

## CURRICULUM VITAE

**Jennifer A. (Kedzie) Raff**

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### **Education**

- 2008 Ph.D., Anthropology and Genetics (dual major), Indiana University, Bloomington, IN.  
Dissertation: *An Ancient DNA Perspective on the Prehistory of the Lower Illinois Valley*
- 2008 M.A., Anthropology, Indiana University, Bloomington, IN.
- 2001 B.A., Biology and Anthropology (double major): Indiana University, Bloomington, IN.

### **Professional Positions**

- 2020-present Associate Professor, Department of Anthropology, University of Kansas
- 2019-present Affiliate Faculty, Indigenous Studies Program, University of Kansas
- 2015-2020 Assistant Professor, Department of Anthropology, University of Kansas.  
Assistant Director, Laboratory of Biological Anthropology, University of Kansas
- 2013-2015 Research Fellow: Department of Anthropology, University of Texas at Austin
- 2011-2013 Postdoctoral Fellow: Division of Endocrinology, Metabolism, and Molecular Medicine, Feinberg School of Medicine, Northwestern University at Chicago
- 2008-2011 Postdoctoral Associate: Department of Anthropology, University of Utah at Salt Lake City
- 2002-2008 Graduate Researcher: Departments of Biology and Anthropology, Indiana University at Bloomington
- 2001-2002 Research Assistant: Department of Biology, Indiana University at Bloomington
- 1997-2001 Undergraduate Research Assistant: Department of Biology, Indiana University at Bloomington

### **Professional Affiliations**

- American Association of Biological Anthropology
- American Society of Human Genetics
- American Association of Anthropological Genetics

American Anthropological Association  
Society for American Archaeology

## Awards

2024 Guggenheim Fellow (General Nonfiction) for “*The Ancients: The untold story of how we became human.*”

2024 Human Biology Association Book Award for *Origin: A genetic history of the Americas*

2023 Phi Beta Kappa Award in Science for *Origin: A genetic history of the Americas*

2022 KU Docking Faculty Scholar

2022 American Anthropological Association W.W. Howells book award for *Origin: A genetic history of the Americas*

2019 KU Docking Faculty Scholar

## Publications

### Books

**Raff JA.** (2022) *Origin: A genetic history of the Americas*. Twelve Books.

New York Times Bestseller (2 weeks on the list),

**Raff, JA.** (2016). *Handbook on Science Literacy*. Kendall/Hunt Publishing Company. ISBN 9781524907358

### Journal Articles

Scott GR, O’Rourke DH, **Raff JA**, Hlusko LJ, Tackney JC, Elias SA, Sicoli MA, Bourgeon L, Potapova O, Pavlova E, Pitulko V, Hoffecker JF (2021). Peopling the Americas: Not “Out of Japan” *PaleoAmerica* 7(4):309-332

**Raff JA** and Mulligan CJ (2021). Race reconciled II: Interpreting and communicating biological variation and race in 2021. *American Journal of Physical Anthropology* 175:313-315.

Braje TJ, Erlandson JM, Torben C. Rick, Davis L, Dillehay T, Fedje DW, Froese D, Gusick A, Mackie Q, McLaren D, Pitblado B, **Raff J**, Reeder-Myers L, and Waters M. (2019). Fladmark + 40: What have we learned about a potential Pacific Coast colonization of the Americas? *American Antiquity* 85(1):1-21.

Flegentov P, Altınışık NE, Changmai P, Rohland N, Mallick S, Adamski N, Bolnick D, Broomandkhoshbacht N, Candilio F, Culleton B, Flegontova O, Friesen TM, Jeong C, Harper T, Keating D, Kennett D, Kim A, Lamnidis T, Lawson A, Olalde I, Oppenheimer J, Potter B, **Raff J**, Sattler R, Skoglund P, Stewardson K, Vajda E, Vasilyev S, Veselovskaya E, Hayes MG, O’Rourke D, Krause J, Pinhasi R, Reich D. (2019). Paleo-Eskimo genetic legacy across North America. *Nature* 570: 236-240.

