

# Alan Robert Templeton

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## EDUCATION

A.B. (Zoology)	Washington University	1969
M.A. (Statistics)	University of Michigan	1972
Ph.D. (Human Genetics)	University of Michigan	1972

## PROFESSIONAL EXPERIENCE

1972-1974. Junior Fellow, Society of Fellows of the University of Michigan.  
1974. Visiting Scholar, Department of Genetics, University of Hawaii.  
1974-1977. Assistant Professor, Department of Zoology, University of Texas at Austin.  
1976. Visiting Assistant Professor, Dept. de Biologia, Universidade de São Paulo, Brazil.  
1977-1981. Associate Professor, Departments of Biology and Genetics, Washington University.  
1981-present. Professor, Departments of Biology and Genetics, Washington University.  
1983-1987. Genetics Study Section, NIH (also served as an ad hoc reviewer several times).  
1984-92:96-97. Head, Evolutionary and Population Biology Program, Washington University.  
1985. Visiting Professor, Department of Human Genetics, University of Michigan.  
1986. Distinguished Visiting Scientist, Museum of Zoology, University of Michigan.  
1986-present. Research Associate of the Missouri Botanical Garden.  
1992. Elected Visiting Fellow, Merton College, University of Oxford, Oxford, United Kingdom.  
2000. Visiting Professor, Technion Institute of Technology, Haifa, Israel  
2001-present. Charles Rebstock Professor of Biology  
2001-present. Professor of Biomedical Engineering, School of Engineering, Washington University  
2002-present. Visiting Professor, Rappaport Institute, Israel.  
2007-present. Senior Research Associate, The Institute of Evolution, University of Haifa, Israel.  
2009-present. Part-time Professor of Biology, Evolution and Ecology, University of Haifa, Israel.

## HONORS AND AWARDS

Phi Eta Sigma, 1966.  
Phi Beta Kappa, 1969.  
Sigma Xi, Associate Member, 1969; Full Member, 1972.  
Washington University Scholarship, 1965-69.  
A.B. Summa Cum Laude, 1969.  
NSF Predoctoral Fellowship, 1969-72.  
Junior Fellow, Society of Fellows of the University of Michigan, 1972-74.  
Edward Bean Award, 1984. Awarded to the St. Louis Zoological Garden for Speke's Gazelle Management Program designed by Templeton and Read.  
Genetics Society of Australia Invited Oversea Speaker, 1988.  
Edward Bean Award, 1989. Awarded to the St. Louis Zoological Garden for the Banteng/Gaur

Management Program designed by Templeton and Read.  
Millercomm Distinguished Speaker, 1990. University of Illinois.  
NMSU Distinguished Speaker, 1991. New Mexico State University.  
EPSCoR Distinguished Speaker, 1992. University of South Carolina.  
Ecology & Evolutionary Biology Distinguished Speaker, 1992. Michigan State University.  
Award "For Outstanding Effort in the Conservation of Missouri's Biodiversity." Awarded jointly  
by the Missouri Department of Conservation and United States Forest Service, 1992.  
Jefferson City, Missouri.  
Ashby Dialogue Lecturer, 1994. University of North Carolina at Greensboro.  
Russell Marker Lecturer, 1994. Pennsylvania State University.  
Rockefeller Distinguished Lecturer, 1994. University of Arkansas.  
President, Society for the Study of Evolution, 1996-1997.  
George C. Wheeler Distinguished Lecturer, 1997. University of North Dakota.  
Elected Fellow of AAAS, 1997. "For fundamental contributions to both experimental and  
theoretical population genetics and to conservation biology."  
Elected Fellow, Academy of Science of St. Louis, 1998.  
Brode Lecturer, 2000. Whitman College, Walla Walla, WA.  
Burroughs Wellcome Fund Innovation Award in Functional Genomics, 2000.  
Distinguished Israel Pollak Lecturer, 2000. Technion Institute of Technology, Haifa, Israel  
Stigler Lecturer in Archaeology. University of Arkansas, 2001.  
Installed as Charles Rebstock Professor of Biology. 2001.  
David Murdock-Dole Lectureship and Award "In recognition of outstanding contributions in  
human genetic studies." Nobelforum, Stockholm, Sweden. 2002.  
Genetics Society of Australia Invited Oversea Speaker, 2004.  
Lorene Murrow Kelly Distinguished Lecturer, University of Texas, 2005  
Listed in the top 1% of cited authors for journals in the Life Sciences, 2005  
Fulbright-Israel Distinguished Chair in the Natural Sciences and Engineering, 2007

## **EDITORSHIPS**

Associate Editor, "Theoretical Population Biology" 1978-81.  
Editor, "Theoretical Population Biology" 1981-90.  
Associate Editor, "The American Naturalist" 1980-84, 2002-2005.  
Associate Editor, "Paleobiology" 1983-85.  
Editorial Board, "Molecular Phylogenetics and Evolution" 1991---.  
Associate Editor, "Brazilian Journal of Genetics" 1991-1997.  
Associate Editor, "Genetics and Molecular Biology" 1998-2001.  
Editorial Board, "Animal Conservation" 2004-2007.  
Honorary Editorial Board Member, "Evolutionary Bioinformatics Online" 2005---.  
Editorial Board, "Rambam (Maimonides) Medical Journal" 2008---.

## **OFFICES AND MEMBERSHIPS**

American Association for the Advancement of Science  
Society for the Study of Evolution  
Vice President I, 1982-1983; President, 1996-1997.  
Genetics Society of America  
Member of the Education Committee of the GSA, 1986-1988.  
Consultant, St. Louis Zoological Garden, 1979---.  
Consultant, National Zoological Park, Washington, D.C., 1983-89.

Consultant, Ecumenical Dioxin Task Force, 1984-87.  
Genetics Study Section, NIH, Permanent member 1983-87, plus occasional ad hoc attendance.  
Founding member of the Society for Conservation Biology.  
Member, Board of Directors of SCB, 1985-88.  
Trustee, the Missouri Chapter of The Nature Conservancy, 1988---.  
Vice President for Conservation, 1996-2000.  
Member, Biodiversity Task Force for the State of Missouri, 1990-92.  
Member, International Evaluation Panel of Swedish Research in Systematics. Swedish Natural Science Research Council, 1990.  
Member, UNESCO-MAB/IUBS/SCOPE Workshop on a Research Agenda for Biodiversity, 1991-94.  
Consultant, Ralston Purina Company, Pet Nutrition Research Department, 1989-92.  
Consultant, Genetics Research Panel for the Biosphere 2 Project, 1991.  
Member, Health and Environmental Research Advisory Committee, Department of Energy, 1993.  
National Institutes of General Medical Sciences Council, ad hoc member. 1993.  
Member, Advisory Committee, Tropical Terrestrial Ecology Division of the Minority Research Center for Excellence. 1994-98.  
Member, Genetic Biodiversity Maintenance Working Group for the State of Missouri. 1994-1996.  
Gene Scene Redesign Advisory Team, St. Louis Science Center. 1994-1996.  
Member, National Research Council Panel on Evolutionary Implications of Modern Species Extinction. 1995-96.  
Member, National Research Council Committee on "The Human Genome Diversity Project." 1996-97.  
Member, Natural Systems Agriculture Advisory Team, The Land Institute, Salina, KS, 1997---.  
Member, Advisory Committee, Columbia Earth Institute, Columbia University, NY, 1997.  
Consultant, Variagenics Inc., Cambridge, Massachusetts. 1997-2003.  
Member, Advisory Board, RGA/Washington University Longevity Research Foundation, 1998-1999.  
Chair of the NIH Advisory Group for a Proposed Initiative on Studies of Large-scale genetic variation, 2001.  
American Society of Naturalists, 2002-2005.  
Zoological Society of London, 2004---.  
External Evaluator, Departments of Biology at the Universidade de São Paulo, São Paulo Campus and Riberão Preto Campus, 2004.  
Member of the Monitoring and Assessment Panel for the "Investing in Multidisciplinary University Activities through NSF Hawaii EPSCoR." 2006-2009.  
Member, U.S. Fish & Wildlife Service Endangered Species Recovery Team for the Hine's Emerald Dragonfly (*Somatochlora hineana*). 2006---.

## **RESEARCH INTERESTS**

Population Genetics

Ecological Genetics

Speciation

Conservation Biology

Human Evolution

Molecular Quantitative Genetics of Common Diseases in Humans

## RESEARCH SUPPORT

- NSF Grant GB-41278. "The Unit of Selection." Co-principal investigator with Dr. C. Sing. \$20,000, 1974.
- NIH Grant GM-20903. "The Unit of Selection." Co-principal investigator with Dr. C. Sing. \$50,000, 1974-77.
- NSF Grant BMS74-17453. "The Evolutionary Biology of *Drosophila mercatorum*." \$40,000, 1974-77.
- Biomedical Sciences Support Grant. \$5,000, 1974-75.
- NSF Grant DEB76-16985. "Studies of Selection, Fitness and Speciation." \$51,000, 1976-79.
- NSF Grant DEB78-10455. "Selection, Fitness and Speciation." \$33,340, 1978-79.
- NSF Grant DEB79-08860. "Selection, Coadaptation and Speciation in *Drosophila mercatorum*." \$51,652, 1979-80.
- NIH Grant R01 GM27021. "Selection, Coadaptation and Speciation in *Drosophila mercatorum*." \$136,027, 1980-83.
- Biomedical Research Support Grant. \$4,600, 1981-82.
- Biomedical Research Support Grant. \$4,000, 1983-84.
- NIH Grant 1 P41 GM32675-01. "VAX11/750 Computational Facility." \$120,000, 1984. Biomedical Research Support Grant. \$2,500, 1984-85.
- Missouri Conversation Commission Contract for Establishing Collared Lizard Populations on Restored Glades. \$2,350, 1984.
- Biomedical Research Support Grant. \$6,600, 1985-86.
- Subcontract to "Genetic assessment of the captive breeding plan and the breeding population in the Mexican wolf (*Canis lupis baileyi*) recovery program. \$5,000, 1985.
- Nixon Griffis Fund for Zoological Research. "Genetic survey of wild cattle, oxen and buffalo." \$3,000, 1986-87.
- Biomedical Research Support Grant. \$5,000, 1986-87.
- NIH Grant R01 AG02246. "The Aging Effects Associated with a Polygenic Complex." \$122,654, 1980-83. \$159,404, 1983-86. \$132,423, 1986-89. \$199,239, 1989-92.
- NSF Grant BSR-9007117. "The evolutionary genetics of a mate recognition cue: male song in Hawaiian crickets." \$134,616 direct costs, 1990-93.
- NIH Grant S10 RR06380-01. VAX computer system for the Biology Department. \$132,130, 1991-92.
- NSF Grant BSR 9112000. An examination of the speciation process in *Orconectes*, subgenus *Procericambarus*. Doctoral dissertation improvement grant for Keith Crandall. \$10,041, 1991-1993.
- NSF Grant BSR 9112619. Population subdivision in *Trimerotropis saxatilis* (Acrididae). Doctoral dissertation improvement grant for Anne Gerber. \$10,050, 1991-1993.
- NSF Grant DEB 9213184. An analysis of the speciation process in cave spiders of the genus *Nesticus*. Doctoral dissertation improvement grant for Marshal Hedin. \$10,007, 1992-1994.
- Subcontract to Dr. Charles F. Sing's NIH grant R01 HL39107, "Genetic epidemiology of coronary heart disease." \$90,000 (subcontract only), 1987-92. \$166,446, 1992-97.
- NIH Grant R01 GM31571. "The Use of Recombinant DNA in Population Genetics." \$330,795, 1983-86. \$635,708, 1986-91. \$615,876, 1991-97.
- NSF Grant DEB 9423684. A phylogenetic assessment of biogeography and character

evolution in the subfamily Antelopinae. Doctoral dissertation improvement grant for Laura Bischof. \$10,000, 1995-1999

NSF Grant DEB-9701809. Separating population structure from population history in the South American cactophilic *Drosophila buzzatii* subgroup. Doctoral dissertation improvement grant for Reinaldo Alves de Brito. \$13,350. 1997-1999.

NSF Grant DEB-9610219. The impact of forest fire management on the population structure of collared lizards in the Ozarks. \$227,000, 1997-2001. \$389,999, 2001-2008. REU supplements, \$5,000 1998; \$5,000 1999; \$6000 2002; \$6000 2003. ROA supplement, \$25,000, 2003.

NIH Grant R01 GM60730. Co-PI with Dr. Richard Markham, Johns Hopkins University. The impact of recombination in HIV-1 on intrahost evolution. \$392,286 (W.U. portion only). 1999-2004.

Burroughs Wellcome Fund Innovation Award in Functional Genomics. Cladistic analysis of epistasis among candidate genes influencing common diseases. \$200,000. 2000-2004.

NSF Grant DEB-0104977. The evolution and development of abdominal pigmentation patterns in natural populations of *Drosophila polymorpha*. Doctoral dissertation improvement grant for Jennifer Brisson. \$10,000. 2001-2003.

NIH R01 HG002191. Race and public communication about human variation. \$64,380 (W.U. subcontract only). 2001-2004.

