

Adam Z. Reynolds

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EDUCATION

2023 **Ph.D.** Evolutionary Anthropology, University of New Mexico
2019 **M.S.** Evolutionary Anthropology, University of New Mexico
2011 **B.S.** Community Development and Applied Economics, University of Vermont

POSITIONS

8/2025-Present **Research Assistant Professor**, Department of Internal Medicine and Comprehensive Cancer Center, University of New Mexico
5/2023-7/2025 **Postdoctoral Fellow**, Department of Internal Medicine and Comprehensive Cancer Center, University of New Mexico
4/2025-7/2025 **Affiliated Postdoctoral Fellow**, Department of Anthropology, University of New Mexico
10/2021–5/2023 **Research Assistant**, Comprehensive Cancer Center, University of New Mexico
Fall 2019–Fall 2021 **Instructor**, *Human Evolutionary Ecology Lab*, University of New Mexico
Fall 2021 **Teaching Assistant**, *Human Biology*, University of New Mexico
8/2017–8/2021 **Research Assistant**, Evolutionary Anthropology, University of New Mexico
Fall 2020 **Teaching Assistant**, *Forensic Anthropology*, University of New Mexico
Spring 2019 **Teaching Assistant**, *Human Behavioral Ecology*, University of New Mexico
Spring 2017 **Teaching Assistant**, *Primate Behavioral Ecology*, Emory University
5/2011–5/2015 **Research Associate**, Public Administration, University of Vermont
1/2011–5/2011 **Research Assistant**, Comm. Dev. and Applied Econ., University of Vermont
Fall 2010 **Teaching Assistant**, *Principles of Ecological Economics*, University of Vermont

FIELDWORK

2018 Ni-Vanuatu, Tanna and Efate islands, Republic of Vanuatu
2018 Rodriguais, Rodrigues island, Republic of Mauritius
2017 Mosuo, Yunnan Province, China

PUBLICATIONS

* Authors contributed equally

Reynolds AZ, DeCasien AR. (In Press) Sex and Gender in the Evolution of the Human Brain. In: Kaas JH and Preuss TM, editors. *Evolution of Nervous Systems*. 3rd Ed. Amsterdam: Elsevier Academic Press.

Reynolds AZ, Buro AW, Berwick M. (In Press) Solar UV exposure and mortality from cutaneous melanoma: an update. In: Reichrath J, editors. *Sunlight, Vitamin D, and Skin Cancer*. 4th Ed. Cham, Switzerland: Springer Nature.

Wiggins JM, Zhang Q, Zhang Y, Vand-Rajabpour F, Hanniford D, He L, Lu Y, Kenney JM, Sadeghi KD, Argibay D, Orlow I, Busam KJ, Lezcano C, Lee TK, Luo L, Gorlov IP, Amos C, Ernstoff MS, Seshan VE, Cust AE, Wilmott J, Scolyer RA, Mann GJ, Reiner A, Kostrzewa CE, Nagore E,

