

Stanford



Marcus Feldman

Burnet C. and Mildred Finley Wohlford Professor
Biology

Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Professor, Biology
- Member, Bio-X
- Member, Stanford Cancer Institute
- Affiliate, Stanford Woods Institute for the Environment
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Director, Morrison Institute for Population Biology and Resource Studies, (1986- present)
- Co-Director, Center for Computational, Evolutionary and Human Genetics, (2012- present)

PROGRAM AFFILIATIONS

- Center for East Asian Studies

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Human genetic and cultural evolution, mathematical biology, demography of China

PROJECTS

- China Population Collaboration - Stanford university and Xi'an Jiaotong University (June 10, 1991 - present)
- Behavioral Ecology and Evolution - Stanford University and Tel Aviv University (May 6, 2004 - present)
- Replacement of Neanderthals by Modern Humans - Stanford University and Meiji University (6/5/1986 - present)

Teaching

COURSES

2023-24

- Current Topics and Concepts in Population Biology, Ecology, and Evolution: BIO 302 (Aut)
- Current Topics and Concepts in Population Biology, Ecology, and Evolution: BIO 303 (Win)
- Current Topics and Concepts in Population Biology, Ecology, and Evolution: BIO 304 (Spr)
- Modeling Cultural Evolution: BIO 182, BIO 282 (Win)

- Seminar in Population Genetics: BIO 383 (Aut, Win, Spr)

2022-23

- Current Topics and Concepts in Population Biology, Ecology, and Evolution: BIO 304 (Spr)
- Seminar in Population Genetics: BIO 383 (Spr)

2021-22

- Current Topics and Concepts in Population Biology, Ecology, and Evolution: BIO 302 (Aut)
- Current Topics and Concepts in Population Biology, Ecology, and Evolution: BIO 303 (Win)
- Current Topics and Concepts in Population Biology, Ecology, and Evolution: BIO 304 (Spr)
- Seminar in Population Genetics: BIO 383 (Aut, Win, Spr)
- Theoretical Population Genetics: BIO 183, BIO 283 (Win)

2020-21

- Current Topics and Concepts in Population Biology, Ecology, and Evolution: BIO 302 (Aut)
- Current Topics and Concepts in Population Biology, Ecology, and Evolution: BIO 303 (Win)
- Current Topics and Concepts in Population Biology, Ecology, and Evolution: BIO 304 (Spr)
- Modeling Cultural Evolution: BIO 182, BIO 282 (Win, Spr)
- Seminar in Population Genetics: BIO 383 (Aut, Win, Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Anita Kulkarni, Maike Morrison

Postdoctoral Faculty Sponsor

Kaleda Denton

Doctoral Dissertation Advisor (AC)

Javier Blanco

Doctoral (Program)

Javier Blanco

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biology (School of Humanities and Sciences) (Phd Program)

Publications

PUBLICATIONS

- **Drowning in shallow causality.** *The Behavioral and brain sciences*

Shen, H., Feldman, M. W.
2023; 46: e199

- **Age-differentiated incentives for adaptive behavior during epidemics produce oscillatory and chaotic dynamics.** *PLoS computational biology*

Arthur, R. F., Levin, M., Labrogere, A., Feldman, M. W.
2023; 19 (9): e1011217

- **Infectious diseases may have arrested the southward advance of microblades in Upper Palaeolithic East Asia.** *Proceedings. Biological sciences*

Aoki, K., Takahata, N., Oota, H., Wakano, J. Y., Feldman, M. W.
2023; 290 (2005): 20231262