NIH 1U01 GM63340 (Dr. Howard McLeod, PI). Functional polymorphism analysis in drug pathways. \$40,000 (My subcontract only). 2001-2005. \$80,000 2005-2010.

Packard Foundation Interdisciplinary Science Program. A multidisciplinary approach to the study of the evolution of biological form and diversity \$1,000,000 (shared among five co-pi's). 2001-2006.

NIH P50-GM65509 (Dr. Charles F. Sing, PI). Genomic approaches to common chronic disease. \$270,975 (W.U. subcontract only). 2004-2007. \$900,000 (W.U. subcontract only). 2007-20012.

NIH 2R01 GM02871924A2 (Dr. D. C. Rao, PI). Research project in genetic epidemiology. \$85,000 (My subcontract only). 2005-2009.

Legacy Heritage Fund Limited. Convergence of Population Genetics and Computational Technologies in the Identification of Genomic Susceptibility Loci and in Predictive Genomics in Populations with Well Defined Genetic Architecture. \$100,000. 2008.

NSF DDIG 0807879 (Templeton and Griffin, coPIs). Dissertation Research: Impacts of invasive species: population consequences of altering inbreeding depression and mating systems in native plants. \$11,870. 2008-2010.

## PUBLICATIONS

### THESES

Bachelor's: The Population Genetics of *Scaptomyza pallida*.  
 Doctorate: Statistical Models of Parthenogenesis.

### ABSTRACTS (published in journals)

1. Templeton, A.R. and C.F. Sing. Parthenogenesis as a strategy for studying genetic organization. Isozyme Bulletin 5: 1972.
2. Sing, C.F. and A.R. Templeton. Parthenogenesis as a biological design to examine the neutral gene hypothesis. Isozyme Bulletin 6: 1973.

3. Templeton, A.R. and C.F. Sing. Coadaptation in parthenogenetic strains of *Drosophila mercatorum*. *Genetics* 74: s274, 1973.
4. Templeton, A.R. and C.F. Sing. Coadaptation in parthenogenetic strains of *Drosophila mercatorum*. *Isozyme Bulletin* 6: 1973.
5. Rothman, E.D., A.R. Templeton and C.F. Sing. Analysis of population structure. *Genetics* 74: s234, 1973.
6. Templeton, A.R. The capacity for parthenogenesis in wild-caught females of *Drosophila mercatorum*. *Isozyme Bulletin* 8: 1975.
7. Templeton, A.R. Genetics of the bisexual-unisexual transition in *Drosophila mercatorum*. *Isozyme Bulletin* 10: 1977.
8. Templeton, A.R. The genetic and physiological basis of coadaptation in parthenogenetic strains of *Drosophila mercatorum*. XIV International Congress of Genetics, Abstracts of Contributed Papers, C.16, 1978.
9. Templeton, A.R. Some possible relationships between rapid speciation, small effective size, and breeding systems. In: *The Dynamics of Speciation in Plants and Animals*. H.-I. Oka and O. Kitagawa, eds. Japan Society for the Promotion of Science, 1978.
10. DeSalle, R. and A.R. Templeton. Molecular basis of the abnormal abdomen phenotype in *Drosophila mercatorum*. *Genetics* 104: s21, 1983.
11. Templeton, A.R. Natural selection and ribosomal DNA in *Drosophila*. *Genome* 30, Suppl. 1: 29, 1988.
12. Templeton, A.R. Habitat fragmentation: genetic problems and solutions. *Genetics* 122: s12, 1989.
13. Sing CF, Haviland MB, Templeton AR, Reilly SL. Alternative genetic strategies for predicting risk of atherosclerosis. Xth International Symposium on Atherosclerosis Montreal, Canada, October 9-14, 1994.
14. Matioli, S. R. and A. R. Templeton. Complexos gênicos coadaptados para características morfológicas de *Drosophila mercatorum*. *Rev. Bras. Genet.* 18(3 (Supplement)): 280, 1995.
15. Sing CF, Haviland MB, Templeton AR, Reilly SL. Alternative genetic strategies for predicting risk of atherosclerosis. MDC Symposium on Complex Genetic Diseases. Berlin, Germany, September 27-29, 1995.
16. Templeton, A. R., and B. Read. 1996. Inbreeding: One Word, Several Meanings, Much Confusion. *Biological Conservation* 75:311.
17. Haviland MB, Templeton AR, Ferrell RE, Sing CF. Identification of haplotypes of the apolipoprotein (Apo) B gene region hypothesized to carry functional DNA variations using a cladistic analysis. The American Society of Human Genetics 46th Annual Meeting San Francisco, CA, October 29-November 2, 1996.
18. Templeton, A. R. A critique of the use of genetic data in analyzing human origins. *American Journal of Human Biology* 9(1): 122, 1997.
19. Hammer, M.F., S. L. Zegura, A. Bergen, J. C. Long, W. Klitz, R. C. Griffiths, A. R. Templeton, L. P. Osipova, O. L. Posakh, T. M. Karafet. New World Y chromosome founder haplotypes and the peopling of the Americas. *Am. J. Phys. Anthropol.* (Suppl. 28) 81: 144, 1999.
20. Templeton, A. R. Evolution of haplotypes and complex diseases. *Am. J. Phys. Anthropol.* (Suppl. 28) 81: 264-265, 1999.
21. Bates, B. R., A. Templeton, P. J. Achter, T. M. Harris, and C. M. Condit. A focus group study of public understanding of genetic risk factors: The case of "a gene

- for heart disease". *American Journal of Human Genetics* 71:380, 2002.
22. Clark AG, Boerwinkle E, Hixson JE, Templeton AR, Sing CF. Genomic approaches to common chronic disease. Centers for Cell Dynamics Research Symposium: Predictive Models of Complex Systems, NIGMS Friday Harbor, June 3-7, 2006.

#### BOOK REVIEWS

1. Templeton, A.R. Review of *Genetics of Speciation* edited by D.L. Jameson. *Am. J. Hum. Genet.* 31: 88-89, 1979.
2. Templeton, A.R. Review of *Macroevolution: Pattern and Process* by S.M. Stanley. *Evol.* 34: 1224-1227, 1980.
3. Templeton, A.R. Review of *Principles of Population Genetics* by D. Hartl. *Quart. Rev. Biol.* 56: 75-76, 1981.
4. Templeton, A.R. Review of *Evolution and Speciation* edited by W.R. Atchley and D.S. Woodruff. *Sci.* 214: 900-901, 1981.
5. Templeton, A.R. Review of *Basic Population Genetics* by B. Wallace. *Quart. Rev. Biol.* 57: 187-188, 1982.
6. Templeton, A.R. Review of *The Material Basis of Evolution* by R. Goldschmidt. *Paleobiology* 8: 474-481, 1982.
7. Templeton, A.R. Review of *The Evolutionary Biology of Colonizing Species* by P. Parsons. *Ecology* 66: 1691, 1985.
8. Templeton, A.R. Review of *Species and Speciation* edited by E.S. Vrba. *Evol.* 41: 233-235, 1987.
9. Templeton, A.R. Review of *The Natural History of Inbreeding and Outbreeding* edited by N.W. Thornhill. *Conservation Biol.* 8: 608-610, 1994.
10. Templeton, A.R. Review of *Species Evolution: The Role of Chromosome Change* by Max King. *Quart. Rev. Biol.* 70: 76, 1995.
11. Templeton, A. R. Review of *Speciation and the Recognition Concept: Theory and Application* edited by D. M. Lambert and H. G. Spencer. *Amer. Sci.* 85: 384-386, 1997.
12. Templeton, A. R. A review of *Race and Human Evolution* by Wolpoff, M. and Caspari, R. *Current Anthropology* 38(5): 921-922, 1997.
13. Templeton, A. R. Applying genetics to species conservation: a review of "Genetics and the Extinction of Species" edited by L. F. Landweber and A. P. Dobson. *BioSci* 50: 539-540, 2000.

#### BOOKS

1. Templeton, A. R. 2006. *Population Genetics and Microevolutionary Theory*. John Wiley & Sons. 705 pgs.

#### ARTICLES IN PEER REVIEWED JOURNALS

1. Templeton, A.R. and E.D. Rothman. The population genetics of parthenogenetic strains of *Drosophila mercatorum*. I. One locus models and statistics. *Theor. Appl. Genetics* 43: 204-212, 1973.
2. Templeton, A.R. Density dependent selection in parthenogenetic and self-mating populations. *Theor. Pop. Biol.* 5: 229-250, 1974.
3. Templeton, A.R. and E.D. Rothman. Evolution in heterogeneous environments. *Am. Nat.* 108: 409-428, 1974.

4. Templeton, A.R. Analysis of selection in populations observed over a sequence of consecutive generations. I. Some one locus models with a single, constant fitness component per genotype. *Theor. Appl. Genetics* 45: 179-191, 1974.
5. Rothman, E.D., C.F. Sing and A.R. Templeton. A model for analysis of population structure. *Genetics* 78: 943-960, 1974.
6. Templeton, A.R., C.F. Sing and B. Brokaw. The unit of selection in *Drosophila mercatorum*. I. The interaction of selection and meiosis in parthenogenetic strains. *Genetics* 82: 349-376, 1976.
7. Templeton, A.R., H.L. Carson and C.F. Sing. The population genetics of parthenogenetic strains of *Drosophila mercatorum*. II. The capacity for parthenogenesis in a natural, bisexual population. *Genetics* 82: 527-542, 1976.
8. Carson, H.L., L.T. Teramoto and A.R. Templeton. Behavioral differences between isogenic strains of *Drosophila mercatorum*. *Behavior Genetics* 7: 189-197, 1977.
9. Templeton, A.R. Analysis of head shape differences between two interfertile species of Hawaiian *Drosophila*. *Evol.* 31: 630-642, 1977.
10. Templeton, A.R. Survival probabilities of mutant alleles in fine grained environments. *Am. Nat.* 111: 897-902, 1977.
11. Annett, J.L. and A.R. Templeton. Genetic recombination and clonal selection in *Drosophila mercatorum*. *Genetics* 89: 193-210, 1978.
12. Templeton, A.R. and E.D. Rothman. Evolution in fine-grained environments. I. Environmental runs and the evolution of homeostasis. *Theor. Pop. Biol.* 13: 340-355, 1978.
13. Templeton, A.R. and D.A. Levin. Evolutionary consequences of seed pools. *Am. Nat.* 114: 232-249, 1979.
14. Templeton, A.R. Chromosome number, quantitative genetics and eusociality. *Am. Nat.* 113: 937-941, 1979.
15. Templeton, A.R. A frequency-dependent model of brood selection. *Am. Nat.* 114: 515-524, 1979.
16. Templeton, A.R. Once again, why 300 species of Hawaiian *Drosophila*? *Evol.* 33: 513-517, 1979.
17. Templeton, A.R. The unit of selection in *Drosophila mercatorum*. II. Genetic revolutions and the origin of coadapted genomes in parthenogenetic strains. *Genetics* 92: 1265-1282, 1979.
18. Templeton, A.R. The parthenogenetic capacities and genetic structures of sympatric populations of *Drosophila mercatorum* and *Drosophila hydei*. *Genetics* 92: 1283-1293, 1979.
19. Templeton, A.R. The theory of speciation via the founder principle. *Genetics* 94: 1011-1038, 1980.
20. Yokoyama, S. and A.R. Templeton. The effect of social selection on the population dynamics of Huntington's disease. *Ann. Hum. Genet.* 43: 413-417, 1980.
21. Templeton, A.R. and S. Yokoyama. The effect of reproductive compensation and the desire to have male offspring on the incidence of a sex-linked lethal disease. *Am.J. Hum. Genet.* 32: 575-581, 1980.
22. Ochman, H., B. Stille, M. Niklasson, R.K. Selander and A.R. Templeton. Evolution of clonal diversity in the parthenogenetic fly *Lonchoptera dubia*. *Evol.* 34: 539-547, 1980.
23. Templeton, A.R. Modes of speciation and inferences based on genetic distances. *Evol.* 34: 719-729, 1980.