- Funchain P, Ko J, Edmiston SN, Conway K, Googe PB, Ollila DW, Lee JE, Rees JR, Thompson CL, Gerstenblith M, Bosenberg M, Rothberg BEG, Osman I, Saenger Y, **Reynolds AZ**, Boyce T, Holmen S, Yan S, Brunsgaard E, Bogner P, Kuan PF, Thomas NE, Begg CB, Shen R, Berwick M, Shao Y, Polsky D, Hernando E. (In Press) Tumor microRNA signatures associate with stage II/III melanoma patient outcomes. *Clinical Cancer Research*.
- Murali T*, Schwartz M*, **Reynolds AZ***, Luo L*, Ridgeway G, Busam KJ, Cust AE, Anton-Culver H, Gallagher RP, Zanetti R, Rosso S, Sacchetto L, Begg C, Orlow I, Thomas NE, Berwick M, for the GEM Study Group. (2025) Sex differences in melanoma-specific mortality—A GEM study. *JNCI Cancer Spectrum*, pkaf005.
- Reynolds AZ**, Niedbalski SD. (2024) Sex-biased gene regulation varies across human populations as a result of adaptive evolution. *American Journal of Biological Anthropology* **183**(4), e24888.
- Ruff C, Wallace I, Toya C, Muñoz M, Meyer J, Busby T, **Reynolds AZ**, Martinez J, Miller-Moore M, Rios R. (2024) The Effects of the industrial transition on lower limb bone structure: a comparison of the inhabitants of Pecos Pueblo and present-day indigenous peoples of New Mexico. *American Journal of Biological Anthropology* **184**(3), e24922.
- Hooper PL, **Reynolds AZ**, Jamsranjav B, Clark JK, Ziker, JP. Crabtree SA. (2023) Inheritance and inequality among nomads of South Siberia. *Philosophical Transactions of the Royal Society B* **378**: 20220297.
- Wallace IJ, Toya C, Munoz MAP, Meyer JV, Busby T, **Reynolds AZ**, Martinez J, Thompson TT, Miller-Moore M, Harris AR, Rios R, Martinez A, Jashashvili T, Ruff CB. (2023) Effects of the energy balance transition on bone mass and strength: evidence from the indigenous peoples of New Mexico. *Scientific Reports* **13**(1), 15204.
- Starkweather KE, **Reynolds AZ**, Zohora F, Alam N. (2023) Shodagor women traders cooperate across domains of work and childcare to solve an adaptive problem. *Philosophical Transactions of the Royal Society B* **378**: 20210433.
- Luo L, Shen R, Arora A, Orlow I, Busam K, Lezcano C, Lee T, Hernando E, Gorlov I, Amos C, Ernstoff M, Seshan V, Cust A, Wilmott J, Scolyer R, Mann G, Nagore E, Funchain P, Ko J, Ngo P, Edmiston S, Conway K, Googe P, Ollila D, Lee J, Fang S, Rees J, Thompson C, Gerstenblith M, Bosenberg M, Rothberg BG, Osman I, Saenger Y, **Reynolds AZ**, Schwartz M, Boyce T, Holmen S, Brunsgaard E, Bogner P, Kuan PF, Wiggins C, Thomas NE, Begg CB, Berwick M, for the InterMEL Study Group. (2022) Landscape of mutations in early-stage primary cutaneous melanoma: An InterMEL study. *Pigment Cell and Melanoma Research* **35**(6), 605-612.
- Mattison SM, Hare D, MacLaren NG, **Reynolds AZ**, Sum CY, Liu R, Shenk MK, Blumenfield T, Su M, Li H, Wander K. (2022) Context specificity of “market integration” among the matrilineal Mosuo of Southwest China. *Current Anthropology* **63**(1), 10.1086/719266.
- Mattison SM, Liu R, **Reynolds AZ**, Wander K, Baca GD, Zhang M, Sum CY, Shenk MK, Blumenfield T. (2021) Gender reversals in social networks based on prevailing kinship norms in the Mosuo of China. *Social Sciences* **10**(7), 253.
- Mattison SM, Sum CY, **Reynolds AZ**, Baca GD, Blumenfield T, Niedbalski SD, Liu R, Zhang M, Liu L, Wei L, Su M, Li H, Shenk MK, Wander K. (2021) Using evolutionary theory to hypothesize a transition from patriliney to matriliney and back again among the Mosuo of Southwest China. *Matrix: A Journal for Matricultural Studies* **2**(1), 90-117.
- Reynolds AZ**, Wander K, Sum CY, Su M, Emery Thompson M, Hooper PL, Li H, Shenk MK, Starkweather KE, Blumenfield T, Mattison SM. (2020) Matriliney reverses gender disparities in inflammation and hypertension among the Mosuo of China. *Proceedings of the National Academy of Sciences of the United States of America (PNAS)* **117**(48), 30324-30327.

Koster J, Lukas D, Nolin D, Power E, Alvergne A, Mace R, Ross CT, Kramer K, Greaves R, Caudell M, Macfarlan S, Schniter E, Quinlan R, Mattison S, **Reynolds AZ**, Sum CY, Massengill E. (2019) Kinship ties across the lifespan in human communities. *Philosophical Transactions of the Royal Society B* **374**, 20180069.

Mattison SM, **Reynolds AZ**, Wander K. (2019) Human life histories are flexible, not fixed. *Archives of Sexual Behavior* **48**, 1329-1333.

Mattison SM, Seabright E, **Reynolds AZ**, Jingzhe C, Brown MJ, Feldman MW. (2018) Adopted daughters and adopted daughters-in-law in Taiwan: A mortality analysis. *Royal Society Open Science* **5**, 171745.

Mattison SM, Moya C, **Reynolds AZ**, Towner M. (2018) Evolutionary demography of age at last birth: Integrating approaches from human behavioral ecology and cultural evolution. *Philosophical Transactions of the Royal Society B* **373**, 20170060.