- **Evolutionary modeling suggests that addictions may be driven by competition-induced microbiome dysbiosis.** *Communications biology*
Lewin-Epstein, O., Jaques, Y., Feldman, M. W., Kaufer, D., Hadany, L.
2023; 6 (1): 782
- **Cultural niche construction with application to fertility control: A model for education and social transmission of contraceptive use.** *Theoretical population biology*
Denton, K. K., Kendal, J. R., Ihara, Y., Feldman, M. W.
2023
- **Conditions that favour cumulative cultural evolution.** *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*
Denton, K. K., Ram, Y., Feldman, M. W.
2023; 378 (1872): 20210400
- **Conformity and anti-conformity in a finite population.** *Journal of theoretical biology*
Lappo, E., Denton, K. K., Feldman, M. W.
2023: 111429
- **A memetic algorithm for finding multiple subgraphs that optimally cover an input network.** *PloS one*
He, X., Wang, Y., Du, H., Feldman, M. W.
2023; 18 (1): e0280506
- **Care-receivers' expected intergenerational support in aging rural China: A perspective of sustainable livelihoods and the sandwich effect** *SOCIAL SCIENCE JOURNAL*
Yang, B., Feldman, M. W., Li, S.
2022
- **Livelihood adaptive capacities and adaptation strategies of relocated households in rural China** *FRONTIERS IN SUSTAINABLE FOOD SYSTEMS*
Liu, W., Cheng, Y., Li, J., Feldman, M.
2022; 6
- **How Family Living Arrangements and Migration Distances Shape the Settlement Intentions of Rural Migrant Workers in China.** *International journal of environmental research and public health*
Che, L., Du, H., Jin, X., Feldman, M. W.
2022; 19 (23)
- **Polychotomous traits and evolution under conformity.** *Proceedings of the National Academy of Sciences of the United States of America*
Denton, K. K., Liberman, U., Feldman, M. W.
2022; 119 (39): e2205914119
- **How Does Migration Affect HIV Sexual Risk Behaviors Among Involuntary Bachelors? The Mediating Roles of Neighborhoods and Social Networks.** *Archives of sexual behavior*
Gou, H., Liu, H., Feldman, M. W.
2022
- **Short-Term Dairy Product Elimination and Reintroduction Minimally Perturbs the Gut Microbiota in Self-Reported Lactose-Intolerant Adults.** *mBio*
Smith, C. J., Dethlefsen, L., Gardner, C., Nguyen, L., Feldman, M., Costello, E. K., Kolodny, O., Relman, D. A.
2022: e0105122
- **Success-biased social learning in a one-consumer, two-resource model.** *Theoretical population biology*
Borofsky, T., Feldman, M. W.
2022
- **Diversity and its causes: Lewontin on racism, biological determinism and the adaptationist programme.** *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*
Shen, H., Feldman, M. W.
2022; 377 (1852): 20200417
- **Disaster Resettlement and Adaptive Capacity among Rural Households in China** *SOCIETY & NATURAL RESOURCES*
Xu, J., Liu, W., Li, J., Li, C., Feldman, M.
2022