24. Rothman, E.D. and A.R. Templeton. A class of models of selectively neutral alleles. *Theor. Pop. Biol.* 18: 135-150, 1980.
25. Templeton, A.R. The evolution of life histories under pleiotropic constraints and r-selection. *Theor. Pop. Biol.* 18: 279-289, 1980.
26. Templeton, A.R. and L.R. Lawlor. The fallacy of the averages in ecological optimization theory. *Am. Nat.* 117: 390-393, 1981.
27. Templeton, A.R. Some comments on "Genetic variation and progressive evolution" by D. Layzer. *Am. Nat.* 117: 1049-1051, 1981.
28. Templeton, A.R. and E.D. Rothman. Evolution in fine-grained environments. II. Habitat selection as a homeostatic mechanism. *Theor. Pop. Biol.* 19: 326-340, 1981.
29. Templeton, A.R. Mechanisms of speciation -- a population genetic approach. *Ann. Rev. Ecol. Syst.* 12: 32-48, 1981.
30. Clark, R.L., A.R. Templeton and C.F. Sing. Studies of enzyme polymorphisms in the Kamuela population of *D. mercatorum*. I. Estimation of the level of polymorphism. *Genetics* 98: 597-611, 1981.
31. Templeton, A.R., R. DeSalle and V. Walbot. Speciation and inferences on rates of molecular evolution from genetic distances. *Heredity* 47: 439-442, 1981.
32. Yokoyama, S. and A.R. Templeton. Effect of cultural inheritance of reproductive compensation on the incidence of a sex-linked lethal disease. *J. Theor. Biol.* 99: 389-395, 1982.
33. Templeton, A.R. The crisis of partial extinction. *Natural Areas Journal* 2, No. 3: 35-38, 1982.
34. Templeton, A.R. Phylogenetic inference from restriction endonuclease cleavage site maps with particular reference to the evolution of humans and the apes. *Evol.* 37: 221-244, 1983.
35. Giddings, L.V. and A.R. Templeton. Behavioral phylogenies and the direction of evolution. *Sci.* 220: 372-378, 1983.
36. Templeton, A.R. Systematics of Basidiomycetes based on 5S rRNA sequences and other data. *Nature* 303: 731-732, 1983.
37. Perondini, A.L.P., P.A. Otto, A.R. Templeton and A. Rogatko. Evidence for assortative mating systems related to the polytene chromosome-band polymorphism in *Sciara ocellaris*. *J. Hered.* 74:283-288, 1983.
38. Templeton, A.R. and B. Read. Factors eliminating inbreeding depression in a captive herd of Speke's gazelle. *Zoo Biology* 3: 177-199, 1984.
39. Carson, H.L. and A.R. Templeton. Genetic revolutions in relation to speciation phenomena: the founding of new populations. *Ann. Rev. Ecol. Syst.* 15: 97-131, 1984.
40. Templeton, A.R. The phylogeny of the hominoid primates: a statistical analysis of the DNA-DNA hybridization data. *Mol. Biol. Evol.* 2: 420-433, 1985.
41. Templeton, A.R., T.J. Crease and F. Shah. The molecular through ecological genetics of abnormal abdomen in *Drosophila mercatorum*. I. Basic genetics. *Genetics* 111: 805-818, 1985.
42. DeSalle, R., L.V. Giddings and A.R. Templeton. Mitochondrial DNA variability in natural populations of Hawaiian *Drosophila*. I. Methods and levels of variability in *D. silvestris* and *D. heteroneura* populations. *Heredity* 56: 75-86, 1986.
43. DeSalle, R. and A.R. Templeton. The molecular through ecological genetics of abnormal abdomen. III. Tissue-specific differential replication of ribosomal genes

- modulates the abnormal abdomen phenotype in *Drosophila mercatorum*. *Genetics* 112: 877-886, 1986.
44. Templeton, A.R. Further comments on the statistical analysis of DNA-DNA hybridization data. *Mol. Biol. Evol.* 3: 290-295, 1986.
  45. Templeton, A.R., H. Hemmer, G. Mace, U.S. Seal, W.M. Shields, and D.S. Woodruff. Local adaptation, coadaptation, and population boundaries. *Zoo Biol.* 5: 115-125, 1986.
  46. DeSalle, R. and A.R. Templeton. Comments on "The significance of asymmetrical sexual isolation." *Evol. Biol.* 21: 21-27, 1987.
  47. Templeton, A.R. The general relationship between average effect and average excess. *Genet. Res.* 49: 69-70, 1987.
  48. Templeton, A.R. Nonparametric phylogenetic inference from restriction cleavage sites. *Mol. Biol. Evol.* 4: 315-319, 1987.
  49. DeSalle, R., A.R. Templeton, I. Mori, S. Pletscher, and J.S. Johnston. Temporal and spatial heterogeneity of mtDNA polymorphisms in natural populations of *Drosophila mercatorum*. *Genetics* 116: 215-223, 1987.
  50. Templeton, A.R., E. Boerwinkle, and C.F. Sing. A cladistic analysis of phenotypic associations with haplotypes inferred from restriction endonuclease mapping. I. Basic theory and an analysis of alcohol dehydrogenase activity in *Drosophila*. *Genetics* 117: 343-351, 1987.
  51. Templeton, A.R., S.K. Davis, and B. Read. Genetic variability in a captive herd of Speke's gazelle (*Gazella spekei*). *Zoo Biology* 6: 305-313, 1987.
  52. Ralls, K., J.D. Ballou, and A.R. Templeton. Estimates of lethal equivalents and the cost of inbreeding in mammals. *Conservation Biol.* 2: 185-193, 1988.
  53. DeSalle, R., and A.R. Templeton. Founder effects and the rate of mitochondrial DNA evolution in Hawaiian *Drosophila*. *Evolution* 42: 1076-1084, 1988.
  54. Georgiadis, N., P. Dunham, B. Read, and A. R. Templeton. HK/LK polymorphism and its genetic determination in Speke's gazelle. *J. Hered.* 79: 325-331, 1988.
  55. Templeton, A.R., C.F. Sing, A. Kessling, and S. Humphries. A cladistic analysis of phenotypic associations with haplotypes inferred from restriction endonuclease mapping. II. The analysis of natural populations. *Genetics* 120: 1145-1154, 1988.
  56. Ahearn, J.N. and A.R. Templeton. Interspecific hybrids of *Drosophila heteroneura* and *D. silvestris*. I. Courtship success. *Evolution* 43: 347-361, 1989.
  57. Templeton, A.R., H. Hollocher, S. Lawler, and J.S. Johnston. Natural selection and ribosomal DNA in *Drosophila*. *Genome* 31: 296-303, 1989.
  58. Templeton, A.R., K. Shaw, E. Routman, and S.K. Davis. The genetic consequences of habitat fragmentation. *Ann. Missouri Bot. Gard.* 77: 13-27, 1990.
  59. Davis, S.K., J.E. Strassmann, C. Hughes, L.S. Pletscher and A.R. Templeton. Population structure and kinship in *Polistes* (Hymenoptera, Vespidae): an analysis using ribosomal DNA and protein electrophoresis. *Evolution* 44: 1242-1253, 1990.
  60. Templeton, A.R. The role of genetics in captive breeding and reintroduction for species conservation. *Endangered Species UPDATE* 8: 14-17, 1990.
  61. Hollocher, H., A.R. Templeton, R. DeSalle, and J.S. Johnston. The molecular through ecological genetics of *abnormal abdomen*. IV. Components of genetic variation in a natural population of *Drosophila mercatorum*. *Genetics* 130: 355-366, 1992.
  62. Templeton, A.R. Human origins and analysis of mitochondrial DNA sequences.

- Science 255: 737, 1992.
63. Sing, C.F., M.B. Haviland, K.E. Zerba and A.R. Templeton. Application of cladistics to the analysis of genotype-phenotype relationships. *European Journal of Epidemiology* 8 (Suppl. 1): 3-9, 1992.
  64. DeSalle, R. and A.R. Templeton. The mtDNA genealogy of closely related *Drosophila silvestris*. *Journal of Heredity* 83: 211-216, 1992.
  65. Templeton, A.R., K.A. Crandall, and C.F. Sing. A cladistic analysis of phenotypic associations with haplotypes inferred from restriction endonuclease mapping and DNA sequence data. III. Cladogram estimation. *Genetics* 132: 619-633, 1992.
  66. Sing, C.F., M.B. Haviland, A.R. Templeton, K.E. Zerba, and S.L. Reilly. Biological complexity and strategies for finding DNA variations responsible for inter-individual variation in risk of a common chronic disease, coronary artery disease. *Ann. Med.* 24: 539-547, 1992.
  67. Templeton, A.R. The "Eve" hypothesis: A genetic critique and reanalysis. *Amer. Anthropol.* 95: 51-72, 1993.
  68. Templeton, A. R., H. Hollocher and J. S. Johnston. The molecular through ecological genetics of *abnormal abdomen* in *Drosophila mercatorum*. V. Female phenotypic expression on natural genetic backgrounds and in natural environments. *Genetics* 134: 475-485, 1993.
  69. Templeton, A. R. and C. F. Sing. A cladistic analysis of phenotypic associations with haplotypes inferred from restriction endonuclease mapping. IV. Nested analyses with cladogram uncertainty and recombination. *Genetics* 134: 659-669. 1993.
  70. Crandall, K. A. and A. R. Templeton. Empirical tests of some predictions from coalescent theory with applications to intraspecific phylogeny reconstruction. *Genetics* 134: 959-969, 1993.
  71. Lawler, D. F., A. R. Templeton and K. L. Monti. Evidence for genetic involvement in feline dilated cardiomyopathy. *J. Vet. Int. Med.* 7: 383-387, 1993.
  72. Hollocher, Hope and A.R. Templeton. The molecular through ecological genetics of *abnormal abdomen* in *Drosophila mercatorum*. VI. The non-neutrality of the Y chromosome rDNA polymorphism. *Genetics* 136: 1373-1384, 1994.
  73. Georgiadis, N., L. Bischof, A. Templeton, J. Patton, W. Karesh, and D. Western. Structure and history of African elephant populations: I. Eastern and Southern Africa. *Journal of Heredity* 85: 100-104, 1994.
  74. Templeton, A.R. "Eve": hypothesis compatibility versus hypothesis testing. *Amer. Anthropol.* 96: 141-147, 1994.
  75. Castelloe, J. and A.R. Templeton. Root probabilities for intraspecific gene trees under neutral coalescent theory. *Mol. Phylo. Evol.* 3: 102-113, 1994.
  76. Templeton, A. R. Biodiversity at the molecular genetic level: experiences from disparate macroorganisms. *Phil. Trans. R. Soc. Lond. B* 345: 59-64, 1994.
  77. Carson, H. L., F. C. Val and A. R. Templeton. Change in male secondary sexual characters in artificial interspecific hybrid populations. *Proc. Natl. Acad. Sci., USA* 91: 6315-6318, 1994.
  78. Butler, M., A. R. Templeton and B. Read. DNA fingerprinting in Speke's gazelle: a test for genetic distinctness, and the correlation between relatedness and similarity. *Molecular Ecology* 3: 355-361, 1994.
  79. Routman, E., R. Wu and A. R. Templeton. Parsimony, molecular evolution, and biogeography: the case of the North American giant salamander. *Evol.* 48: 1799-1809, 1994.

80. Lawler, D. F., A. R. Templeton and K. L. Monti. Feline dilated cardiomyopathy: genetic aspects. *Veterinary Clinical Nutrition* 1(4): 159-162, 1995.
81. Templeton, A. R. A cladistic analysis of phenotypic associations with haplotypes inferred from restriction endonuclease mapping or DNA sequencing. V. Analysis of case/control sampling designs: Alzheimer's disease and the Apoprotein E locus. *Genetics* 140: 403-409, 1995.
82. McNearney, T., Z. Hornickova, A. R. Templeton, A. Birdwell, M. Arens, R. Markham, A. Saah and L. Ratner. Nef and LTR sequence variation from sequentially derived human immunodeficiency virus type 1 isolates. *Virology* 208: 388-398, 1995.
83. Templeton, A. R., E. Routman and C. Phillips. Separating population structure from population history: a cladistic analysis of the geographical distribution of mitochondrial DNA haplotypes in the Tiger Salamander, *Ambystoma tigrinum*. *Genetics* 140: 767-782, 1995.
84. Gerber, A. S. and A. R. Templeton. Population sizes and within-deme movement of *Trimerotropis saxatilis* (Acrididae), a grasshopper with a fragmented distribution. *Oecologia* 105: 343-350, 1996.
85. Markham, R. B., D. H. Schwartz, A. Templeton, J. B. Margolick, H. Farzadegan, D. Vlahov and X. Yu. Selective transmission of human immunodeficiency virus type 1 variants to SCID mice reconstituted with human peripheral blood mononuclear cells. *J. Virology* 70: 6947-6954, 1996.
86. Templeton, A. R. Experimental evidence for the genetic-transilience model of speciation. *Evol.* 50: 909-915, 1996.
87. Templeton, A. R. Gene lineages and human evolution. *Sci.* 272: 1363, 1996.
88. Ratner, L., T. Joseph, J. Bandres, S. Ghosh, N. V. Heyden, A. Templeton, B. Hahn, W. Powderly and M. Arens. Sequence heterogeneity of Nef transcripts in HIV-1 infected subjects at different stages of disease. *Virology* 223: 245-250, 1996.
89. Templeton, A. R. Contingency tests of neutrality using intra/interspecific gene trees: the rejection of neutrality for the evolution of the mitochondrial Cytochrome Oxidase II gene in the hominoid primates. *Genetics* 144: 1263-1270, 1996.
90. Templeton, A. R. Out of Africa? What do genes tell us? *Curr. Opinion Genet. & Develop.* 7: 841-847, 1997.
91. Templeton, A. R. and B. Read. Elimination of inbreeding depression from a captive population of Speke's gazelle: Validity of the original statistical analysis and confirmation by permutation testing. *Zoo Biol.* 17: 77-94, 1998.
92. Templeton, A. R. Nested clade analyses of phylogeographic data: testing hypotheses about gene flow and population history. *Mol. Ecol.* 7: 381-397, 1998.
93. Hammer, M. F., T. Karafet, A. Rasanayagam, E. T. Wood, T. K. Altheide, T. Jenkins, R. C. Griffiths, A. R. Templeton and S. L. Zegura. Out of Africa and back again: Nested cladistic analysis of human Y chromosome variation. *Mol. Biol. Evol.* 15: 427-441, 1998.
94. Templeton, A. R. Human Races: A Genetic and Evolutionary Perspective. *American Anthropologist* 100(3): 632-650, 1998.
95. Markham, R. B., W. Wang, A. E. Weisstein, Z. Wang, A. Munoz, A. R. Templeton, J. Margolick, D. Vlahov, T. Quinn, H. Farzadegan and X. Yu. Patterns of HIV-1 evolution in individuals with differing rates of CD4 T cell decline. *Proc. Natl. Acad. Sci. USA* 95: 12568-12573, 1998.
96. Templeton, A. R. The Complexity of The Genotype-Phenotype Relationship and the