Reynolds AW, Mata-Míguez J, Miró-Herrans A, Briggs-Cloud M, Sylestine A, OlmosFMB, Ortiz HG, Rzhetskaya M, Orozco LS, **Raff JA**, Hayes MG, Bolnick DA. (2019). Comparing Signals of Natural Selection Between Three Indigenous North American Populations. *Proceedings of the National Academy of Sciences* DOI: <https://doi.org/10.1073/pnas.1819467116>

- Tackney JT and **Raff JA**. (2019). A different way: Perspectives on human genetic research from the Arctic. *SAA Archaeological Record* 19(2): 20-25.
- Raff JA**. (2019). Y not a Pacific migration? Misunderstandings of genetics in service to pseudoscience. *SAA Archaeological Record* 19(5).
- Raff JA**. (2019). Genomic perspectives on the peopling of the Americas. *SAA Archaeological Record* 19(3): 12-15.
- Claw KG, Anderson MZ, Begay RL, Tsosie KS, Garrison NA, and the SING Consortium\*. (2018). A framework for enhancing ethical genomics research with Indigenous communities. *Nature Communications* 9: 2957. **\*Member of SING Consortium.**
- Bardill J, Bader AC, Garrison NA, Bolnick DA, **Raff JA**, Walker A, Malhi RS, and the SING Consortium. (2018). Advancing the Ethics of Paleogenomics: Shifting the Status Quo on Community Consultation. *Science* 360 (6387): 384-385
- Raff J**. (2017). Genetics: Ancient DNA clarifies population histories of the northeastern margin of North America. *Current Biology* 27, R1108-R1129.
- Bolnick DA, **Raff JA**, Springs LC, Reynolds AW, Miro-Herrans AT. (2016). Native American genomics and population histories. *Annual Review of Anthropology* 45:319-340.
- Tackney JC, Potter BA, **Raff JA**, Powers M, Watkins WS, Warner D, Reuther JD, Irish JD, O'Rourke DH. (2015). Two contemporaneous mitogenomes from Terminal Pleistocene burials in Eastern Beringia. *Proceedings of the National Academy of Sciences* 112 (45): 13833–13838, doi: 10.1073/pnas.1511903112
- Raff JA** and Bolnick DA. (2015). Does mitochondrial haplogroup X indicate ancient trans-Atlantic migration to the Americas? A critical re-evaluation. *PaleoAmerica*. 1(4): 297-304 (Open Access).
- Raff JA**. (2015). Anthropological genetics and social media outreach. *American Anthropologist* 117 (4): 744-749
- Raff JA**, Rzhetskaya M, Tackney J, Hayes MG. (2015). Mitochondrial diversity of Inupiat people from the Alaskan North Slope provides evidence for the origins of the Paleo- and Neo-Eskimo Peoples. *American Journal of Physical Anthropology* 157 (4): 603-614
- Reynolds, A.W.\*, **Raff, J.A.\***, Cook, D.C., Kaestle, F.A., and Bolnick, D.A. 2015. Ancient DNA from the Schild site in Illinois: Implications for the Mississippian transition in the Lower Illinois River Valley. *American Journal of Physical Anthropology* 156 (3): 434-448 DOI: 10.1002/ajpa.22668 **\*Co-first authors**
- Li, J., Quinque, D., Li, M., Horz, H., Rzhetskaya, M.R, **Raff, J.**, Hayes, M.G., and Stoneking, M. (2014). Comparative analysis of the human saliva microbiome from different climate zones: Alaska, Germany, and Africa. *PLOS Computational Biology*. doi:10.1186/s12866-014-0316-1
- Raff J.A.** and Bolnick D.A. (2014) Genetic roots of the first Americans. *Nature* 506:162-163.
- Raff, J.A.**, Bolnick, D.A., Tackney, J.C., and O'Rourke, D.H. (2011) Ancient DNA perspectives on American colonization and population history. *American Journal of Physical Anthropology*\* 146:503-514. **\*One of the five most accessed articles in the American Journal of Physical Anthropology in 2011.**