Koliba C, **Reynolds AZ**, Zia A, Scheinert S. (2014) Isomorphic properties of network governance: comparing two watershed governance initiatives in the Lake Champlain Basin using institutional network analysis. *Complexity, Governance, & Networks* **1**, 99-118.

In Process

Buro AW, **Reynolds AZ**, Burgess E, Torres JA, Montoya M, Sowrin MS, de Oca MM, Gundelach A, Valdez J, Sussman AL, Blair CK. Health behavior priorities and support needs among young adult cancer survivors: A mixed-methods study. In Review at *Journal of Adolescent and Young Adult Oncology*. (in review)

Sutton A, **Reynolds AZ**, Turner MA, Jones JH. Social influencers reduce infection burden and modify epidemic lag in group-structured populations. *Royal Society Open Science*. (submitted)

In Preparation

(Drafts available upon request)

Reynolds AZ, Luo L, Shen R, Orlov I, Busam K, Lezcano C, Lee T, Gorlov I, Amos C, Ernstoff M, Edmiston S, Conway K, Lee J, Boyce T, Thomas NE, Begg CB, Hernando E, Berwick M, for the InterMEL Study Group. Sex differences in microRNA associate with Breslow thickness in early-stage primary cutaneous melanoma.

Reynolds AZ, Berwick M, and Vergara I, for the InterMEL Study Group. Assessing persistent tumor mutational burden (pTMB) as a biomarker of neo-antigenic immune response in the natural history of melanoma – an InterMEL study.

Reynolds AZ, Luo L, Shen R, Arora A, Orlov I, Busam K, Lezcano C, Lee T, Hernando E, Gorlov I, Amos C, Ernstoff M, Seshan V, Cust A, Wilmott J, Scolyer R, Mann G, Nagore E, Funchain P, Ko J, Ngo P, Edmiston S, Conway K, Googe P, Ollila D, Lee J, Fang S, Rees J, Thompson C, Gerstenblith M, Bosenberg M, Rothberg BG, Osman I, Saenger Y, Schwartz M, Boyce T, Holmen S, Brunsgaard E, Bogner P, Kuan PF, Wiggins C, Thomas NE, Begg CB, Berwick M, for the InterMEL Study Group. Mutational profiles are differently prognostic in early-stage scalp/neck and face melanomas.

Sutton A*, **Reynolds AZ***, Jones JH. When a teen birth is the rational choice.

Turner MA, **Reynolds AZ**, Jones JH. Group-Level homophily in metapopulation social networks can optimize the diffusion of innovations.

Working Papers

(Drafts available upon request)

Reynolds AZ, Jones JH. (2024) Friend of a friend because were birds of a feather—Does homophily cause transitivity in social networks?

Lee JA, Leyba K, **Reynolds AZ**, Ritwika VPS, Borrero D, Mantri P. (2019) Evolution of phenotypic diversity and cooperation in a spatially explicit model of microbial populations.

Reynolds AZ, Hooper PL. (2017) Simulating emergent inequality on cooperative production networks.

Reynolds AZ, Hooper PL, Jaeggi AV, Crabtree SA, Clark JK. (2017) Optimal harvest strategies for central Asian nomads: Pastoral adaptation to mixed cash-subsistence economies.

INVITED TALKS

Reynolds AZ, Berwick M. Sex differences in, and factors contributing to, 20-year survival in single primary melanomas. To be presented at the *Genes, Environment, and Melanoma Consortium Working Group Meeting*. Princeton, NJ, September 2025.

Reynolds AZ. Sex-biased mechanisms and their relevance for diseases of aging. Seminar for the Laboratory of Neurogenetics (LNG) and Center for Alzheimer's and Related Dementias (CARD), National Institute on Aging. Bethesda, MD, June 2025.

Reynolds AZ, Vergara I, Berwick M. Assessing persistent tumor mutational burden (pTMB) as a biomarker of neo-antigenic immune response in the natural history of melanoma – an InterMEL study. Presented at the *InterMEL Consortium P01 Working Group Meeting*. Chapel Hill, North Carolina, May 2024.

Reynolds AZ, Luo L, Shen R, Orlow I, Busam K, et al. Sex-differentiated microRNA contribute to the female survival advantage in early-stage cutaneous melanoma. Presented at the *InterMEL Consortium P01 Working Group Meeting*. Valencia, Spain, October 2022.