- Limitations of Using Genetic “Markers” at the Individual Level. *Science in Context* 11(3/4): 373-389, 1998.
97. Crandall, K. A. and A. R. Templeton. The zoogeography and centers of origin of the crayfish subgenus *Procericambarus* (Decapoda : Cambaridae). *Evol.* 53: 123-134, 1999.
  98. Karafet, T. M., S. L. Zegura, O. Posukh, L. Osipova, A. Bergen, J. Long, D. Goldman, W. Klitz, S. Harihara, P. de Knijff, V. Wiebe, R. C. Griffiths, A. R. Templeton and M. F. Hammer. Ancestral Asian source(s) of New World Y-chromosome founder haplotypes. *Am. J. Hum. Genet.* 64(3): 817-831, 1999.
  99. Templeton, A. R. Uses of evolutionary theory in the human genome project. *Ann. Rev. Ecol. Syst.* 30: 23-49, 1999.
  100. Matioli, S. R. and A. R. Templeton. Coadapted gene complexes for morphological traits in *Drosophila mercatorum*. Two-loci interactions. *Heredity* 83: 54-61, 1999.
  101. Templeton, A. R. Experimental Tests of Genetic Transience. *Evol.* 53: 1628-1632, 1999.
  102. Durand, J. D., A. R. Templeton, B. Guinand, A. Imsiridou and Y. Bouvet. Nested clade and phylogeographic analyses of the chub, *Leuciscus cephalus* (Teleostei, Cyprinidae) in Greece: implications for Balkan Peninsula biogeography. *Mol. Phylogenet. Evol.* 13: 566-580, 1999.
  103. Hutchison, D. W. and A. R. Templeton. Correlation of pairwise genetic and geographic distance measures: inferring the relative influences of gene flow and drift on the distribution of genetic variability. *Evol.* 53: 1898-1914, 1999.
  104. Carneiro, M., X. F. Yu, C. Lyles, A. Templeton, A. E. Weisstein, M. Safaeian, H. Farzadegan, D. Vlahov, and R. B. Markham. The effect of drug-injection behavior on genetic evolution of HIV-1. *Journal of Infectious Diseases* 180:1025-1032, 1999.
  105. Templeton, A. R., A. G. Clark, K. M. Weiss, D. A. Nickerson, J. Stengård, E. Boerwinkle and C. F. Sing. Recombinational and mutational hotspots within the human *Lipoprotein Lipase* gene. *Am. J. Hum. Genet.* 66: 69-83, 2000.
  106. Posada, D., K. A. Crandall, and A. R. Templeton. GeoDis: a program for the cladistic nested analysis of the geographical distribution of genetic haplotypes. *Molecular Ecology* 9:487-488, 2000.
  107. Phillips, C. A., G. Suau and A. R. Templeton. Effects of Holocene climate fluctuation on mitochondrial DNA variation in the ringed salamander, *Ambystoma annulatum*. *Copeia* 2000: 542-545, 2000.
  108. Dominique Durand, J., E. Ünlü, I. Doadrio, S. Pipoyan and A. R. Templeton. Origin, radiation, dispersion and allopatric hybridization in the chub *Leuciscus cephalus*. *Proc. R. Soc. Lond. B* 267: 1687-1697, 2000.
  109. Templeton, A. R., A. G. Clark, K. M. Weiss, D. A. Nickerson, E. Boerwinkle and C. F. Sing. Cladistic structure within the human Lipoprotein Lipase gene and its implications for phenotypic association studies. *Genetics* 156: 1259-1275, 2000.
  110. Cruzan, M. B. and A. R. Templeton. Paleocology and coalescence: phylogeographic analysis of hypotheses from the fossil record. *Trends Evol. Ecol.* 15(12): 491-496, 2000.
  111. Templeton, A. R., S. D. Maskas and M. B. Cruzan. Gene Trees: A Powerful Tool for Exploring the Evolutionary Biology of Species and Speciation. *Plant Species Biology* 15(3): 211-222, 2000.
  112. Templeton, A. R. Using phylogeographic analyses of gene trees to test species

- status and processes. *Molecular Ecology* 10:779-791, 2001.
113. Templeton, A. R., R. J. Robertson, J. Brisson and J. Strasburg. Disrupting evolutionary processes: The effect of habitat fragmentation on collared lizards in the Missouri Ozarks. *Proc Natl Acad Sci U S A* 98(10): 5426-5432, 2001.
  114. Kramer, M. G., and A. R. Templeton. Life-history changes that accompany the transition from sexual to parthenogenetic reproduction in *Drosophila mercatorum*. *Evolution* 55:748-761, 2001.
  115. Templeton, A. R. Out of Africa again and again. *Nature* 416: 45 - 51, 2002.
  116. Antunes, A., A. R. Templeton, R. Guyomard, and P. Alexandrino. Correction: The role of nuclear genes in intraspecific evolutionary inference: Genealogy of the transferrin gene in the brown trout (vol 19, pg 1272, 2002). *Molecular Biology and Evolution* 19:1644, 2002.
  117. Branco, M., M. Monnerot, N. Ferrand and A.R. Templeton. Postglacial dispersal of the European rabbit (*Oryctolagus cuniculus*) on the Iberian peninsula reconstructed from nested clade and mismatch analyses of mitochondrial DNA genetic variation. *Evolution* 56: 792-803, 2002.
  118. Kramer, M.G., A.R. Templeton and K.G. Miller. Evolutionary implications of developmental instability in parthenogenetic *Drosophila mercatorum*. I. Comparison of several strains with different genotypes. *Evolution & Development* 4: 223-233, 2002.
  119. Kramer, M.G., A.R. Templeton and K.G. Miller. Evolutionary implications of developmental instability in parthenogenetic *Drosophila mercatorum*. II. Comparison of two strains with identical genotypes, but different modes of reproduction. *Evolution & Development* 4: 234-241, 2002.
  120. Templeton, A.R. "Optimal" randomization strategies when testing the existence of a phylogeographic structure: A reply to Petit and Grivet. *Genetics* 161: 473-475, 2002.
  121. Antunes, A., A.R. Templeton, R. Guyomard and P. Alexandrino. The role of nuclear genes in intraspecific evolutionary inference: genealogy of the transferrin gene in the brown trout. *Molecular Biology and Evolution* 19(8): 1272-1287, 2002.
  122. Templeton, A.R. The Speke's Gazelle Breeding Program as an Illustration of the Importance of Multilocus Genetic Diversity in Conservation Biology: Response to Kalinowski et al. *Conservation Biology* 16: 1151-1155, 2002.
  123. Williams, S. M., and A. R. Templeton. Race and Genomics. *New England Journal of Medicine* June 348:2581-2582, 2003.
  124. Bates, B. R., A. Templeton, P. J. Achter, T. M. Harris, and C. M. Condit. What does A gene for heart disease mean? A focus group study of public understandings of genetic risk factors. *American Journal of Medical Genetics* 119A:156-161, 2003.
  125. Brisson, J. A., J. L. Strasburg, and A. R. Templeton. Impact of fire management on the ecology of collared lizard (*Crotaphytus collaris*) populations living on the Ozark Plateau. *Animal Conservation* 6:247-254, 2003.
  126. Condit, C., A. R. Templeton, B. R. Bates, J. L. Bevan, and T. M. Harris. Attitudinal barriers to delivery of race-targeted pharmacogenomics among informed lay persons. *Genetics in Medicine* 5:385-392, 2003.
  127. Templeton, A. R. Statistical phylogeography: methods of evaluating and minimizing inference errors. *Molecular Ecology* 13:789-809, 2004.
  128. Templeton, A. R. Using Haplotype Trees for Phylogeographic and Species Inference in Fish Populations. *Environmental Biology of Fishes* 69:7-20, 2004.

129. Templeton, A. R., R. A. Reichert, A. E. Weisstein, X. F. Yu, and R. B. Markham. Selection in context: patterns of natural selection in the glycoprotein 120 region of human immunodeficiency virus 1 within infected individuals. *Genetics* 167:1547-1561, 2004.
130. Brisson, J. A., A. R. Templeton, and I. Duncan. Population Genetics of the Developmental Gene optomotor-blind (*omb*) in *Drosophila polymorpha*: Evidence for a Role in Abdominal Pigmentation Variation. *Genetics* 168:1999-2010, 2004.
131. Templeton, A. R., T. Maxwell, D. Posada, J. H. Stengard, E. Boerwinkle, and C. F. Sing. Tree Scanning: A Method for Using Haplotype Trees in Phenotype/Genotype Association Studies. *Genetics* 169:441-453, 2005.
132. Brisson, J. A., D. C. De Toni, I. Duncan, and A. R. Templeton. Abdominal pigmentation variation in *Drosophila polymorpha*: Geographic variation in the trait, and underlying phylogeography. *Evolution* 59:1046-1059, 2005.
133. Maxwell, T., M. Ameyaw, S. Pritchard, N. Thornton, G. Folayan, J. Githang'a, A. Indalo, M. Tariq, A. Mobarek, D. Price Evans, D. Ofori-Adjei, A. Templeton, and H. McLeod. Beta-2 adrenergic receptor genotypes and haplotypes in different ethnic groups. *International Journal of Molecular Medicine* 16:573-580, 2005.
134. Posada, D., T. J. Maxwell, and A. R. Templeton. TreeScan: a bioinformatic application to search for genotype/phenotype associations using haplotype trees. *Bioinformatics* 21:2130-2132, 2005.
135. Templeton, A., R. Haplotype Trees and Modern Human Origins. *Yearbook of Physical Anthropology* 48:33-59, 2005.
136. Posada, D., K. A. Crandall, and A. R. Templeton. Nested clade analysis statistics. *Molecular Ecology Notes* 6:590-593, 2006.
137. Rosenberg, S., A. Templeton, P. Feigin, D. Lancet, J. Beckmann, S. Selig, D. Hamer, and K. Skorecki. 2006. The association of DNA sequence variation at the MAOA genetic locus with quantitative behavioural traits in normal males. *Human Genet.* 120:447-459.
138. Templeton, A. R. 2006. God of the Gaps versus Life Is a Miracle: Two Perspectives on Evolution and Religion. *Forum on Public Policy* 2:882-893.
139. Templeton, A. R. 2007. Shared history of humans and gut bacteria: Evolutionary togetherness: coupled evolution of humans and a pathogen. *Heredity* 98:337-338.
140. Smith, A. R., and A. R. Templeton. 2007. Using prescribed fire to restore evolutionary processes at Ozark National Scenic Riverways: The case of the collared lizard. *Park Science* 24:84-88.
141. Templeton, A. R. 2007. Genetics and recent human evolution. *Evolution* 61:1507-1519.
142. Östman, Ö., N. W. Griffin, J. L. Strasburg, J. A. Brisson, A. R. Templeton, T. M. Knight, and J. M. Chase. 2007. Habitat area affects arthropod communities directly and indirectly through top predators. *Ecography* 30:359-366.
143. Strasburg J. L., M. Kearney, C. Moritz, and A. R. Templeton. 2007. Combining phylogeography with distribution modeling: multiple Pleistocene range expansions in a parthenogenetic gecko from the Australian arid zone. *PLoS ONE*. 2, e760.
144. Bar-David, S., O. Segev, N. Peleg, N. Hill, A. R. Templeton, C. B. Schultz, and L. Blaustein. 2007. Long-Distance Movements by Fire Salamanders (*Salamandra infraimmaculata*) and Implications for Habitat Fragmentation. *Israel Journal of Ecology and Evolution* 53:143 - 159.
145. Templeton, A. R., J. L. Neuwald, H. Brazeal, and R. J. Robertson. 2007. Restoring Demographic Processes in Translocated Populations: The Case of Collared Lizards in the Missouri Ozarks Using Prescribed Forest Fires. *Israel Journal of Ecology and Evolution* 53:179 - 196.