**Raff, J.A.**, Tackney, J.C., and O'Rourke, D.H. (2010) South from Alaska: A pilot aDNA study of genetic history on the Alaskan Peninsula and Eastern Aleutians. *Human Biology* 82(5-6): 677-693.

O'Rourke, D.H., and **Raff, J.A.** (2010) The final frontier: Genetic perspectives on American colonization. *Current Biology* 20:R202-R207.

**Raff, J.A.**, Cook, D.C., and Kaestle, F.A. (2006) Tuberculosis in the New World: a study of ribs from the Schild Mississippian population, West-Central Illinois. *Memórias do Instituto Oswaldo Cruz*, 101(Suppl. II): 25-27. Rio de Janeiro.

Lee, S., Carlson, T., Christian, N., Lea, K., **Kedzie, J.**, Reilly, J.P., Bonner, J.J. (2000). The yeast heat shock transcription factor changes conformation in response to superoxide and temperature. *Molecular Biology of the Cell* 11:1753-1764.

### **Invited Book Chapters**

**Raff JA.** (2018). Ancient DNA and Bioarchaeology. In Companion to Anthropological Genetics, Dennis O'Rourke, Editor. Wiley-Blackwell.

Tackney, J.C., Coltrain, J.B., **Raff JA**, and O'Rourke, D.H. (2016) Ancient DNA and stable isotopes: Windows on Arctic prehistory. In: Oxford Handbook of the Prehistoric Arctic, Max Friesen and Owen Mason, Editors. Oxford University Press.

Meier, R. J. and **Raff, J.A.** (2010) Genetics in Human Biology. In: Human Evolutionary Biology, Michael P. Muehinbein, Editor. Cambridge University Press.

Powell, M.L., Cook, D.C., Langley, M.M., Spencer, S.D., **Raff, J.A.**, and Kaestle, F.A. (2012) The 'African Queen', a Portuguese mystery. In: The Bioarchaeology of Individuals: Bioarchaeological Interpretations of the Past: Local, Regional, and Global, Ann Lucy Stodder and Ann M. Palkovich, Editors. University Press of Florida.

### **Book Reviews**

**Raff, JA.** (May 31, 2018). In an Age of Gene Editing and Surrogacy, What Does Heredity Mean? Review of Carl Zimmer's *She Has Her Mothers Laugh*. The New York Times Book Review.

**Raff, JA.** (2014). Review of Nicholas Wade's *A Troublesome Inheritance*. *Human Biology* Volume 86(3).

### **Invited Lectures**

- 2023            "Genetics and the peopling of the Americas," NASA Goddard Space Flight Center Fall Colloquium speaker. Greenbelt, Maryland, November 1.
- "Ancient DNA research with Indigenous communities across North America," lecture for Genetics Evolution, and Environment department at University College London. October 25.
- "Scientific communication with/for/about the Indigenous peoples of the Americas," lecture in Science Communication class at University College, London. October 24.
- "What genetics tells us about the peopling of North America," presentation to anthropology students at Washburn University, October 2<sup>nd</sup>.

“Genetics and the First Peoples of the Americas,” Milford White 2023 speaker, Baker University. September 28

“What genetics tells us about the peopling of North America,” Talk for 9<sup>th</sup> graders at Bishop Seabury High School, Lawrence KS. September 11.

“Some questions for archaeologists from geneticists,” talk at Beringia Symposium, Institute of Arctic and Alpine Research, University of Colorado at Boulder, March 17-19.

“The past, present, and future of genomics research in the Arctic” Keynote at Alaska Anthropological Association annual meeting, March 4<sup>th</sup>.