Reynolds AZ, Hooper PL. Simulating inequality on cooperative production networks. Presented at the *Santa Fe Institute Workshop on the Dynamics of Networks and Inequality (ENDOW project meeting)*. Santa Fe, NM, February 2017.

CHAired/ORGANIZED CONFERENCE SESSIONS

Reynolds, AZ. Chair and organizer for session entitled “Human health and reproduction in a globalizing world: Biocultural adaptation to social and ecological change”. *118th Annual Meeting of the American Anthropological Association*. Vancouver, BC, November 2019.

CONFERENCE PRESENTATIONS

* Graduate or undergraduate student researcher mentored by AZR

Jones JH, Reynolds AZ, Sutton A. When a teen birth is the rational choice. *94th Annual Meeting of the American Association of Biological Anthropologists*. Baltimore, MD. April 2025.

Sutton A, **Reynolds AZ**, Turner MA, and Jones JH. Epidemic outcomes and population health in the digital age: social contagion, influence, and policy implications during the COVID-19 pandemic. *Population Association of America Annual Meeting*. Washington, DC. April 2025.

Murali T*, **Reynolds AZ**, Schwartz M, Luo L, Thomas NE, Orlow I, Begg C, Berwick M. Sex differences in melanoma survival – a GEM study. *21st International Congress of the Society for Melanoma Research*. New Orleans, LA. October 2024.

Ridgeway G*, **Reynolds AZ**, Luo L, Tafoya L, Paine S, Thomas NE, Orlow I, Begg C, Berwick M. Erythral UV and melanoma pathology: A GEM study of UVE and histopathologic features of single primary melanomas. *21st International Congress of the Society for Melanoma Research*. New Orleans, LA. October 2024.

- Sutton A, **Reynolds AZ**, Turner MA, Harris M, Jones JH. The effects of social influence on behavioral and epidemic dynamics and outcomes. *44th Sunbelt International Network for Social Network Analysis Conference*. Edinburgh, Scotland. June 2024.
- Reynolds AZ**, Jones JH. Friend of a friend because we're birds of a feather: Does homophily cause transitivity in social networks? *44th Sunbelt International Network for Social Network Analysis Conference*. Edinburgh, Scotland. June 2024.
- Turner MA, de Rezende IM, **Reynolds AZ**, Sutton AM, Derwanz HS, Jones JH. Analysis of an agent-based metapopulation model of SARS-CoV-2 variant arrival and spread in the Dourados Indigenous Reserve, Matto Grosso do Sul, Brazil. To be presented at the *59th Congress of Medicina Tropical sob olhar de Saúde Única*. Sao Paulo, Brazil. September 2024.
- Sutton A, **Reynolds AZ**, Turner MA, Hilde-Jones M, Jones JH. The Individual Rationality of Early First Birth Under Conditions of Relative Disadvantage. *Annual Meeting of the Population Association of America*. Columbus, OH. April 2024.
- Reynolds AZ**, Niedbalski SD. Sex-biased gene regulation varies across human populations as a result of adaptive evolution. *92nd Annual Meeting of the American Association of Biological Anthropologists*. Reno, NV. April 2023.
- Reynolds AZ**, Luo L, Shen R, Arora A, Orlov I, Busam K, Lezcano C, Lee T, Hernando E, Gorlov I, Amos C, Ernstoff M, Seshan V, Cust A, Wilmott J, Scolyer R, Mann G, Nagore E, Funchain P, Ko J, Ngo P, Edmiston S, Conway K, Googe P, Ollila D, Lee J, Fang S, Rees J, Thompson C, Gerstenblith M, Bosenberg M, Rothberg BG, Osman I, Saenger Y, Schwartz M, Boyce T, Holmen S, Brunsgaard E, Bogner P, Kuan PF, Wiggins C, Thomas NE, Begg CB, Berwick M. Mutational profiles are differently prognostic in early-stage scalp/neck and face melanomas. *19th International Congress of the Society for Melanoma Research*. Edinburgh, Scotland. October 2022.
- Schwartz M, Luo L, **Reynolds AZ**, Kanda D, Boyce T, Rosso S, Kanetsky P, Gallagher R, Lee TK, Marrett L, Gruber S, Aonton-Culver H, Sacheto L, Ollila DW, Zanetti R, Armstrong B, Cust AE, Orlov I, Begg C, Thomas N, Berwick M. Sex differences in melanoma-specific survival in early-stage cutaneous melanoma. *19th International Congress of the Society for Melanoma Research*. Edinburgh, Scotland. October 2022.
- Wallace IJ, Toya C, Munoz MAP, Martinez A, Meyer JV, Martinez J, Miller-Moore M, Busby T, Harris AR, **Reynolds AZ**, Ruff CB. Effects of an energy balance transition on skeletal health among indigenous peoples of the southwestern United States. *91st meeting of the American Association of Biological Anthropologists*. Denver, CO. March 2022.
- Reynolds AZ**, Niedbalski SD. Genes underlying complex phenotypes demonstrate reversals in sex-biased expression across 11 diverse populations. *119th meeting of the American Anthropological Association*. Baltimore, MD. November 2021.
- Mattison SM, **Reynolds AZ**, Liu R, Baca GD, Zhang M, Sum CY. Gender reversals in social networks based on prevailing kinship norms in the Mosuo of China. *90th Annual Conference of the American Association of Physical Anthropologists*. Held virtually, April 2021.
- Starkweather K, **Reynolds AZ**. Reciprocity across domains explains women's subsistence cooperation in boat-dwelling Shodagor. *90th Annual Conference of the American Association of Physical Anthropologists*. Held virtually, April 2021.
- Lee JA, Leyba K, Reynolds AZ, Ritwika VPS, Borrero D, Mantri P. The Pheno-Evo Model: Evolution of microbial phenotypic diversity in 2D space. *MEEVirtual: Virtual Meeting in Microbial Ecology and Evolution*. Held virtually, June 2020.
- Reynolds AZ**, Niedbalski SD. Genes underlying complex phenotypes demonstrate reversals in sex-biased