146. Gu C. C., K. Yu, S. Ketkar, A. R. Templeton, and D.C. Rao. 2008. On transferability of genome-wide tagSNPs. *Genetic Epidemiology* 32:89-97.
147. Bercovici, S., D. Geiger, L. Shlush, K. Skorecki, and A. Templeton. 2008. Panel construction for mapping in admixed populations via expected mutual information. *Genome Res.* 18:661-667.
148. Templeton, A. R. 2008. Nested clade analysis: an extensively validated method for strong phylogeographic inference. *Molecular Ecology* 17:1877-1880.
149. Templeton, A., R. 2008. The reality and importance of founder speciation in evolution. *BioEssays* 30:470-479.
150. Shlush, L. I., D. M. Behar, G. Yudkovsky, A. Templeton, Y. Hadid, F. Basis, M. Hammer, S. Itzkovitz, and K. Skorecki. 2008. The Druze: A population genetic refugium of the Near East. *PLoS ONE* 3:e2105.
151. Templeton, A. R. 2009. Statistical hypothesis testing in intraspecific phylogeography: nested clade phylogeographical analysis vs. approximate Bayesian computation. *Molecular Ecology* 18(2): 319-331.
152. Climer, S., G. Jager, A. R. Templeton, and W. Zhang. 2009. How frugal is Mother Nature with haplotypes? *Bioinformatics* 25:68-74.
153. Kowalski, J., S. J. Gange, M. F. Schneider, H.-L. Tsai, A. Templeton, Q. Shao, G. W. Zhang, M.-F. Yeh, M. Young, and R. B. Markham. 2009. Relationship of Injection Drug Use, Antiretroviral Therapy Resistance, and Genetic Diversity in the HIV-1 pol Gene. *JAIDS J Acquir Immune Defic Syndr* 50:381-389 310.
154. Gershoni, M., A. R. Templeton, and D. Mishmar. 2009. Mitochondrial bioenergetics as a major motive force of speciation. *BioEssays* 31:642-650.
155. Templeton, A., M. Kramer, J. Jarvis, J. Kowalski, S. Gange, M. Schneider, Q. Shao, G. W. Zhang, M.-F. Yeh, H.-L. Tsai, H. Zhang, and R. Markham. 2009. Multiple-infection and recombination in HIV-1 within a longitudinal cohort of women. *Retrovirology* 6:54-65.

#### CHAPTERS IN EDITED BOOKS (MOST PEER-REVIEWED)

1. Sing, C.F. and A.R. Templeton. A search for the genetic unit of selection. In: *Isozymes, IV: Genetics and Evolution*. C.L. Markert (ed.), pp. 115-129. Academic Press, N.Y., 1975.
2. Templeton, A.R. and E.D. Rothman. Evolution and fine-grained environmental runs. In: *Foundations and Applications of Decision Theory, Volume II: Epistemic and Social Applications*. C.A. Hooker, J.J. Leach and E.F. McClennen (eds.), pp. 131-183. Reidel Publishing Co., Dordrecht, Holland, 1978.
3. Templeton, A.R. and M.A. Rankin. Genetic revolutions and control of insect populations. In: *The Screwworm Problem*. R.H. Richardson (ed.), pp. 81-111. University of Texas Press, Austin, 1978.
4. Templeton, A.R. Genetics of colonization and establishment of exotic species. In: *Genetics in Relation to Insect Management*. M. Hoy, J. McKelvey and C. Koehler (eds.), pp. 41-49. Rockefeller Foundation Press, 1979.
5. Templeton, A.R. An informational analysis of patet in Central Javanese gamelan music. An appendix to: Becker, J., *Traditional Music in Modern Java*. University Press of Hawaii, 1980.
6. Templeton, A.R. Adaptation and the integration of evolutionary forces. In:

- Perspectives on Evolution*. R. Milkman (ed.), pp. 15-31. Sinauer, Sunderland, MA, 1982.
7. Templeton, A.R. The prophecies of parthenogenesis. In: *Evolution and Genetics of Life Histories*. H. Dingle and J.P. Hegmann (eds.), pp. 75-101. Springer-Verlag, New York, 1982.
  8. Templeton, A.R. and J.S. Johnston. Life history evolution under pleiotropy and K-selection in a natural population of *Drosophila mercatorum*. In: *Ecological Genetics and Evolution: The Cactus-Yeast-Drosophila Model System*. J.S.F. Barker and W.T. Starmer (eds.), pp. 225-239. Academic Press, New York, 1982.
  9. Johnston, J.S. and A.R. Templeton. Dispersal and clines in *Opuntia* breeding *Drosophila mercatorum* and *D. hydei* at Kamuela, Hawaii. In: *Ecological Genetics and Evolution: The Cactus-Yeast-Drosophila Model System*. J.S.F. Barker and W.T. Starmer (eds.), pp. 241-256. Academic Press, New York, 1982.
  10. Templeton, A.R. Genetic architectures of speciation. In: *Mechanisms of Speciation*. C. Barigozzi (ed.), pp. 105-121. Alan R. Liss, Inc., New York, 1982.
  11. Templeton, A.R. Convergent evolution and nonparametric inferences from restriction data and DNA sequences. In: *Statistical Analysis of DNA Sequence Data*. B.S. Weir (ed.), pp. 151-179. Marcel Dekker, Inc., New York, 1983.
  12. Templeton, A.R. and B. Read. The elimination of inbreeding depression in a captive herd of Speke's gazelle. In: *Genetics and Conservation: A Reference for Managing Wild Animal and Plant Populations*. C.M. Schonewald-Cox, S.M. Chambers, B. MacBryde, and L. Thomas (eds), pp. 241-261. Addison-Wesley, Reading, Mass., 1983.
  13. Templeton, A.R. The evolution of life histories under pleiotropic constraints and K-selection. In: *Population Biology*. H.I. Freedman and C. Strobeck (eds), pp. 64-71. Springer-Verlag, Berlin, 1983.
  14. Templeton, A.R. Natural and experimental parthenogenesis. In: *The Genetics and Biology of Drosophila, Vol. 3C*. M. Ashburner, H.L. Carson, and J.N. Thompson (eds.), pp. 343-398. Academic Press, London, 1983.
  15. Templeton, A.R. and L.E. Gilbert. Population genetics and the coevolution of mutualisms. In: *The Biology of Mutualism: Ecology and Evolution*. D. H. Boucher (ed), pp. 128-144. Crom Helm, London, 1985.
  16. Templeton, A.R. Relation of humans to African Apes: a statistical appraisal of diverse types of data. In: *Evolutionary Processes and Theory*. S. Karlin and E. Nevo (eds.), pp. 365-388. Academic Press, New York, 1986.
  17. Templeton, A.R. The relation between speciation mechanisms and macroevolutionary patterns. In: *Evolutionary Processes and Theory*. S. Karlin and E. Nevo (eds.), pp. 497-512. Academic Press, New York, 1986.
  18. Templeton, A.R. Coadaptation and outbreeding depression. In: *Conservation Biology: Science of Scarcity and Diversity*. M. Soule (ed), pp. 105-116. Sinauer, Sunderland, Massachusetts, 1986.
  19. Templeton, A.R. Genetic systems and evolutionary rates. In: *Rates of Evolution*. K.S.W. Campbell and M.F. Day (eds.), pp. 218-234. Allen & Unwin, London, 1987.
  20. Templeton, A.R. The role of genetics in conservation biology. In: *AAZPA Regional Conference Proceedings*. pp. 647-651. American Association of Zoological Parks and Aquaria, 1987.
  21. Templeton, A.R. Inferences on natural population structure from genetic studies on captive mammalian populations. In: *Mammalian Dispersal Patterns*. B.D. Chepko-

- Sade and Z.T. Halpin (eds.), pp. 257-272. The University of Chicago Press, Chicago, 1987.
22. Templeton, A.R., J.S. Johnston, and C.F. Sing. The proximate and ultimate control of aging in *Drosophila* and humans. In: *Evolution of Longevity in Animals*. A.D. Woodhead and K.H. Thompson (eds.), pp. 123-133. Plenum Press, New York, 1987.
  23. Templeton, A.R. and J.S. Johnston. The measured genotype approach to ecological genetics. In: *Population Genetics and Evolution*. G. de Jong (ed.), pp 138-146, Springer-Verlag, Berlin, 1988.
  24. Sing, C.F., E. Boerwinkle, P.P. Moll, and A.R. Templeton. Characterization of genes affecting quantitative traits in humans. In: *Proceedings of the Second International Conference on Quantitative Genetics*. B.S. Weir, E.G. Eisen, M.M. Goodman, and G. Namkoong (eds.), pp. 250-269. Sinauer, Sunderland, MA, 1988.
  25. Templeton, A.R. Founder effects and the evolution of reproductive isolation. In: *Genetics, Speciation and the Founder Principle*. L.V. Giddings, K. Kaneshiro, and W. Anderson (eds.), pp. 329-344. Oxford University Press, New York, 1989.
  26. Templeton, A.R. The meaning of species and speciation: a genetic perspective. In: *Speciation and its Consequences*. D. Otte and J.A. Endler (eds.), pp. 3-27. Sinauer, Sunderland, Mass., 1989.
  27. Templeton, A.R., H. Hollocher, S. Lawler, and J.S. Johnston. The ecological genetics of abnormal abdomen in *Drosophila mercatorum*. In: *Ecological and Evolutionary Genetics of Drosophila*. J.S.F. Barker (ed.), pp. 17-35. Plenum Press, New York, 1990.
  28. Templeton, A.R. Genetics and conservation biology. In: *Species Conservation: A Population-Biological Approach*. A. Seitz and V. Loeschcke (eds.), pp.15-29. Birkhäuser Verlag, Basel, 1991.
  29. Templeton, A.R. Off-site breeding of animals and implications for plant conservation strategies. In: *Genetics and Conservation of Rare Plants*. D.A. Falk and K.E. Holsinger (eds), pp.182-194. Oxford University Press, Oxford, 1991.
  30. Templeton, A.R. and B. Read. Inbreeding: One Word, Several Meanings, Much Confusion. In: *Conservation Genetics*, V. Loeschcke, J. Tomiuk, and S.K. Jain (eds.), pp. 91-106. Birkhäuser-Verlag, Basel, 1994.
  31. Templeton, A. R. The role of molecular genetics in speciation studies. In: *Molecular Ecology and Evolution: Approaches and Applications*. B. Schierwater, B. Streit, G. P. Wagner and R. DeSalle, eds. Pp. 455-477. Basel, Birkhäuser-Verlag, 1994.
  32. Crandall, K. A., A. R. Templeton and C. F. Sing. Intraspecific phylogenetics: Problems and solutions. In: *Models in Phylogeny Reconstruction*. R. W. Scotland, D. J. Siebert and D. M. Williams, eds. Pp. 273-297. Oxford, Clarendon Press, 1994.
  33. Templeton, A. R. Biodiversity at the molecular genetic level: experiences from disparate macroorganisms. In: *Biodiversity: Measurement and Estimation*. D. L. Hawksworth, ed. Pp. 59-64. London, Chapman & Hall, 1995.
  34. Sing, C. F., M. B. Haviland, A. R. Templeton and S. L. Reilly. Alternative genetic strategies for predicting risk of atherosclerosis. In: *Atherosclerosis X. Excerpta Medica International Congress Series*. F. P. Woodford, J. Davignon and A. D. Sniderman, eds. Pp. 638-644. Amsterdam, Elsevier Science Publishers B.V., 1995.
  35. Templeton, A. R. Chapter 5.2.1: Genetic diversity and ecosystem functioning. In: *Global Biodiversity Assessment*. V. H. E. E. Heywood, ed. Pp. 285-289. Cambridge, Cambridge University Press, for the United Nations Environment