“Genetic evidence for the peopling of the Americas.” University of Oklahoma Department of Anthropology, February.

“Origin: A genetic history of the Americas” University of Kansas Hall Center for the Humanities “Meet KU Authors” lecture series, January 26<sup>th</sup>.

2022

“The First Peoples of the Americas,” Smithsonian Institution Hot Topic lecture series. (Virtual). December 15<sup>th</sup>.

“The First Peoples of the Americas,” Science and Society: Making Sense of the World Around Us lecture series (Virtual), December 2<sup>nd</sup>.

“Chronicling the genetic history of the First Peoples of the Americas,” and “Ethical considerations of contemporary paleogenomics,” University of North Carolina. November 15<sup>th</sup>.

“Using genomics to understand the peopling of the Americas,” University of North Dakota Wheeler Lecture. November 3<sup>rd</sup>

Keynote for Diversifying STEM workshop at KU, organized by Justin Blumenstiel, October 22<sup>nd</sup>.

“What genetics tells us about the peopling of North America” Long Ago Yukon lecture series, Beringian Centre. (remote) October 15<sup>th</sup>.

“Paleogenomics: The promise and peril of using genetics to understand the past.” Keynote for the Association on American Indian Affairs Repatriation Conference, New Buffalo MI. October 11-13.

“Origin: What genetics tells us about the peopling of North America,” Department of Anthropology, Princeton University (co-sponsored by the Lewis-Sigler Institute for Integrative Genomics and the Center for Health and Wellbeing), September 29.

“What genetics tells us about the peopling of North America,” Rotary Club Lawrence KS August 24.

“Genetics and the history of the Aniak tribe,” Aniak AK, Aug 12.

“Origin,” Pacific Northwest Archaeological Society (remote) June 9.

“How the Americas were peopled,” Jay Heritage Center, Rye NY. June 3<sup>rd</sup>.

“How the Americas were peopled,” Lawrence Public Library, Lawrence KS. May 22<sup>nd</sup>.

“Origin,” Hoosier Association of Science Teachers Book Chat (remote), May 10<sup>th</sup>.

- “Origin: How Ancient DNA Informs Modern Genealogy,” ACPL (remote), April 21<sup>st</sup>.
- “What genetics tells us about the peopling of North America,” NYC Explorer’s Club (remote), March 21<sup>st</sup>.
- “How humans peopled the Americas,” IEEE Aerospace Conference, Bozeman MT, March 7<sup>th</sup>.
- “How humans peopled the Americas,” Boston University (remote), March 3<sup>rd</sup>.
- “A different way: Reflections on community engaged research as a paleogeneticist” University of Cincinnati Department of Anthropology, January 27
- 2021 “A Guide to Public Scholarship”, KU Commons panel discussion.
- “How humans peopled the Americas” Stuyvesant High school. October 18.
- “Collaborative approaches to investigating the past: Ancient DNA and the history of the Plains.” Explorations in Archaeology series, KU. February 10<sup>th</sup>.
- “Peopling the Americas.” Spirit of the Senses Salon. Phoenix AZ. Jan 17<sup>th</sup>
- 2020 Panel discussant. “The Goodness Paradox: The Strange Relationship between Virtue and Violence in Human Evolution.” Linda Hall Library, September 17<sup>th</sup>.
- 2019 “Untangling the knot: Genetics, Ancestry, Identity, and Race.” Denison University. November 13.
- “Respectful research with ancestors: Approaches to working with Indigenous communities from anthropological genetics.” NIH/NHGRI workshop in Equity, Diversity, and Data Science in Genomics, Carl R. Woese Institute for Genomic Biology, Champagne, Il. September 3-5.
- “Ancient DNA and the ancestors of Indigenous peoples.” KU Red Hot Research No. 53: Ethics. The Commons, University of Kansas. April 12.
- “Genomic perspectives on the peopling of the Americas.” Lehigh University 2019 D. Foster Hewitt Symposium: “The Peopling of North America.” February 8, 2019.
- “Using Ancient DNA to understand the Past: Examples from the Americas.” Institute for Historical Studies, Department of History, University of Texas lecture series: “Reclaiming the Pre-Modern Past” January 30, 2019.
- 2018 “Ancient DNA and the Wichita.” Invited presentation for the Executive Committee of the Wichita and Affiliated Tribes. Oklahoma. December 13<sup>th</sup>, 2018.
- Kavli Conversation on Science Communication. Invited panel discussion with Carl Zimmer at NYU’s Arthur L. Carter Journalism Institute. New York City. October 9<sup>th</sup>, 2018.
- “A different way: Perspectives on human genetic research.” Invited presentation to curators at the Smithsonian Institution National Museum of the American Indian, Washington D.C. September 18, 2018.
- “What genetics tells us about the peopling of the Americas.” Pre-Columbian Society symposium on “Peopling of the Americas.” Washington D.C. September 15, 2018.
- 2017 “Vaccines and society” Presentation to Kansas Health Institute, Topeka KS. NPR Science Friday Live. September 10. Wichita KS.