expression across 11 diverse populations. *14th Annual New Mexico Bioinformatics, Science, and Technology (NMBIST) Symposium on Clinical Genomics*. Santa Fe, NM. March 2020. Competitively awarded the sole student speaking slot. (Cancelled due to COVID)

Reynolds AZ, Wander K, Sum CY, Su M, Emery Thompson M, Hooper PL, Li H, Shenk MK, Starkweather KE, Blumenfield T, Mattison SM. Matriliney reverses gender disparities in inflammation and hypertension among the Mosuo of Southwest China. *89th Annual Conference of the American Association of Physical Anthropologists*. Phoenix, AZ. April 2020. (Cancelled due to COVID)

Reynolds AZ, Wander K, Emery Thompson M, Shenk MK, Hooper PL, Starkweather KE, Su M, Li H, Blumenfield T, Mattison SM. Kinship predicts inflammation among the Mosuo of Southwest China. *118th Annual meeting of the American Anthropological Association*. Vancouver, BC, November 2019.

Reynolds AZ, Wander K, Emery Thompson M, Shenk MK, Hooper PL, Starkweather KE, Su M, Li H, Blumenfield T, Mattison SM. Matriliney predicts lower inflammation for women among the Mosuo of Southwest China. *7th Annual Conference of the Southwest Association of Biological Anthropologists*. Tempe, AZ, November 2019.

Hare D, **Reynolds AZ**, Sum CY, Shenk MK, Blumenfield T, Mattison SM. Health and reproductive responses to market integration among the matrilineal Mosuo. *31st Annual Conference of the Human Behavior and Evolution Society*. Boston, MA, May 2019.

Baca GD*, **Reynolds AZ**, Zhang M, Sum CY, Mattison SM. Female social networks are more extensive than male networks among Matrilineal Mosuo of Southwest China. *31st Annual Conferences of the Human Behavior and Evolution Society*. Boston, MA, May 2019.

Mattison SM, **Reynolds AZ**, Wander K. Does Community health predict migration behavior? *Global Asia 5 Conference*. State College, PA, April 2019.

Reynolds AZ, Hooper PL, Sum CY, Meng Z, Blumenfield T, Shenk MK, Mattison SM. Social Networks and Distribution of Wealth among the Matrilineal Mosuo of Southwest China. *117th Annual Meeting of the American Anthropological Association*. San Jose, CA, November 2018.

Starkweather K, **Reynolds AZ**. Why risk it? The social and biological benefits to Shodagor women of opting for a higher-risk subsistence strategy. *117th Annual Meeting of the American Anthropological Association*. San Jose, CA, November 2018.

