M. Styan, K. J. Craft, K. L. Jones, K. A. Feldheim, K. S. Lewers and T. -L. Ashman. 2003. High variability and disomic segregation of microsatellites in the octoploid *Fragaria virginiana* (Rosaceae). *Theoretical and Applied Genetics* 107:1201-1207.
- 36) Stockwell, C. A., and M. V. Ashley. 2004. The relevance of contemporary evolution to conservation biology. *Conservation Biology* 18:272-273.
- 37) Norton, J. E. and M. V. Ashley. 2004. Genetic variability and population structure among wild Baird's tapirs. *Animal Conservation* 7:211-220.
- 38) Feldheim, K.A, S. H. Gruber and M. V. Ashley. 2004. Reconstruction of parental microsatellite genotypes reveals female polyandry and philopatry in the lemon shark, *Negaprion brevirostris*. *Evolution*, 58: 2332-2342.
- 39) Norton, J. E. and M. V. Ashley. 2004. Genetic variability and population differentiation in captive Baird's tapirs, *Tapirus bairdii*. *Zoo Biology* 23:521-531.
- 40) Jones, K. L., J. Barzen and M.V. Ashley. 2005. Geographic partitioning of microsatellite variation in the sarus crane. *Animal Conservation*, 8:1-8 (cover photo).
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