- Programme, 1995.
36. Crandall, K. A. and A. R. Templeton. Applications of intraspecific phylogenetics. In: *New Uses for New Phylogenies*. P. Harvey, A. J. L. Brown, J. M. Smith and S. Nee, eds. Pp. 81-99. Oxford, Oxford University Press, 1996.
  37. Templeton, A. R. Cladistic approaches to identifying determinants of variability in multifactorial phenotypes and the evolutionary significance of variation in the human genome. In: *Variation in the Human Genome*. G. Cardew, ed. Pp. 259-283. Chichester, John Wiley & Sons, 1996.
  38. Templeton, A. R. Translocation in conservation. In: *Biodiversity in Managed Landscapes: Theory and Practice*. R. C. Szaro and D. W. Johnston, eds. Pp. 315-325. Oxford, Oxford University Press, 1996.
  39. Templeton, A. R. and N. J. Georgiadis. A landscape approach to conservation genetics: conserving evolutionary processes in the African Bovidae. In: *Conservation Genetics: Case Histories From Nature*. J. C. Avise and J. L. Hamrick, eds. Pp. 398-430. New York, Chapman & Hall, 1996.
  40. Templeton, A. R. Testing the out of Africa replacement hypothesis with mitochondrial DNA data. In: *Conceptual Issues in Modern Human Origins Research*. G. A. Clark and C. M. Willermet, eds. Pp. 329-360. New York, Aldine de Gruyter, 1997.
  41. Templeton, A. R. Linkage mapping versus the candidate gene approach. Proceedings of the 6th World Congress on Genetics Applied to Livestock Production 26: 175-182, 1998.
  42. Templeton, A. R. Species and speciation: geography, population structure, ecology, and gene trees. In: *Endless Forms: Species and Speciation*. D. J. Howard and S. H. Berlocher, eds. Pp. 32-43. Oxford, Oxford University Press, 1998.
  43. Templeton, A. R. The role of molecular genetics in speciation studies. In: *Molecular Approaches to Ecology and Evolution*. R. DeSalle and B. Schierwater, eds. Pp. 131-156. Basel, Birkhäuser-Verlag, 1998.
  44. Kardia, S. L. R., J. Stengård and A. R. Templeton. An evolutionary perspective on the genetic architecture of susceptibility to cardiovascular disease. In: *Evolution in Health and Disease*. S. C. Stearns, ed. Pp. 231-245. Oxford, Oxford University Press, 1999.
  45. Templeton, A. R. Using gene trees to infer species from testable null hypothesis: cohesion species in the *Spalax ehrenbergi* complex. In: *Evolutionary Theory and Processes: Modern Perspectives, Papers in Honour of Eviatar Nevo*. S. P. Wasser, ed. Pp. 171-192. Dordrecht, Kluwer Academic Publishers, 1999.
  46. Crandall, K. A. and A. R. Templeton. Statistical approaches to detecting recombination. In: *The Evolution of HIV*. K. A. Crandall, ed. Pp. 153-176. Baltimore, The Johns Hopkins University Press, 1999.
  47. Templeton, A. R. Epistasis and complex traits. In: *Epistasis and the Evolutionary Process*. J. B. Wolf, E. D. Brodie III, and M. J. Wade, eds. Pp. 41-57. Oxford, Oxford University Press, 2000.
  48. Templeton, A. R. The genetic and evolutionary significance of human races. In: *Race and Intelligence: Separating Science From Myth*. J. M. Fish, ed. Pp. 31-56. Mahwah, New Jersey, Lawrence Erlbaum Associates, 2002.
  49. Templeton, A. R. Human races in the context of recent human evolution: a molecular genetic perspective. In: *Genetic Nature/Culture*. A. H. Goodman, D. Heath and M. S. Lindee, eds. Pp. 234-257. University of California Press, Berkeley,

- 2003.
50. Templeton, A. R. A maximum likelihood framework for cross validation of phylogeographic hypotheses. Pp. 209-230 *in* S. P. Wasser, ed. *Evolutionary Theory and Processes: Modern Horizons*. Kluwer Academic Publishers, Dordrecht, The Netherlands, 2004.
  51. Templeton, A. R. 2004. Using Haplotype Trees for Phylogeographic and Species Inference in Fish Populations. Pp. 7-20 *in* A. J. Gharrett, R. G. Gustafson, J. L. Nielson, J. E. Seeb, L. W. Seeb, W. W. Smoker, G. H. Thorgaard and R. L. Wilmot, eds. *Genetics of Subpolar Fish and Invertebrates*. Kluwer, Dordrecht, The Netherlands.
  52. Templeton, A. R. 2005. When does life begin? An evolutionary genetic answer to a central ethical question. Pp. 1-20 *in* S. Blazer and E. Z. Zimmer, eds. *The Embryo from Conception to Birth. Scientific Discovery, Medical and Ethical Dilemmas*. Karger, Basel.
  53. Templeton, A. R. 2006. Out of Africa again and again. Pp. 617-625 *in* R. L. Ciochon and J. G. Fleagle, eds. *The Human Evolution Source Book, 2<sup>nd</sup> Edition*. Pearson/Prentice Hall, Upper Saddle River, NJ.
  54. Templeton, A. R. 2006. Human races: a genetic and evolutionary perspective. Pp. 657-673 *in* R. L. Ciochon and J. G. Fleagle, eds. *The Human Evolution Source Book, 2<sup>nd</sup> Edition*. Pearson/Prentice Hall, Upper Saddle River, NJ.
  55. Templeton, A. R. 2007. Population biology and population genetics of Pleistocene Hominins. Pp.1825-1859 *in* W. Henke, H. Rothe and I. Tattersall, eds. *Handbook of Palaeoanthropology, Vol 3*. Springer-Verlag, Berlin.
  56. Bercovici, S., D. Geiger, L. Shlush, K. Skorecki, and A. Templeton. 2008. Panel Construction for Mapping in Admixed Populations Via Expected Mutual Information. Pp. 435-449 *in* <sup>TM</sup>. Springer, Berlin / Heidelberg.
  57. Templeton, A. R. 2008. Gene Flow, Haplotype Patterns and Modern Human Origins in D. N. Cooper, and H. Kehrer-Sawatzki, eds. *Handbook of Human Molecular Evolution*. Wiley-VCH Verlag GmbH & Co., Weinheim, Germany.
  58. Templeton, A. R. 2009. Testing the null hypothesis of reproductive isolation between two geographical regions in a specific time period with multi-locus nested clade analysis. Pp. 81-84 *in* A. Korol, and S. P. Wasser, eds. *The Evolution of Eibi Nevo (In Honor of His 80<sup>th</sup> Birthday)*. Institute of Evolution, University of Haifa, Haifa, Israel.

#### OTHER PUBLICATIONS

1. Templeton, A.R. Chapter 29, "Population and Evolutionary Biology", and Chapter 30, "Community Biology and Ecosystems," *in*: *Biology Today*, Third Edition, by D.L. Kirk, pp. 882-941. Random House, N.Y., 1980.
2. Templeton, A.R. and L.V. Giddings. Letter on "Macroevolution." *Sci.* 211: 770-771, 1981.
3. Templeton, A.R. An evolutionist's view of creation science. *Subject to Change*, Vol. 8, No. 3, pp. 10-16, 1982.
4. Templeton, A.R. Evolution vs. creationism. *Discovery*, Vol. 11, No. 3, pg. 6, 1982.
5. Templeton, A.R. Allometry in human evolution. Boxed insert *in* *Biology*, by P.H. Raven and G.B. Johnson, pp. 480-481. Times Mirror/Mosby College Publishing, St. Louis, 1986.

6. Coauthor as Member, UNESCO-MAB/IUBS/SCOPE Workshop on a Research Agenda for Biodiversity (O.T. Solbrig, ed.). From Genes to Ecosystems: A Research Agenda for Biodiversity. 124 pp. International Union of Biological Sciences, Paris, 1991.
7. Nigh, T.A., W.L. Pflieger, P.L. Redfearn, Jr., W.A. Schroeder, A.R. Templeton, and F.R. Thompson, III (alphabetical order). *The Biodiversity of Missouri*, 53 pp. Missouri Department of Conservation, Jefferson City, Missouri, 1992.
8. Templeton, A.R. Coadaptation, local adaptation, and outbreeding depression. Essay in *Principles of Conservation Biology*, by G.K. Meffe and C.R. Carroll, pp. 152-153. Sinauer Associates, Inc., Sunderland, MA, 1994.
9. Schull, W. J., G. J. Annas, N. Arnheim, J. Blangero, A. Chakravarti, V. R. Dominguez, G. Dunston, W. H. Goodenough, R. R. Hudson, E. Juengst, M. M. Kaback, D. R. Masys, K. Moseley, R. Sokal, A. R. Templeton, L. Tsui and G. C. Williams. *Evaluating Human Genetic Diversity*. Washington, D.C., National Academy Press, 1997.
10. Templeton, A. R. "Species" entry in *The Norton Dictionary of Modern Thought*, 3rd Edition. A. Bullock and S. Trombley, eds., Norton Press, 1999.
11. Templeton, A. R. "Evolution" entry in the World Book Encyclopedia, 2002.
12. Templeton, A. R. Jenin and the Commitment to Torah. St. Louis Jewish Light Vol 55, No. 20, pg. 6, May 15, 2002.
13. Templeton, A.R. Coronary Heart Disease. *Encyclopedia of Evolution, Volume 1*: 210-212. M. Pagel (ed.) Oxford University Press, Oxford, 2002.
14. Templeton, A. R. Opinion: Against recent replacement. Boxed insert in *Human Evolutionary Genetics*, by M.A. Jobling, M.E. Hurles, and C. Tyler-Smith. Pg. 261. Garland Publishing, New York, 2004.
15. Templeton, A. R. Get facts straight on embryo issues. Letter to the Editor, St. Louis Post-Dispatch, Feb. 14, 2005.
16. Templeton, A. R. Coadaptation, local adaptation, and outbreeding depression. Essay in *Principles of Conservation Biology*, 3<sup>rd</sup> Edition, by M. J. Groom, G.K. Meffe, C.R. Carroll and Contributors, pp. 385-386. Sinauer Associates, Inc., Sunderland, MA, 2006.
17. Templeton, Alan R. Gene Flow, Haplotype Patterns and Modern Human Origins. In: ENCYCLOPEDIA OF LIFE SCIENCES. John Wiley & Sons, Ltd: Chichester <http://www.els.net/> [10.1002/9780470015902.a0020795], 2007.
18. Templeton, A. R. Symbiosis. Pp. 1065. World Book Encyclopedia. World Book, Inc., Chicago, 2008.

## SEMINARS AND SYMPOSIA

### INVITED SEMINARS

- 1973 State University of New York at Stony Brook.  
 University of Wisconsin, Madison.  
 Purdue University.  
 University of Illinois, Urbana.  
 University of Texas at Austin.
- 1974 University of Hawaii.  
 University of Texas at Austin.
- 1975 University of California at Davis.

- 1976 Universidade de São Paulo, Brazil.  
Universidade Estadual Paulista de São Jose do Rio Preto.  
Museu de Zoologia da Universidade de São Paulo.  
Universidade Estadual Paulista de Araraquara.  
University of Texas at Houston.  
Baylor University.  
University of Iowa.
- 1977 Washington University.  
University of Michigan at Ann Arbor.
- 1978 St. Louis University.  
Stanford University.
- 1979 University of Illinois, Urbana.  
University of California at Riverside.  
University of Kansas, Lawrence.  
University of Missouri, St. Louis.
- 1980 University of Rochester.  
University of Iowa.  
Ohio State University.  
University of Texas at Austin.  
Stanford University.
- 1981 St. Louis University.  
Duke University.  
University of Michigan at Ann Arbor.  
Rice University.  
University of Texas at Houston.  
University of New Mexico, Albuquerque.
- 1982 University of Maryland.  
State University of New York at Stony Brook.  
University of Utah.  
Yale University.  
University of Illinois, Urbana.  
Washington University.
- 1983 Cornell University.  
Syracuse University.  
University of Arizona.  
Washington University.
- 1984 University of Pennsylvania.  
Honolulu Zoo.  
University of Hawaii (separate seminars to the Departments of Entomology, Genetics, and  
Zoology and the Population Genetics Laboratory).  
Washington State University.  
University of California at Berkeley.  
University of North Carolina.  
Washington University.
- 1985 University of Michigan.  
Kalamazoo College.
- 1986 Kellogg Biological Station, Michigan.  
University of Michigan (Human Genetics).

- University of Michigan (Biological Sciences).  
Wayne State University, Detroit.  
Michigan State University, East Lansing.  
Texas A&M University, College Station.
- 1987 Syracuse University, New York.
- 1988 University of Washington, Seattle.  
University of Texas, Austin.  
Texas A&M University, College Station.  
LaTrobe University, Bundoora, Australia.  
CSIRO, Canberra, Australia.  
University of New England, Armidale, Australia.  
Flinders University, Adelaide, Australia.  
University of Adelaide, Australia.  
University of Sydney, Australia.  
Washington University, St. Louis.  
St. Louis University, St. Louis.  
Yale University, New Haven.
- 1989 Yale University, New Haven.  
University of Puerto Rico, Rio Piedras.  
University of Missouri, Columbia.  
University of Michigan, Ann Arbor.
- 1990 Boston University, Boston.  
University of Puerto Rico, Rio Piedras.  
University of Windsor, Ontario.  
New Mexico State University, Las Cruces.  
Washington University, St. Louis.  
Southwest Missouri State University, Springfield.
- 1991 AAZPA Conservation Academy, St. Louis  
Universidade de São Paulo, Brazil  
Universidade Estadual Paulista de Riberão Preto  
Universidade de Campinas  
University of Vermont, Burlington.
- 1992 University of South Carolina, Columbia  
AAZPA Conservation Academy, St. Louis  
University of Michigan, Ann Arbor  
Michigan State University, East Lansing  
Uppsala University, Uppsala, Sweden  
University of Oxford, England  
University College of London, England  
University of Edinburgh, Scotland  
Gulbenkian Institute of Science, Oeiras, Portugal  
University of Basel, Switzerland
- 1993 University of Aarhus, Denmark  
University of São Paulo, Brazil
- 1994 Washington University School of Medicine, St. Louis  
Washington University, Biology, St. Louis  
University of North Carolina at Greensboro  
Rice University, Houston, TX

Texas A&M University, College Station  
University of Connecticut, Storrs  
University of Delaware, Newark  
Washington University, Anthropology, St. Louis  
University of Arkansas  
Cornell University, Ithaca, NY