Reynolds AZ, Mattison SM, Emery Thompson M, Su M, Shenk MK, Blumenfield T, Wander K. Kinship Ecology and Sex Differences in CRP Among the Mosuo of Southwest China. *4th Annual Conference of the International Society for Evolution, Medicine, and Public Health*. Park City, UT, August 2018.

Reynolds AZ, Hooper PL, Sum CY, Meng Z, Blumenfield T, Shenk MK, Mattison SM. Social Networks and Distribution of Wealth among the Matrilineal Mosuo of Southwest China. *87th Annual Conference of the American Association of Physical Anthropologists*. Austin, TX, April 2018.

Sum CY, **Reynolds AZ**, Blumenfield T, Shenk MK, Mattison SM. Kinship Mediates the Relationship Between Market Integration and Social Inequality in the Mosuo of Southwest China. *87th Annual Conference of the American Association of Physical Anthropologists*. Austin, TX, April 2018.

Towner MC, Moya C, **Reynolds AZ**, Mattison SM. Evolutionary Demography of Age at Last Birth among the Mosuo: Synthesizing Approaches from Human Behavioral Ecology and Cultural Evolution. To be delivered at the *87th Annual Conference of the American Association of Physical Anthropologists*. Austin, TX, April 2018.

Reynolds AZ, Hooper PL, Jaeggi AV, Crabtree SA, Clark JK. Optimal Harvest Strategies in Central Asian Nomads: Pastoral Adaptation to Mixed Cash-Subsistence Economies. Presented at the *University of New Mexico Shared Knowledge Conference*, Albuquerque, NM, November 2017.

Reynolds AZ, Hooper PL, Jaeggi AV, Crabtree SA, Clark JK. Optimal Harvest Strategies in Central Asian Nomads: Pastoral Adaptation to Mixed Cash-Subsistence Economies. Presented at the 29th Annual Conference of the Human Behavior and Evolution Society, Boise, ID, May 2017.

Reynolds AZ, Hooper PL, Jaeggi AV, Crabtree SA, Clark JK. Optimal Harvest Strategies in Central Asian Nomads: Pastoral Adaptation to Mixed Cash-Subsistence Economies. Presented at the 86th Annual Meeting of the American Association of Physical Anthropologists. New Orleans, LA, April 2017.

Reynolds AZ, Hooper PL, Crabtree SA, Clark JK. Optimality Approaches to Pastoralist Adaptation: Subsistence and Markets in Central Asian Nomadism. Presented at the 45th International Conference on Computer Applications and Quantitative Methods in Archaeology. Atlanta, GA, March 2017.

Reynolds AZ, Koliba C, Zia A, Scheinert S. Isomorphic Properties of Network Governance: Comparing Two Watershed Initiatives in the Lake Champlain Basin Using Institutional Network Analysis. Presented at the 12th Biannual Public Management Research Association Conference. Madison, WI, June 2013.

Reynolds AZ, Koliba C, Zia A, Scheinert S. Isomorphic Properties of Network Governance: Comparing Two Watershed Initiatives in the Lake Champlain Basin Using Institutional Network Analysis. Presented at the American Society for Public Administration (ASPA) Section on Complexity and Network Studies (SCNS) and the Erasmus University at Rotterdam research group on Governance of Complex Systems (GOCS) Joint Conference on “Challenges of Making Public Administration and Complexity Theory Work” (COMPACT Work II). LaVerne, CA, June 2013.

Scheinert S, **Reynolds AZ**, Koliba C, Zia A. Emerging Environmental Governance Networks: The Development of the Network in the Lake Champlain Basin Program’s Opportunities for Action Plans. XXXIII Sunbelt Social Networks Conference of the International Network for Social Network Analysis (INSNA). Hamburg, Germany, May 2013.

Reynolds AZ, Koliba C, Zia A, Scheinert S, Ricketson J. Planning Regimes as Institutional Constraints in the Design of Governance Networks: A Comparative Analysis of Design Regimes in the Lake Champlain Basin. Annual Conference of the American Society for Public Administration. New Orleans, LA, March 2013.

Zia A, Koliba C, Metcalf S, Widener M, **Reynolds AZ**. Decision Making in Watershed Governance Networks: Simulating Heterogeneous Beliefs and Accountability Ties in Agent Based Models. Vermont Experimental Program to Stimulate Competitive Research (EPSCoR) Annual Meeting. Burlington, VT, June 2011.