- **Hunter-gatherer genomes reveal diverse demographic trajectories during the rise of farming in Eastern Africa.** *Current biology : CB*
Gopalan, S., Berl, R. E., Myrick, J. W., Garfield, Z. H., Reynolds, A. W., Bafens, B. K., Belbin, G., Mastoras, M., Williams, C., Daya, M., Negash, A. N., Feldman, M. W., Hewlett, et al
2022
- **Differential application of cultural practices at the family and individual levels may alter heritability estimates.** *The Behavioral and brain sciences*
Kolodny, O., Feldman, M. W., Lotem, A., Ram, Y.
2022; 45: e167
- **Static environments with limited resources select for multiple foraging strategies rather than conformity** *ECOLOGICAL MONOGRAPHS*
Borofsky, T. M., Feldman, M. W.
2021
- **Advantages of being bicultural: Acculturation and mental health among rural-urban migrants in China** *CITIES*
Yue, Z., Wang, B., Li, S., Fong, E., Feldman, M. W.
2021; 119
- **Conformity and content-biased cultural transmission in the evolution of altruism.** *Theoretical population biology*
Denton, K. K., Ram, Y., Feldman, M. W.
2021
- **Socioeconomic Status, Institutional Power, and Body Mass Index among Chinese Adults.** *International journal of environmental research and public health*
Li, W., Li, S., Feldman, M. W.
2021; 18 (20)
- **The Risk of HIV/STDs Infection and Transmission Among Never-Married Male Migrants in China: Is Risk Attributable to Bachelorhood or Migration?** *Archives of sexual behavior*
Liu, H., Wang, H., Feldman, M.
2021
- **Poverty and income inequality effects of the relocation program in Shaanxi, China** *ASIAN-PACIFIC ECONOMIC LITERATURE*
Li, C., Wang, L., Feldman, M. W., Li, S.
2021
- **On randomly changing conformity bias in cultural transmission.** *Proceedings of the National Academy of Sciences of the United States of America*
Denton, K. K., Liberman, U., Feldman, M. W.
2021; 118 (34)
- **Effects of cultural transmission of surnaming decisions on the sex ratio at birth.** *Theoretical population biology*
Liu, X., Feldman, M. W.
2021
- **Public Participation and Governance Performance in Gender-Imbalanced Central Rural China: The Roles of Trust and Risk Perception** *SOCIAL SCIENCES-BASEL*
Song, R., Li, S., Feldman, M. W.
2021; 10 (7)
- **Sexual network and condom use among male migrants in the context of China's gender imbalance.** *AIDS care*
Zhao, M., Liu, H., Chen, X., Feldman, M. W.
2021: 1-5
- **Non-vertical cultural transmission, assortment and the evolution of cooperation.** *Proceedings. Biological sciences*
Cohen, D., Lewin-Epstein, O., Feldman, M. W., Ram, Y.
2021; 288 (1951): 20203162
- **Marriage, Health, and Old-Age Support: Risk to Rural Involuntary Bachelors' Family Development in Contemporary China.** *Asian bioethics review*
Meng, Y., Yang, B., Li, S., Feldman, M. W.
2021; 13 (1): 77-89
- **Ethical considerations and community engagement experiences of the Afromexico Genomics Project**

Avila Arcos, M. C., Sanchez Romero, G., Moreno-Estrada, A., Bustamante, C. D., Feldman, M. W.
WILEY.2021: 6–7

● **Designing gene drives to limit spillover to non-target populations.** *PLoS genetics*

Greenbaum, G., Feldman, M. W., Rosenberg, N. A., Kim, J.
2021; 17 (2): e1009278

● **Adaptive social contact rates induce complex dynamics during epidemics.** *PLoS computational biology*

Arthur, R. F., Jones, J. H., Bonds, M. H., Ram, Y., Feldman, M. W.
2021; 17 (2): e1008639

● **Marriage, Health, and Old-Age Support: Risk to Rural Involuntary Bachelors' Family Development in Contemporary China** *ASIAN BIOETHICS REVIEW*

Meng, Y., Yang, B., Li, S., Feldman, M. W.
2021

● **The status of perceived community resilience in transitional rural society: An empirical study from central China** *JOURNAL OF RURAL STUDIES*

Yang, B., Feldman, M. W., Li, S.
2020; 80: 427–38

● **Jaw Epidemic: A Reply to Singh** *BIOSCIENCE*

Kahn, S., Ehrlich, P., Feldman, M., Sapolsky, R., Wong, S.
2020; 70 (12): 1044

● **The power of randomization by sex in multilocus genetic evolution.** *Biology direct*

Vasylenko, L., Feldman, M. W., Livnat, A.
2020; 15 (1): 26

● **Loss of genetic variation in the two-locus multiallelic haploid model.** *Theoretical population biology*

Pontz, M., Feldman, M. W.
2020

● **The Status of Family Resilience: Effects of Sustainable Livelihoods in Rural China** *SOCIAL INDICATORS RESEARCH*

Yang, B., Feldman, M. W., Li, S.
2020

● **Evolution of transmission modifiers under frequency-dependent selection and transmission in constant or fluctuating environments.** *Theoretical population biology*

Shen, H., Liberman, U., Feldman, M.
2020

● **The Jaw Epidemic: Recognition, Origins, Cures, and Prevention** *BIOSCIENCE*

Kahn, S., Ehrlich, P., Feldman, M., Sapolsky, R., Wong, S.
2020; 70 (9): 759–71

● **Widowhood and mortality risk of older people in rural China: do gender and living arrangement make a difference?** *AGEING & SOCIETY*