1995 Johan Gutenberg Universität Mainz, Germany  
Kansas State University, Manhattan  
Johns Hopkins University

1996 Princeton University  
San Francisco State University  
St. Louis University

1997 University of North Dakota

1998 Texas A&M University  
University of Illinois  
University of Missouri, Columbia  
Fontbonne College, St. Louis  
Field Museum of Natural History, Dept. of Anthropology, Chicago  
Washington University, Biology, St. Louis

1999 Washington University, Biostatistics, St. Louis  
Washington University, Genetics, St. Louis  
University of Washington, Department of Molecular Biotechnology  
University of Washington, Department of Microbiology  
Universidade de São Paulo, Riberão Preto, Brazil  
Universidade de São Paulo, São Paulo, Brazil  
University of the North, Pietersburg, South Africa  
University of Venda, South Africa  
University of Pretoria, South Africa  
Webster University, St. Louis

2000 Johns Hopkins University, Baltimore  
The Technion Institute, Haifa, Israel  
University of Haifa, Israel  
Whitman College, Walla Walla, WA  
University of Haifa, Israel  
Weizman Institute, Israel  
Washington University School of Medicine  
University of Michigan School of Medicine

2001 Universidade do Porto, Portugal (3 seminars)  
University of Michigan Museum of Natural History  
Southern Illinois University at Carbondale  
San Diego State University  
University of Arkansas, Fayetteville  
University of California, Davis  
Rappaport Institute at the Technion Institute, Haifa, Israel (2 seminars)  
Variagenics, Inc., Cambridge, MA  
University of Maryland, College Park, MD

2002 University of Haifa, Institute of Evolution, Israel  
The Technion Institute, Haifa

- The Rappaport Institute, Haifa  
 University of Haifa, Department of Anthropology, Israel  
 Weizmann Institute, Rehovot, Israel  
 Washington University (Dept. of Mathematics)
- 2003 The Technion Institute, Haifa  
 The Academy of Science, St. Louis  
 The University of Guelph, Canada
- 2004 Chulalongkorn University, Bangkok, Thailand  
 Institute of Evolution, University of Haifa  
 Washington University, St. Louis
- 2005 University of Texas, Austin  
 Pharmacogenetics Research Network Retreat, Innsbrook, MO  
 Notre Dame University, South Bend, IN  
 Vanderbilt University, Nashville, TN  
 Instituto de Ecología, Xalapa, México  
 Truman State University, Kirksville, MO
- 2006 University of Tel Aviv, Israel  
 University of Haifa, Institute of Evolution, Israel  
 University of Georgia, Athens, GA  
 Indiana State University, Terre Haute, IN  
 University of Illinois, Champaign-Urbana, IL  
 University of Michigan, Ann Arbor, MI  
 University of Wisconsin, Madison  
 Wohl Clinic, Washington University School of Medicine, St. Louis, MO
- 2007 University of Haifa, Israel (2 seminars)  
 Weizmann Institute, Rehovot, Israel  
 Hebrew University, Jerusalem, Israel  
 Institute for Advanced Studies, Jerusalem, Israel  
 Tel Aviv University  
 Ben Gurion University, Sdeh Boker, Israel  
 Washington University, St. Louis, MO
- 2008 Institute of Evolution, Haifa, Israel  
 Universidade Federal de São Carlos, SP, Brazil  
 Truman State University, Kirksville, MO Math/Biology Program  
 Truman State University, Kirksville, MO Department of Biology  
 Illinois State University, Normal, IL
- 2009 University of Texas School of Public Health, Houston, TX  
 Truman State University, Kirksville, MO

#### INVITED SYMPOSIUM AND KEYNOTE SPEAKER

1973. An informational analysis of patet in Javanese gamelan music. Symposium on *New Methods in Musicology*, Annual Meeting of the Society of Ethnomusicology. Urbana, Illinois.
1975. Bad luck and good decisions in evolution. Symposium on *Probability and Decision Theory*. London, Ontario.
1976. Evolution vs. optimization in ecological genetics. Symposium on *Ecological Parameters of Population Genetics*, at the Annual Meeting of the Genetics Society of America. Salt Lake City, Utah.

1977. Genetic revolutions and control of insect populations. Symposium on *Biological Control and Evolutionary Processes*. Waco, Texas.
1978. Genetics of colonization and establishment of exotic species. Symposium on *Genetics in Relation to Insect Management*. Bellagio, Italy.  
Some possible relationships between rapid speciation, small effective size and breeding systems. Symposium on *The Dynamics of Speciation in Plants and Animals*. Tokyo, Japan.
1979. A new theory for speciation via the founder effect. Symposium on *Population Genetics*. The Annual Drosophila Meeting. Bloomington, Indiana.  
A new theoretical approach to life history strategies in plants. Symposium on *The Demographic Approach to Plant Population Genetics*. Meeting of the Genetics Societies of America and Canada. Edmonton, Alberta.  
The complexity of interspecific interactions. Symposium on *Interspecific Interactions*. Midwest Conference on Population Biology. Urbana, Illinois.
1980. Seed pools as an adaptation to randomly varying environments. *The Institute of Mathematical Statistics and Biometrics Society Satellite Conference*. Davis, California.  
The prophecies of parthenogenesis. Keynote address at *Symposium on Variation in Life Histories: Genetics and Evolutionary Processes*. Iowa City, Iowa.  
A genetic complex affecting aging and juvenile hormone in *Drosophila mercatorum*. Fund for Integrative Biomedical Research Conference on *Juvenile Hormone and Retinoic Acid: Their Possible Role in Aging*. Washington, D.C.
1981. Mechanisms of speciation: a population genetic perspective. *International Symposium on Mechanisms of Speciation*. Rome, Italy.  
Some rarely-told tales of Sickle-cell, and other adaptive stories. Symposium on *Perspectives on Evolution*, Joint Meeting of the Society for the Study of Evolution and The American Society of Naturalists. Iowa City, Iowa.
1982. Life history evolution under pleiotropy and K-selection in a natural population of *Drosophila mercatorum*. International Symposium on *Ecological Genetics and Evolution: The Cactus-Yeast-Drosophila Model System*. Oracle, Arizona.  
Use of recombinant DNA technology in population genetics. NIGMS Council Symposium on *New Views of Genetic Adaptation*. Bethesda, Maryland.  
A molecular view of the evolution of man. *Darwin Centenary Lecture Series*. Salt Lake City, Utah.  
The elimination of inbreeding depression in a captive herd of Speke's gazelle. Man and the Biosphere Symposium on *Applications of Genetics to the Management of Wild Plant and Animal Populations*. Washington, D.C.  
Life history evolution under pleiotropy and K-selection. International Symposium on *Theoretical Population Biology*. Edmonton, Alberta.  
The origin of species. *Origins Symposium Series*. University of Illinois, Urbana.
1983. The evolution of man: from molecules to morphology. Evolution '83 (a joint meeting of the Genetics Society of America, The American Society of Naturalists, The Society for the Study of Evolution, and the Stadler Symposium), St. Louis, Missouri.
1984. The molecular through ecological genetics of abnormal abdomen in *Drosophila mercatorum*. 25th Annual Drosophila Research Conference, Chicago, Illinois.  
Inbreeding vs. Outbreeding Depressions in Captive Populations. Conference on *Genetic Management of Captive Populations*, Front Royal, Virginia.  
Inferences on natural population structure from genetic studies on captive mammalian populations. Symposium on *Mammalian Dispersal Patterns*, American Society of

- Zoologists, Denver, Colorado.
1985. Genetic systems and evolutionary rates. Symposium on *Rates of Evolution*, Canberra, Australia.
- The relation between speciation mechanisms and macroevolutionary patterns. International Workshop Conference on *Evolutionary Processes and Theory*, Israel.
- Relation of humans to African apes: a statistical appraisal of diverse types of data. International Workshop Conference on *Evolutionary Processes and Theory*, Israel.
- Coadaptation and outbreeding depression. Second Conference on *Conservation Biology*, Ann Arbor, Michigan.
- Founder effects and the evolution of reproductive isolation. International Symposium on *Genetics, Speciation and the Founder Principle in Honor of Hampton L. Carson*, Honolulu, Hawaii.
1986. The molecular through ecological genetics of abnormal abdomen in *Drosophila*. 50th Anniversary Symposium of the Bureau of Biological Research at Rutgers, *A Molecular View of Evolution*. Piscataway, New Jersey.
- The measured genotype approach of integrating molecular and ecological genetics. *European Population Biology Conference*, Woudschoten, The Netherlands.
- The evolution of parthenogenesis in *Drosophila*. Symposium on *Parthenogenesis in Plants and Animals*. Finse, Norway.
- The proximate and ultimate control of aging in humans and *Drosophila*. Symposium on *Aging Processes in Animals*. Brookhaven National Laboratories, Upton, New York.
1987. The role of genetics in conservation biology. American Association of Zoological Parks and Aquariums Conference. St. Louis, Missouri.
- The meaning of species and speciation -- a genetic perspective. Symposium on *Speciation and Adaptation*. The Academy of Natural Sciences of Philadelphia.
1988. The measured genotype approach to quantitative and ecological genetics. Opening talk, Genetics Society of Australia Annual Meeting, Bundoora, Australia.
- Natural selection and rDNA in *Drosophila*. Symposium on *Molecular Biology of Natural Selection*, XVI International Congress of Genetics, Toronto, Canada.
- The genetic consequences of habitat fragmentation. 35th Annual Systematics Symposium on *Conserving Biological Diversity: Prospects for the 21st Century*. Missouri Botanical Garden.
1989. The ecological genetics of abnormal abdomen in *Drosophila mercatorum*. U.S./Australia Symposium on *Ecological and Evolutionary Genetics of Drosophila*. Armidale, Australia.
- Offsite breeding of animals and implications for plant conservation strategies. Center for Plant Conservation Symposium on *The Genetics and Population Biology of Rare Plants: Implications for Conservation and Management*. Missouri Botanical Garden.
- Habitat fragmentation: genetic problems and solutions. 58th Annual Meeting of the Genetics Society of America. Symposium on *Genetics of Conservation*. Atlanta, Georgia.
- Genetics and Conservation Biology. Symposium on *Conservation: a population biological approach*. Mainz, Federal Republic of Germany.
1990. Genetics and Conservation Biology. Millercomm90 Symposium Series on *Biodiversity*. University of Illinois, Urbana.
- Conservation Forensics. American Genetic Association Symposium. San Diego, California.
1991. Genetic Basis of Coronary Artery Disease in Humans. Diebold Symposium. Kalamazoo, Michigan.

- Genetics and Conservation Biology. Pew Symposium on *Ecology and Molecular Biology*. Princeton, New Jersey.
- Genetics and Conservation Policy: The Ivory Trade and the Endangered Species Act. World Ecology Day Symposium, International Center for Tropical Ecology, St. Louis.
1992. The Cohesion Species Concept. Can Founding Events Induce Speciation? Implementing the Cohesion Concept: Implications for Conservation Biology. Symposium on *Speciation and its Consequences*. Lund, Sweden.
- The Practical Implementation of the Cohesion Species Concept. Symposium on *Phylogenetic Analysis and Population Biology*. V International Symposium of the International Organization of Plant Biosystematists, St. Louis, Missouri.
- Implications of Coalescent Theory for Intraspecific Phylogeny Reconstruction (with Keith Crandall). Symposium on *Coalescent Theory and its Applications to Population Genetics and Phylogenetics*. Society for the Study of Evolution Annual Meeting, Berkeley, California.
- Gene Tree Overlay Algorithms: A Powerful Methodology for Studying Evolution. Symposium on *Evolution as a Computational Process*. Monterey, California.
- Translocation as a Conservation Tool. USDA Forest Service Symposium on *Biodiversity in Managed Landscapes*. Sacramento, California.
- Concepts of Species. The Candidate Locus Approach to Quantitative Genetics. Gulbenkian Institute Symposium on *Basic Analytical Tools in Population Genetics and Evolution*, Oeiras, Portugal.
1993. Missouri Biodiversity: Processes and Patterns. Symposium on *Biodiversity Through Integrated Resource Management*. Missouri Forest, Fish and Wildlife Conference, Lake of the Ozarks, Missouri.
- A cladistic approach to quantitative genetic analysis. Gordon Research Conference on Quantitative Genetics. Ventura, California.
- Inbreeding: One Word, Several Meanings, Much Confusion. Symposium on *Conservation Genetics*. Sandbjerg, Denmark.
- Separating Population Structure from Population History. Symposium on *Molecular Evolution and Systematics*, Genetics Society of Canada, Quebec City.
- Theories of Speciation, a set of five, three-hour lectures for the “Andre Dreyfus Memorial Lectures on Evolution.” University of São Paulo, São Paulo, Brazil.
- Habitat Restoration in the Ozarks. Symposium on *Conservation and Education*, Association of Zoological Horticulture Annual Meeting, St. Louis, Missouri.
- Mitochondrial Eve: what does mitochondrial DNA really tell us about recent human evolution? Sigma Xi Lecture Series, St. Louis, Missouri.
1994. Functional Properties of Biodiversity: Genetics and Population Structure. SCOPE/UNEP Biodiversity Synthesis Conference, Asilomar, California.
- What are Gene Trees and What Good Are They? A set of three lectures for the “Russell Marker Lectures in Evolutionary Biology.” Pennsylvania State University.
- All About Eve: the Genetic Origins of Modern Humans. Winthrop Rockefeller Distinguished Lecture, University of Arkansas.
- Using the Evolutionary History of Small DNA Regions to Understand our Past and Our Present. National Association of Biology Teachers Convention, St. Louis, Missouri.
1995. The Genetics of Restoration: Reintroducing Collared Lizards on Restored Glade Habitats in the Ozarks. Federal Environmental Research Conference, Lubast, Germany.
- Cladistic Approaches to Identifying Determinants of Variability in Multifactorial Phenotypes and the Evolutionary Significance of Variation in the Human Genome. CIBA