- 2016 “The increasing complexity of the final frontier: What genetics tells us about the initial peopling of the Americas.” September 6. Evolution, Ecology and Behavior seminar, Lawrence KS.
- “The history of genetics.” NASA ISS Science Friday presentation. March 25. Houston, TX.
- “A lot of smoke, but no fire: A history of the antivaccine movement.” KU Biodiversity Institute and Natural History Museum Science on Tap presentation. Feb 16. Lawrence, KS.
- 2015 “A genetic perspective on the prehistory of the Americas.” University of Missouri, Columbus.
- 2014 “What we currently know (and don’t know) from genetic data about the peopling of the Americas and North American Arctic.” Department of Anthropology, University of Texas at Austin.
- “Ancient DNA research methods and ethics.” Summer Internship for Native Americans in Genomics, University of Texas at Austin.
- “Ancient molecules and migrations: Understanding the origins of the earliest Americans.” The Summer Science Program, New Mexico Institute of Technology.
- 2013 “Anthropological genetic investigations into the final frontier: Human colonization of the North American Arctic.” Department of Anthropology, University of Alaska, Fairbanks.
- “The peopling of the Americas.” Department of Anthropology, University of Alaska, Fairbanks.
- 2012 “Blending genomics and anthropology to understand human prehistory.” Scholarship and Discovery Conversation Series. Sponsored by the School of Health Professions, Mizzou Advantage, and the College of Arts and Sciences, University of Missouri, Columbia.
- 2011 “Women in prehistoric North America.” Women in Science Day Featured Lecture. Sponsored by the Department of Anthropology, Indiana University South Bend.

### **Conferences and symposia organized/chaired/discussant**

- 2023 Discussant, America First Routes. AABA annual meeting, April 19-22 (Reno).
- 2022 Discussant, Symposium on the White Sands Locality II site. SAA 87<sup>th</sup> annual meeting, March 30-Apr 2nd (Chicago)
- 2019-2020 Member of the American Anthropological Association Executive Planning Committee for the 2020 meeting (St. Louis)
- 2019 AAAG-AAPA-AAA-HBA-Wiley symposium “Interpreting and communicating genetic variation in 2019: A conversation on race” March 30. Organizer and chair. 88<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Cleveland OH.
- 2019 AAPA Presidential Panel organizer, panelist, and co-moderator. March 30, 2019. 88<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Cleveland OH.