Liu, H., Jiang, Q., Feldman, M. W.
2020; 40 (9): 1939–55

● **A new perspective for mitigation of SARS-CoV-2 infection: priming the innate immune system for viral attack** *OPEN BIOLOGY*

Kolodny, O., Berger, M., Feldman, M. W., Ram, Y.
2020; 10 (7)

● **A new perspective for mitigation of SARS-CoV-2 infection: priming the innate immune system for viral attack.** *Open biology*

Kolodny, O., Berger, M., Feldman, M. W., Ram, Y.
2020; 10 (7): 200138

● **L. Luca Cavalli-Sforza: A Renaissance Scientist** *THEORETICAL POPULATION BIOLOGY*

Feldman, M. W.
2020; 133: 75–79

- **Is change of natural capital essential for assessing relocation policies? A case from Baixe county in western China** *IMPACT ASSESSMENT AND PROJECT APPRAISAL*
Xiao, Q., Liu, H., Feldman, M. W.
2020
- **The Impact of the Anti-Poverty Relocation and Settlement Program on Rural Households' Well-Being and Ecosystem Dependence: Evidence from Western China** *SOCIETY & NATURAL RESOURCES*
Li, C., Guo, M., Li, S., Feldman, M.
2020
- **Cultural evolution of conformity and anticonformity.** *Proceedings of the National Academy of Sciences of the United States of America*
Denton, K. K., Ram, Y. n., Liberman, U. n., Feldman, M. W.
2020
- **High-resolution inference of genetic relationships among Jewish populations.** *European journal of human genetics : EJHG*
Kopelman, N. M., Stone, L. n., Hernandez, D. G., Gefel, D. n., Singleton, A. B., Heyer, E. n., Feldman, M. W., Hillel, J. n., Rosenberg, N. A.
2020
- **The sexual networks of female sex workers and potential HIV transmission risk: an entertainment venue-based study in Shaanxi, China.** *International journal of STD & AIDS*
Liu, H. n., Zhao, M. n., Wang, Y. n., Feldman, M. W., Xiao, Q. n.
2020: 956462419886780
- **Genetic nurturing, missing heritability, and causal analysis in genetic statistics.** *Proceedings of the National Academy of Sciences of the United States of America*
Shen, H. n., Feldman, M. W.
2020
- **Migration, Social Networks, and HIV Sexual Risk Behaviors Among Involuntary Bachelors in Rural China.** *AIDS and behavior*
Gou, H. n., Liu, H. n., Wang, Y. n., Li, X. n., Feldman, M. W.
2020
- **Reply to Balsa-Canto et al.: Growth models are applicable to growth data, not to stationary-phase data.** *Proceedings of the National Academy of Sciences of the United States of America*
Ram, Y., Obolski, U., Feldman, M. W., Berman, J., Hadany, L.
2019
- **The evolution of frequency-dependent cultural transmission.** *Theoretical population biology*
Liberman, U., Ram, Y., Altenberg, L., Feldman, M. W.
2019
- **Acculturation of rural-urban migrants in urbanising China: a multidimensional and bicultural framework** *POPULATION SPACE AND PLACE*
Yue, Z., Fong, E., Li, S., Feldman, M. W.
2019
- **Disease transmission and introgression can explain the long-lasting contact zone of modern humans and Neanderthals.** *Nature communications*
Greenbaum, G., Getz, W. M., Rosenberg, N. A., Feldman, M. W., Hovers, E., Kolodny, O.
2019; 10 (1): 5003
- **Sex: The power of randomization**
Vasylenko, L., Feldman, M. W., Papadimitriou, C., Livnat, A.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2019: 41–53
- **Family Structure and Competing Demands From Aging Parents and Adult Children Among Middle-Aged People in China** *JOURNAL OF FAMILY ISSUES*
Liu, H., Feng, Z., Jiang, Q., Feldman, M.
2019
- **Process of Decline in Activities of Daily Living of Older Chinese People Prior to Death: Evidence From Three Cohorts** *RESEARCH ON AGING*
Zhang, W., Feldman, M. W., Du, P.
2019; 41 (8): 727–50