MEDIA COVERAGE

Sapiens, World Economic Forum, The Conversation, Inverse, Arstechnica, Big Think, Mirage News, Anthropology News, Replicário, sciencenewsnet.in, The Print, allAfrica, Myanmar Times, Brink Global Business News

GRANTS, FELLOWSHIPS, AND AWARDS

In Review \$25,000 Factors Affecting Cancer Care, Treatment, and Quality of Life in New Mexico Rural Counties. w/MPIs: Marianne Berwick, David Savage, Chris Amos, Dolores Guest, Su Zhang, Shane Pankratz. Research Development Pilot Award. University of New Mexico Health Sciences Center.

In Review \$946,800 Sex-Biased Polygenic Influences on Risk for Non-Smoking Lung Cancers. K01 Mentored Research Scientist Development Award. National Cancer Institute.

- In Review \$3,729,506 Factors Affecting Cancer Care, Treatment, and Survival: The New Mexico Cancer Survivorship Cohort. w/MPIs: Marianne Berwick, David Savage, Chris Amos, Prajakta Adsul, Dolores Guest, Su Zhang, Shane Pankratz. Cancer Health Equity Research Center Development Grant. American Cancer Society.
- 2024 \$14,809 Developing Partnerships in New Mexico for a Cancer Cohort Study. w/PIs: Berwick, Amos, Guest. UNM Comprehensive Cancer Center Shared Resource Pilot Project Grant.
- 2022 \$500 Anthropology Student Travel Award, Department of Anthropology, UNM.
- 2022 \$500 Professional Development Grant, Graduate and Professional Students Association, UNM.
- 2022 \$1,000 Full tuition scholarship to attend the National Center for Genome Resources (NCGR) and New Mexico IDEa Network for Biomedical Research Excellence (NM-INBRE) January 2022 virtual Bioinformatics Workshop on Metagenomics.
- 2021 \$100 Graduate Student Travel Award, Evolutionary Anthropology Society (EAS) section of the American Anthropological Association.
- 2021 \$500 Student Research Grant, Graduate and Professional Students Association, UNM.
- 2019 \$2,100 Full tuition and lodging scholarship to attend the National Center for Genome Resources (NCGR) and New Mexico IDEa Network for Biomedical Research Excellence (NM-INBRE) Fall 2019 Bioinformatics Workshop on Differential Gene Expression.
- 2019 \$500 Student Research Grant, Graduate and Professional Students Association, UNM.
- 2019 \$500 Professional Development Grant, Graduate and Professional Students Association, UNM.
- 2019 \$125 Best Student Paper Award, Evolutionary Anthropology Society (EAS) section of the American Anthropological Association.
- 2019 \$100 Graduate Student Travel Award, Evolutionary Anthropology Society (EAS) section of the American Anthropological Association.
- 2019 \$1,000 Scholarship to attend the Santa Fe Institute's 2019 Complex Systems Summer School.
- 2018 \$150 Graduate Student Travel Award, Evolutionary Anthropology Society (EAS) section of the American Anthropological Association.
- 2017 \$6,000 NSF, REG Supplement, Cultural Anthropology (#1738978): *The impacts of market integration and inequality on parental investment in Tanna, Vanuatu.*
- 2017 Honorable Mention, NSF Graduate Research Fellowship Program: *The evolutionary significance of cooperation in the context of emerging markets.*

GUEST LECTURES

Mendelian Genetics. Guest lecture for course *ANTH 151: Human Origins* at the University of New Mexico, February 2020.

Gender Division of Labor Across Cultures. Guest lecture for course *ANTH 360: Human Behavioral Ecology* at the University of New Mexico, March 2019.

Three Styles in the Evolution of Human Behavior and Life History. Guest lecture for course *ANTH 498: Honors Seminar* at University of New Mexico, September 2017.

Life History Theory in Humans and Non-Human Primates. Guest lecture for course *ANT 302: Primate Behavior and Ecology* at Emory University, March 2017.

Social Entrepreneurship, Strategic Planning, and Community Skill-building: Re-envisioning the ReBUILD Woodshop in Burlington, Vermont. Guest lecture for course *CDAE 166: Introduction to Community Entrepreneurship* at the University of Vermont, May 2011.

Strategies for Maintaining Agency and Steering your Higher Educational Experience. Invited discussion for course *Special Section of Introduction to College Studies for Underrepresented Students* at the Community College of Vermont, April 2010.