- 2018 Session Chair, SMBE Satellite meeting on Modern Methods for the Study of Ancient DNA. Providence, RI.
- 2014 Organizing committee, Summer Internship for Native Americans in Genomics. University of Texas at Austin.
- 2014 Co-organizer with Michael O'Brien (University of Missouri) and Dennis O'Rourke (University of Utah), American Colonization and Dispersal: Disciplinary Perspectives and Challenges. Conference sponsored by Mizzou Advantage, University of Missouri.
- 2011 Session Chair, Anthropological Genetics of the Americas. 80<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists. Minneapolis, Minnesota.
- 2007 Co-organizer and Session Chair, Current Frontiers in Evolution, Development, and Genomics. Indiana University & University of Oregon NSF-IGERT Symposium. Bloomington, Indiana.

### Conference presentations

#### \*International conferences

- 2023 Raff, JA. Some questions for archaeologists from geneticists (related to the peopling of the Americas). Beringian Symposium, Institute of Arctic and Alpine Research, University of Colorado Boulder. March 17-19.
- 2022 Sykora L, Tackney J, Morris B, Kisielinski C, Beaty CG, Norman LEY, Adair M, Rutherford A, Skoglund P, Reynolds A, **Raff, JA**. The genomic history of human populations in the North American Central and Southern Plains. Poster presented at the American Society of Human Genetics Meetings October 2022.
- 2022 Sykora L, Tackney J, Morris B, Kisielinski C, Beaty CG, Norman LEY, Reynolds A, **Raff, JA**. Ancient human genomes from the Plains: Preliminary evidence for long-distance population continuity. Poster presented at KU Genomics Symposium May 2022.
- 2021 **Raff J**. Serving graduate students during a pandemic and civil rights crisis. Podium presentation for AAAG-AAPA Joint Symposium: Thinking beyond the lab? Anthropological geneticists' response to the COVID-19 pandemic and summer of civil unrest.
- 2021 Potter B, Kisielinski C, Tackney J, **Raff, J**, O'Rourke D, Sellet F. 2021. Bloody Sharp Rocks: Optimization of aDNA extraction from experimental lithic artifacts. Poster presented at SAAs.
- 2019 Muskrat J, Marriage T, Alden S, Sykora L, Tackney J, Beaty K, Barrett C, Crawford M, Rohland N, Reich D, O'Rourke D, **Raff J**. 2019. Evaluating the presence of previously identified archaic introgressed haplotypes in contemporary Aleuts. 88<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Cleveland OH.
- 2018 Balentine CM, Reynolds AW, Miró-Herrans A, Mata-Míguez J, Rzhetskaya M, **Raff JA**, Hayes MG, Bolnick D. Investigating region-specific natural selection and admixture-associated selection in the Indigenous peoples of the Americas. 87<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Austin TX.