- **Was inter-population connectivity of Neanderthals and modern humans the driver of the Upper Paleolithic transition rather than its product? *QUATERNARY SCIENCE REVIEWS***
Greenbaum, G., Friesem, D. E., Hovers, E., Feldman, M. W., Kolodny, O.
2019; 217: 316–29
- **Sex with partners met online: risky sexual behavior among bachelors in rural China. *AIDS care***
Wang, Y., Liu, H., Zhao, M., Feldman, M. W., Williams, A. B.
2019: 1–5
- **Evolution of hierarchy in bacterial metabolic networks *BIOSYSTEMS***
Goodman, A. J., Feldman, M. W.
2019; 180: 71–78
- **The great human expansion *RESONANCE-JOURNAL OF SCIENCE EDUCATION***
Henn, B. M., Cavalli-Sforza, L. L., Feldman, M. W.
2019; 24 (6): 711–18
- **Marriage Aspiration, Perceived Marriage Squeeze, and Anomie Among Unmarried Rural Male Migrant Workers in China. *American journal of men's health***
Li, W., Li, S., Feldman, M. W.
2019; 13 (3): 1557988319856170
- **Process of Decline in Activities of Daily Living of Older Chinese People Prior to Death: Evidence From Three Cohorts. *Research on aging***
Zhang, W., Feldman, M. W., Du, P.
2019: 164027519841016
- **The life history of learning: Demographic structure changes cultural outcomes *PLOS COMPUTATIONAL BIOLOGY***
Fogarty, L., Creanza, N., Feldman, M. W.
2019; 15 (4)
- **Evolution of Hierarchy in Bacterial Metabolic Networks. *Bio Systems***
Goodman, A., Feldman, M.
2019
- **Evolution of resilience in protein interactomes across the tree of life. *Proceedings of the National Academy of Sciences of the United States of America***
Zitnik, M., Sosic, R., Feldman, M. W., Leskovec, J.
2019
- **Does China's Anti-Poverty Relocation and Settlement Program Benefit Ecosystem Services: Evidence from a Household Perspective *SUSTAINABILITY***
Li, C., Kang, B., Wang, L., Li, S., Feldman, M., Li, J.
2019; 11 (3)
- **Sex: The power of randomization. *Theoretical population biology***
Vasylenko, L., Feldman, M. W., Papadimitriou, C., Livnat, A.
2019
- **The life history of learning: Demographic structure changes cultural outcomes. *PLoS computational biology***
Fogarty, L. n., Creanza, N. n., Feldman, M. W.
2019; 15 (4): e1006821
- **Information diffusion in signed networks. *PloS one***
He, X., Du, H., Feldman, M. W., Li, G.
2019; 14 (10): e0224177
- **Understanding Niche Construction as an Evolutionary Process *EVOLUTIONARY CAUSATION: BIOLOGICAL AND PHILOSOPHICAL REFLECTIONS***
Laland, K. N., Odling-Smee, J., Feldman, M. W., Uller, T., Laland, K. N.
2019: 127–52
- **Interpreting polygenic scores, polygenic adaptation, and human phenotypic differences *EVOLUTION MEDICINE AND PUBLIC HEALTH***
Rosenberg, N. A., Edge, M. D., Pritchard, J. K., Feldman, M. W.