- Foundation Symposium No. 197, *Variation in the Human Genome*. London.  
 Cladistic Approaches to Identifying Determinants of Variability in Multifactorial Phenotypes. Wellcome Centre for Medical Science Symposium on *Variation in the Human Genome*. London.
- Genetic Diversity of Common Human Diseases. Brazilian Society of Genetics Symposium on *Diversidade Genética: Teoria, Prática e Ética*. Caxambu, Brazil.
- Abnormal Abdomen: A Developmental Syndrome on the Edge of Chaos. Keynote address at the symposium on *Evolution of Development: Molecules, Mechanisms, Phylogenetics*. Bodega Bay, California.
- The Use of Gene Trees in Studying Genotype/Phenotype Associations. Symposium on *Molecular Evolution* at the Annual Meeting of the Amer. Society of Agronomy, Crop Science Soc. of Amer., and Soil Sci. Soc. of Amer., St. Louis.
1996. Species and Speciation: Geography, Population Structure, Ecology, and Gene Trees. Symposium on *Speciation: Endless Forms*. Asilomar, California.
- Genetic Architecture: Getting to the Heart of the Matter. Presidential Address at the 50th Anniversary of the Founding of the Society for the Study of Evolution, St. Louis.
- On the Origins of Species. Plenary Lecture, Fifth International Congress of Systematic and Evolutionary Biology, Budapest.
- Microgeographical and ecological differentiation in tytoparthenogenetic capacity in *Drosophila mercatorum*. Symposium on *Geographical Parthenogenesis: A Model System in Evolutionary Ecology*. Fifth International Congress of Systematic and Evolutionary Biology, Budapest.
- The Evolution of Anatomically Modern Humans: What Do Gene Trees Really Tell Us? Symposium on *The Phylogeny of Life and The Accomplishments of Phylogenetic Biology*. Tucson, Arizona.
- Recent Human Evolution: The Other Side of the Story. Keynote Address, 30th Annual Isozyme Conference. Grenada.
1997. Nested cladistic analysis of candidate genes for phenotypic variation. Gordon Conference on Quantitative Genetics and Biotechnology. Ventura, California.
- A critique in the use of genetic data in analyzing human origins. Symposium on *Interpreting Patterns of Human Genetic Diversity*. 22nd Annual Meeting of the Human Biology Association. St. Louis, Missouri.
- The complexity of the genotype-phenotype relationship and the limitations of using genetic markers at the individual level. International Workshop on *Eugenic Thought and Practice: A Reappraisal Towards the End of the Twentieth Century*. Van Leer Institute. Jerusalem, Israel.
- Use of genetic data in analyzing human origins: the implications for racial groups. Fourth International Samuel L. Kountz Symposium. Washington, D.C.
- Smokey the Bear versus Collared Lizards: Landscape management in the Ozarks. George C. Wheeler Distinguished Lecturer. University of North Dakota, Grand Forks.
- Linkage disequilibrium in candidate gene regions. NIGMS Symposium on *Genetic Architecture of Complex Traits*. Bethesda, Maryland.
1998. Linkage mapping versus the candidate gene approach. Symposium on *Candidate Genes*. 6th World Congress on Genetics Applied to Livestock Production. Armidale, Australia.
- Landscape management: The collared lizard vs. Smokey the Bear. Conservation Forum. St. Louis, Missouri.
- Using gene trees to separate population structure from population history, *and* Using gene trees to define species under the cohesion species concept, *and* Biodiversity and

- Evolution. IV Eugene Warming Lectures in Evolutionary Ecology. Belo Horizonte, Brazil.
1999. Gene trees: a powerful tool for exploring the evolutionary biology of species and speciation. Symposium on *Plant Population Biology and Evolution: New Perspectives toward a New Century*. Kyoto, Japan.
- Human race in the context of recent human evolution. Wenner-Gren Symposium on *Anthropology in the Age of Genetics*, Teresopolis, Brazil.
- Coronary Artery Disease: Applying Evolutionary Principles to a Complex Human Disease. Zoological Society of Southern Africa, Pietersburg, South Africa.
- Using Gene Trees to Identify Species Through Testable Null Hypotheses. Zoological Society of Southern Africa, Pietersburg, South Africa.
- The role of evolution in understanding biological causation. Symposium on *Complexity Research & Biotechnology in Agriculture and Medicine*, Bozeman, Montana.
2000. Disrupting Evolutionary Processes. National Academy of Sciences Colloquium on *The Future of Evolution*. Irvine, California.
- Using phylogeographic analyses of gene trees to test species status. Symposium on *Phylogeography, Hybridization and Speciation*. Aussois, France.
- Human Races: Do They Exist? Brode Lecture, Walla Walla, Washington.
- The Evolution of Anatomically Modern Humans. Israel Pollak Distinguished Lecture. Haifa, Israel.
- The Evolution of HIV-1 Within Infected Subjects: Positive Selection in Context. Israel Pollak Distinguished Lecture. Haifa, Israel.
- The Impact of Fire Management on Habitat Fragmentation of Collared Lizards in the Ozarks. Symposium on *Landscape Effects of Animal Populations*, 27th Natural Areas Conference, St. Louis.
- The Biological Meaning of Race in Humans. American Anthropological Association Presidential Symposium on *Race falling, Racism rising*. 99th AAA meeting, San Francisco.
- Genotype to Phenotype: Disease Genes. Symposium on *Biochemical Systems Theory and Modeling in the Post-Genomic Era: Principles of Design to Designed Benefits*. Ann Arbor, Michigan.
2001. Out-of-Africa or In-and-out-of Africa: What Genes Tell us About Recent Human Evolution. Stigler Lectureship, University of Arkansas, Fayetteville.
- Out-of-Africa again and again: insights into human evolution over the last two million years from multiple genes. International Workshop on *Genome Organization, Diversity and Evolution*. Haifa, Israel.
- Tree Scanning: A New Method For Detecting Genotype/Phenotype Associations From DNA Sequence Data. International Workshop on *Genome Organization, Diversity and Evolution*. Haifa, Israel.
- Going beyond the genome: lessons from genetic studies on coronary artery disease. Danforth Symposium, St. Louis, Missouri.
- The impact of fire management on genetic isolation in collared lizards in the Ozarks. 2001 Savanna Review Symposium, Van Buren, Missouri.
2002. Do Races Exist in Humans? What Modern Genetics Tells Us. Holocaust Remembrance Day Symposium, Rappaport Institute, Haifa, Israel.
- Using Haplotype Trees for Phylogeographic and Species Inference in Fish Populations. Keynote address, Wakefield Symposium, Juneau, Alaska.
- Haplotype networks: new uses for an old technique. Society of Systematic Biology Symposium on *Visualizing complex phylogenetic patterns*

- Out of Africa Again and Again: What Genes Tell Us About Recent Human Evolution. 4<sup>th</sup> Annual David Murdock-Dole Lectureship. Nobelforum, Stockholm, Sweden.
- Pleiotropy and epistasis as facilitators of the evolution of complex adaptations. Opening presentation at Symposium on Biotechnology and Complexity in Agriculture and Medicine. Mountain Sky, Montana.
- When does life begin? An evolutionary genetic answer to a central ethical question. Symposium on "The embryo from conception to birth: Scientific discovery, medical and ethical dilemmas" Tel Aviv, Israel.
2003. Evolution at a human candidate locus for atherosclerosis. Symposium on "Challenges in Genetics in the 21<sup>st</sup> Century." Israel Society for Genetics, Tel Aviv, Israel.
2004. Genomics and clinical practice. Thai Physicians of America Association 45<sup>th</sup> Annual Scientific Congress. Bangkok, Thailand.
- 21<sup>st</sup> Century Genomics and Coronary Artery Disease." Keynote Address at Medax 2004, Tel Aviv, Israel
- The Evolution of Modern Humans: What Genes Really Tell Us. St. Louis Academy of Sciences Public Science Seminar Series.
- The Evolution of Modern Humans: What Genes Really Tell Us. Genetics Society of Australia, Melbourne.
- Simpson's Paradox in Complex Systems. Symposium on "Evidence based, opinion based and real world agriculture and medicine. Mountain Sky, Montana
2005. The Evolution of Humans Over The Last Two Million Years: Genes, Fossils, and Archaeology. Lorene Murrow Kelly Distinguished Lecturer, Austin, Texas
- Landscape Genetics On Different Scales of Space and Time: lessons from naked mole rats. XVII International Botanical Congress, Vienna, Austria
- Human Evolution Over the Last Two Million Years. Symposium on "Updating Human Evolution: Bringing Anthropological and Public Conceptions into Contemporary Perspective." Amer. Anthropol. Assoc. Annual Meeting, Washington DC.
2006. Founder Speciation: Mayr's Misunderstood Legacy to Speciation Theory. Symposium on "Speciation: The Enduring Legacy of Ernst Mayr." AAAS Annual Meeting, St. Louis.
- The Genetics of Complex Diseases. NIGMS Symposium on Complex Biological Systems, Friday Harbor, Washington.
- God of the Gaps versus Life is a Miracle: Two Perspectives on Evolution and Religion. Oxford Round Table on Science and Faith, Oxford, UK.
- Evolutionary Biology, Development, and Complex Diseases. Symposium on "Genes, Environments and Human Development, Health and Disease. Irvine, California.
- Human Evolution over the last two million years: genes, fossils and archaeology. Genetics Colloquium, University of Wisconsin, Madison
2007. Founder-induced Speciation. Symposium on "New Horizons in Evolutionary Biology." Institute of Evolution, University of Haifa, Israel.
- The Evolution of Man: Genetics, Fossils and Archaeology. Darwin Day 2007 Lecture, Oslo, Norway
- Integrating Landscape Genetics With Phylogeography: Lessons from Naked Mole Rats. Keynote Address, The Annual Meeting of the Swiss Zoological, Botanical and Mycological Societies, Zürich, Switzerland
- Has Human Evolution Stopped? Clinical Implications of a Negative Answer. Grand Rounds Lecture, Rambam Hospital, Haifa, Israel.
- Human Evolution Over the Last Two Million Years: Genes, Fossils and Archaeology. The Fulbright Distinguished Chair Lecture. Rappaport Institute, Haifa, Israel.

- A Population And Evolutionary Perspective On Movement Ecology. First International Conference on Movement Ecology. Institute for Advanced Studies, Jerusalem, Israel.
- The Impact of Fire on Collared Lizards in the Ozarks. Keynote Address, Israel Society for Ecology and Environmental Quality Sciences Annual Meeting, Weizmann Institute, Rehovot, Israel.
- Human Evolution Over the Last Two Million Years: Genes, Fossils and Archaeology. First Biological Evolution Workshop. Porto Alegre, Brazil.
2008. Human Evolution Over the Last Two Million Years: Genes, Fossils and Archaeology. Pesquisa FAPESP Symposium Series on the "Genomic Revolution." São Paulo, Brazil.
- Evolution and Coronary Artery Disease. Pesquisa FAPESP Symposium Series on the "Genomic Revolution." São Paulo, Brazil.
- Human Evolution Over the Last Two Million Years: Genes, Fossils and Archaeology. Keynote Address to the 54<sup>th</sup> Annual Meeting of the Brazilian Society of Genetics (Congresso Brasileiro de Genética), Salvador, Brazil.
- Statistical Testing of Phylogeographic Hypotheses. Symposium on "Statistical Phylogeography." 54<sup>th</sup> Annual Meeting of the Brazilian Society of Genetics (Congresso Brasileiro de Genética), Salvador, Brazil.
- The Linguistics of Race. Public Symposium Talk at the SciFest08 International Science Festival, St. Louis, Missouri.
2009. On the Origin of Species: A 21<sup>st</sup> Century Perspective on Species and Speciation. Darwin Anniversary Symposium, Missouri Botanical Garden, St. Louis, Missouri.
- Using Evolutionary Principles to Identify Genes Associated with Common Diseases in Humans, and Evolutionary Biology and Conservation Biology: Using Evolutionary Principles to Save Endangered Species. International Workshop on Darwinism and Functional Biology, Other Sciences and the Humanities. Be'er Sheva and Jerusalem, Israel.
- The impact of prescribed forest fires on the dispersal behavior of collared lizards. Keynote Address, Merav Ziv Symposium on Animal Behavior and Conservation Biology. Sede Boqer, Israel.