- 2018 **Raff JA**, Reynolds AW, Turpin S, Rohland N, Reich D, Bolnick DA. Paleogenomic investigations of the ancient inhabitants of the Lower Pecos region of Texas and Northern Mexico. 87<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Austin TX.
- 2018 **Raff JA**, Reynolds AW, Turpin S, Rohland N, Reich D, Bolnick DA. Paleogenomic investigations of the ancient inhabitants of the Lower Pecos region of Texas and Northern Mexico. Society for Molecular Biology and Evolution Satellite meeting on Modern Methods for the Study of Ancient DNA. Providence, RI.
- 2017 **Raff JA**. Communicating early career research: The importance of outreach. Invited Poster in Symposium: Training the Next Generation of Biological Anthropologists. 86<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, New Orleans LA.
- 2017 Smith RWA, **Raff JA**. Little Green Men, Huge Angry People, and Across the Water Visits: Very Wrong Things People Say about Old Times in the New World. Invited Podium Symposium. Up Goer Five PhysAnth Edition: Communicate Your Science Using English's Ten Hundred Most Common Words. 86<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, New Orleans LA.
- 2017 **Raff, Jennifer A**, Justin Tackney, Margarita Rzhetskaya, M. Geoffrey Hayes, and Dennis H. O'Rourke. "New perspectives on Arctic prehistory from ancient and contemporary genetics." 44th Annual Meeting of the Alaska Anthropological Association, Fairbanks AK. March 2017.
- 2016 **Raff JA**, Mata-Miguez J, Ku, CR, Bolnick DA. Ancient DNA analysis of the prehistoric inhabitants of the Lower Pecos Region of Texas and Northern Mexico. 85<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Atlanta GA. April 16.
- 2015 Bolnick D and **Raff JA**. Imposing Colonial Modernity on the Past: Narratives of Identity and Race in Ancient DNA Research. Invited paper In Executive Session "Identity, Belonging, and the Biopolitics of DNA in Colonial Modernity". American Anthropological Association Annual meeting. November 18-22, 2015.
- 2015 **Raff JA**, Miro-Herrans A, Jensen A, Rzhetskaya M, Armstrong L, Hayes MG, Bolnick D. Reconstructing the effects of European contact on North Slope Iñupiat Populations through genetic, archaeological, and ethnohistoric research. Invited Poster Symposium: Thinking anthropologically about genetics. Chair: Bridget FB. Algee-Hewitt Co-Organizer: Amy Goldberg. 84<sup>th</sup> annual meeting of the American Association of Physical Anthropologists, St. Louis, Missouri. March 25-28<sup>th</sup>.
- 2015 Hayes, M., Tackney, J, **Raff, J**, O'Rourke D.H. Current developments in anthropological genetics of the North American Arctic. Multi-generational perspectives on human biology and anthropological genetics: A Symposium in honor of Michael H. Crawford. Invited HBA-AAPA Poster Symposium. Chair: William R. Leonard. 84<sup>th</sup> annual meeting of the American Association of Physical Anthropologists, St. Louis, Missouri. March 25-28<sup>th</sup>.
- 2015 Panelist, AAPA/AAAG Education workshop on communication and outreach issues in anthropology. 84<sup>th</sup> annual meeting of the American Association of Physical Anthropologists, St. Louis, Missouri. March 25-28<sup>th</sup>.