2019: 26–34

- **Beyond uncertainty: A broader scope for "incentive hope" mechanisms and its implications** *BEHAVIORAL AND BRAIN SCIENCES*
Linkovski, O., Weinbach, N., Edelman, S., Feldman, M. W., Lotem, A., Kolodny, O.
2019; 42
- **Beyond uncertainty: A broader scope for "incentive hope" mechanisms and its implications.** *The Behavioral and brain sciences*
Linkovski, O., Weinbach, N., Edelman, S., Feldman, M. W., Lotem, A., Kolodny, O.
2019; 42: e44
- **PERFORMANCE OF POLYGENIC SCORES ACROSS ANCESTRALLY DIVERSE POPULATIONS: SCIENTIFIC AND ETHICAL CONSIDERATIONS**
Duncan, L., Shen, H., Pritchard, J., Feldman, M., Ressler, K., Harris, K., Domingue, B.
ELSEVIER SCIENCE BV.2019: S833–S834
- **Interpreting polygenic scores, polygenic adaptation, and human phenotypic differences.** *Evolution, medicine, and public health*
Rosenberg, N. A., Edge, M. D., Pritchard, J. K., Feldman, M. W.
2019; 2019 (1): 26–34
- **The decline in China's fertility level: a decomposition analysis.** *Journal of biosocial science*
Jiang, Q. n., Yang, S. n., Li, S. n., Feldman, M. W.
2019: 1–14
- **Predicting microbial growth in a mixed culture from growth curve data.** *Proceedings of the National Academy of Sciences of the United States of America*
Ram, Y. n., Dellus-Gur, E. n., Bibi, M. n., Karkare, K. n., Obolski, U. n., Feldman, M. W., Cooper, T. F., Berman, J. n., Hadany, L. n.
2019
- **Coordinated change at the colony level in fruit bat fur microbiomes through time.** *Nature ecology & evolution*
Kolodny, O., Weinberg, M., Reshef, L., Harten, L., Hefetz, A., Gophna, U., Feldman, M. W., Yovel, Y.
2018
- **Cryptic selection forces and dynamic heritability in generalized phenotypic evolution.** *Theoretical population biology*
Gilpin, W., Feldman, M. W.
2018
- **Vertical and oblique cultural transmission fluctuating in time and in space.** *Theoretical population biology*
Ram, Y., Liberman, U., Feldman, M. W.
2018
- **Advancing front of old-age human survival.** *Proceedings of the National Academy of Sciences of the United States of America*
Zuo, W., Jiang, S., Guo, Z., Feldman, M. W., Tuljapurkar, S.
2018; 115 (44): 11209–14
- **The evolution of cooperation in signed networks under the impact of structural balance** *PLOS ONE*
He, X., Du, H., Cai, M., Feldman, M. W.
2018; 13 (10): e0205084
- **Modeling the implementation of population-level isoniazid preventive therapy for tuberculosis control in a high HIV-prevalence setting.** *AIDS (London, England)*
Rhines, A. S., Feldman, M. W., Bendavid, E.
2018
- **Assessing Livelihood Reconstruction in Resettlement Program for Disaster Prevention at Baihe County of China: Extension of the Impoverishment Risks and Reconstruction (IRR) Model** *SUSTAINABILITY*
Xiao, Q., Liu, H., Feldman, M.
2018; 10 (8)
- **Reversing structural balance in signed networks** *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*
Du, H., He, X., Wang, J., Feldman, M. W.
2018; 503: 780–92