PEER REVIEW

Social Science & Medicine, Journal of Clinical Oncology, American Journal of Epidemiology, Biomedicines, Scientific Reports, Royal Society Open Science, Human Nature

SERVICE, MENTORING, AND OUTREACH

- 2025 Research mentor to Caitlyn L. Ragan as part of the Cancer Research—Scholarship and Training Experiences in Population Sciences (C-STEPS) program at UNM Comprehensive Cancer Center, University of New Mexico.
- 2023 - 2025 Research mentor to MD students Victor Oliva, Tharani Murali, and Grace Ridgeway.
- 2020 - 2023 Co-President, University of New Mexico Anthropology Club
- 2022 Graduate student panelist and mentor for the Cancer Research—Scholarship and Training Experiences in Population Sciences (C-STEPS) program at UNM Comprehensive Cancer Center, University of New Mexico.
- 2022 Tutor and Independent Study leader for doctoral students. Fall 2022. *Topic: Bayesian statistics and modeling in R.*
- 2020 - 2022 Student Representative, Evolutionary Anthropology Society (EAS) section of the American Anthropological Association.
- 2019 - 2021 Graduate mentor for undergraduate researcher Elizabeth Medina in the Human Family and Evolutionary Demography Lab at UNM.
- 2020 Student Representative, Evolutionary Anthropology Society (EAS) Program Committee for the 2020 American Anthropological Association meetings in St. Louis, MO.
- 2018 - 2020 President, Anthropology Graduate Student Union at the University of New Mexico.
- 2019 Graduate mentor for undergraduate researcher Gabrielle D. Baca in the Human Family and Evolutionary Demography Lab at UNM.
- 2018 Panelist for the UNM Undergraduate Anthropology Society's graduate school Q&A. Fall 2018.
- 2017 Graduate Mentor for students in the Emory Undergraduate Anthropology Student Society. Spring 2017.
- 2016 Tutor for doctoral students in ANT585 Evolutionary Modeling, taught by Dr. Paul Hooper. Emory University. Fall 2016. *Topic: agent-based modeling in NetLogo.*
- 2016 Graduate mentor for students in the Emory Undergraduate Anthropology Student Society. Fall 2016.

- 2013 Tutor for undergrad honors thesis students in Medical Laboratory Science, College of Nursing and Health Sciences, University of Vermont. Spring 2013. *Topics: research design, scientific writing.*
- 2011 Event organizer, speech writer, coach. Economic Solutions Worth Spreading: A Teach-In to Support the Occupy Wall Street Protests. Gund Institute for Ecological Economics, Burlington, VT. October 2011.
- 2011 Tutor for graduate students in the Master of Science and Master of Public Administration programs, University of Vermont. Fall 2011. *Topic: social network analysis.*

RESEARCH CONSULTING & COMMUNITY PROJECTS

- 2016 Northern Mongolia Archaeology and Discovery in Science (NoMADS) Project
Compiled maps of archaeological finds for researchers working in Soyo, Mongolia.
- 2015 Social-Ecological Gaming and Simulation Lab, University of Vermont
Developed APIs and computational data analysis pipelines to assess inter-agency public policymaking networks in the U.S. federal government.
- 2013 Department of Nutrition and Food Sciences, University of Vermont
Developed and analyzed social network models of artisan cheese makers and retailers in New England, focusing on the role of the “cheesemonger” as relationship builder.
- 2012 Vermont Experimental Program to Stimulate Competitive Research (EPSCoR)
Conducted research on institutional networks in watershed management planning in contribution to a large-scale social-ecological model of watershed governance as part of Research on Adaptation to Climate Change in the Lake Champlain Basin (NSF EPS Track 1 Award #1101317).
- 2012 Department of Community Development and Applied Economics, University of Vermont
Assisted with transcription and analysis of interview data for a project assessing the potential impacts of a carbon tax program.
- 2011 Transportation Research Center (TRC) at the University of Vermont
Developed and analyzed faculty collaboration networks on research related to transportation systems. This work contributed to securing a \$1.1M SAFETEA-LU grant from the USDOT.
- 2011 Starry Night Theatre, Burlington VT
Strategized crowd-sourced funding to produce the critically acclaimed off-Broadway play “The Bus” in New York City as well as in Topeka, Kansas.
- 2011 ReSOURCE, ReTRAIN/Youthbuild USA
Conducted program evaluation, market analysis, and strategic planning for a Vermont non-profit which provides alternative education for delinquent and at-risk youth.