- **Cultural hitchhiking and competition between patrilineal kin groups explain the post-Neolithic Y-chromosome bottleneck** *NATURE COMMUNICATIONS*
Zeng, T., Aw, A. J., Feldman, M. W.
2018; 9: 2077
- **Gene-culture coevolution under selection** *THEORETICAL POPULATION BIOLOGY*
Behar, H., Feldman, M. W.
2018; 121: 33–44
- **Integrative studies of cultural evolution: crossing disciplinary boundaries to produce new insights** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
Kolodny, O., Feldman, M. W., Creanza, N.
2018; 373 (1743)
- **Missing compared to what? Revisiting heritability, genes and culture** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
Feldman, M. W., Ramachandran, S.
2018; 373 (1743)
- **Bridging cultural gaps: interdisciplinary studies in human cultural evolution** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
Kolodny, O., Feldman, M. W., Creanza, N.
2018; 373 (1743)
- **A comparison of worldwide phonemic and genetic variation in populations in Asia**
Surowiec, A., Ramachandran, S., Feldman, M. W., Creanza, N.
WILEY.2018: 268
- **The impact on rural livelihoods and ecosystem services of a major relocation and settlement program: A case in Shaanxi, China** *AMBIO*
Li, C., Li, S., Feldman, M. W., Li, J., Zheng, H., Daily, G. C.
2018; 47 (2): 245–59
- **Adopted daughters and adopted daughters-in-law in Taiwan: a mortality analysis** *ROYAL SOCIETY OPEN SCIENCE*
Mattison, S. M., Seabright, E., Reynolds, A. Z., Cao, J., Brown, M. J., Feldman, M. W.
2018; 5 (3): 171745
- **Clonal interference can cause wavelet-like oscillations of multilocus linkage disequilibrium** *JOURNAL OF THE ROYAL SOCIETY INTERFACE*
Garcia, V., Glassberg, E. C., Harpak, A., Feldman, M. W.
2018; 15 (140)
- **Generation of variation and a modified mean fitness principle: Necessity is the mother of genetic invention.** *Theoretical population biology*
Ram, Y., Altenberg, L., Liberman, U., Feldman, M. W.
2018
- **Evolution of vertical and oblique transmission under fluctuating selection** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Ram, Y., Liberman, U., Feldman, M. W.
2018; 115 (6): E1174–E1183
- **Ecocultural range-expansion scenarios for the replacement or assimilation of Neanderthals by modern humans** *THEORETICAL POPULATION BIOLOGY*
Wakano, J., Gilpin, W., Kadowaki, S., Feldman, M. W., Aoki, K.
2018; 119: 3–14
- **Female fertility history and mid-late-life health: Findings from China** *JOURNAL OF WOMEN & AGING*
Li, X., Jiang, Q., Li, S., Feldman, M. W.
2018; 30 (1): 62–74
- **A Genetic Simulated Annealing Algorithm to Optimize the Small-World Network Generating Process** *COMPLEXITY*
Du, H., Fan, J., He, X., Feldman, M. W.
2018

- **How does trust affect acceptance of a nuclear power plant (NPP): A survey among people living with Qinshan NPP in China** *PLOS ONE*
Xiao, Q., Liu, H., Feldman, M. W.
2017; 12 (11)
- **How does trust affect acceptance of a nuclear power plant (NPP): A survey among people living with Qinshan NPP in China.** *PloS one*
Xiao, Q., Liu, H., Feldman, M. W.
2017; 12 (11): e0187941
- **Seasonally fluctuating selection can maintain polymorphism at many loci via segregation lift** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Wittmann, M. J., Bergland, A. O., Feldman, M. W., Schmidt, P. S., Petrov, D. A.
2017; 114 (46): E9932–E9941
- **A parsimonious neutral model suggests Neanderthal replacement was determined by migration and random species drift** *NATURE COMMUNICATIONS*
Kolodny, O., Feldman, M. W.
2017; 8: 1040
- **Worldwide patterns of human epigenetic variation** *NATURE ECOLOGY & EVOLUTION*
Carja, O., MacIsaac, J. L., Mah, S. M., Henn, B. M., Kobor, M. S., Feldman, M. W., Fraser, H. B.
2017; 1 (10): 1577–83
- **Worldwide patterns of human epigenetic variation.** *Nature ecology & evolution*
Carja, O., MacIsaac, J. L., Mah, S. M., Henn, B. M., Kobor, M. S., Feldman, M. W., Fraser, H. B.
2017; 1 (10): 1577-1583
- **A reversed gender pattern? A meta-analysis of gender differences in the prevalence of non-suicidal self-injurious behaviour among Chinese adolescents** *BMC PUBLIC HEALTH*
Yang, X., Feldman, M. W.
2017; 18: 66
- **The extension of biology through culture.** *Proceedings of the National Academy of Sciences of the United States of America*
Whiten, A., Ayala, F. J., Feldman, M. W., Laland, K. N.
2017
- **Cultural evolutionary theory: How culture evolves and why it matters.** *Proceedings of the National Academy of Sciences of the United States of America*
Creanza, N., Kolodny, O., Feldman, M. W.
2017
- **Maximizing influence in a social network: Improved results using a genetic algorithm** *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*
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