- 2014 **Raff, J.A.**, and Bolnick, D. Ancient DNA analysis of the prehistoric inhabitants of the Lower Pecos region of Texas. Texas Archaeological Society Annual Meeting, October 2014.
- \*2014 **Raff, J.A.**, Rzhetskaya, M.R, and Hayes, M.G. Understanding the colonization of the North American Arctic: Phylogenetic analysis of Y chromosome lineages from Iñupiat populations of the Alaskan North Slope. 83<sup>rd</sup> annual meeting of the American Association of Physical Anthropologists. Calgary, Alberta, Canada. April 9-12, 2014.
- 2013 **Raff, J.A.**, Rzhetskaya, M.R., and Hayes, M.G. Proposed revisions to human mitochondrial haplogroup phylogenies A2 and D4 based on whole mitochondrial genome sequencing of Alaskan Iñupiat populations. Poster presented at the Society for Molecular Biology and Evolution Annual Meeting, Chicago, IL. July 9-11.
- 2013 Torosin N.S., **Raff, J.A.**, and Hayes, M.G. A genetic test for the effect of the Toba volcanic eruption on worldwide population sizes in animal species. Poster presented at the Society for Molecular Biology and Evolution Annual Meeting, Chicago, IL. July 9-11.
- 2013 **Raff, J.A.**, Rzhetskaya, M.R., and Hayes, M.G. Understanding the colonization of the North American Arctic: The results of whole mitochondrial genome sequencing of Iñupiat populations of the Alaskan North Slope. Paper presented at 82<sup>nd</sup> Annual Meeting of the American Association of Physical Anthropologists. Knoxville, TN. April 9-13.
- 2013 **Raff, J.A.**, Rzhetskaya, M.R., and Hayes, M.G. Patterns of genetic diversity and shared mitochondrial and Y-chromosome lineages among Iñupiat communities of the Alaskan North Slope. Paper presented at the annual meeting of the Alaska Anthropological Association. Anchorage, AK. March 13-16.
- 2012 **Raff, J.A.**, Tackney, J.C., Rzhetskaya, M.R., and Hayes, M.G. Analysis of whole mitochondrial genomes from Inupiat populations of the Alaskan North Slope. Poster presented at the 62<sup>nd</sup> annual meeting of the American Society of Human Genetics. San Francisco, CA. November 6-10.
- 2012 **Raff, J.A.**, Rzhetskaya, M.R., Tackney, J.C., O'Rourke, D.H., and Hayes, M.G. Mitochondrial and Y-chromosome diversity in Inupiat populations of the Alaskan North Slope: Implications for North American Arctic prehistory. Paper presented at the 18<sup>th</sup> Inuit Studies Conference. Washington, D.C. October 24-28.
- 2012 **Raff, J.A.**, Rzhetskaya, M.R., and Hayes, M.G. Y Chromosome diversity in Inupiat populations of the Alaskan North Slope. Paper presented at the 81<sup>st</sup> Annual Meeting of the American Association of Physical Anthropologists. Portland, OR. April 12-14.
- 2012 Tackney, J.C., **Raff, J.A.**, Rzhetskaya M.R., Jensen, A.M., O'Rourke, D.H., and Hayes, M.G. Ancient and modern genetic diversity of Inupiat populations from the Alaskan North Slope. Paper presented at the invited symposium: Innovation, Challenges and New Directions in Genetic Research with Indigenous Populations. 81<sup>st</sup> Annual Meeting of the American Association of Physical Anthropologists. Portland, OR. April 12-14.
- 2012 **Raff, J.A.**, Rzhetskaya, M.R., Tackney, J.C., O'Rourke, D. H., and Hayes, M. G. Human migrations in the Arctic: Mitochondrial DNA evidence for the origins of the Paleo- and Neo- Eskimo peoples. 39<sup>th</sup> Annual Conference of the Alaskan Anthropological Association. Seattle, WA. February 29-March 3.

- \*2011 Tackney, J.C., **Raff, J.A.**, Rzhetskaya, M.R., Hayes, M.G., and O'Rourke, D.H. Ancient and modern genetic diversity of Inupiat populations from the Alaskan North Slope: Insights into Paleo- and Neo-Eskimo origins. Paper presented at the International Conference Comparing Ancient and Modern DNA Variability in Human Populations. Portugal. November 23-25.
- \*2011 **Raff, J.A.**, Rzhetskaya, M.R., Armstrong, L., and Hayes, M.G. Increased genetic diversity observed among Inupiat populations from the Alaskan North Slope. Poster presented at the 12<sup>th</sup> International Congress of Human Genetics. Montreal, Canada. October 11-15.
- \*2011 Tackney, J.C., **Raff, J.A.**, Coltrain, J.B., Jensen, A.M., and O'Rourke, D.H. Molecular analysis of an ancient Thule population at Point Barrow, Alaska. Poster presented at the 12<sup>th</sup> International Congress of Human Genetics. Montreal, Canada. October 11-15.
- 2011 **Raff, J.A.**, Tackney, J. C., and O'Rourke, D.H. South from Alaska: An aDNA study of the genetic history of the Alaska Peninsula and Eastern Aleutians. Paper presented at the 80<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists. Minneapolis, MN, April 12-16.
- 2011 Millward, G., Harrison, J., **Raff, J.**, Kaestle, F., and Cook, D.C. Measuring the genetic effect of the Mississippian transition in the Lower Illinois River Valley: An ancient DNA analysis. Paper presented at the 80<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists. Minneapolis, MN, April 12-16.
- 2010 O'Rourke, D.H., Tackney J.C., and **Raff, J.A.** Ancient DNA insights into American colonization. Paper presented at the Wiley-Blackwell Symposium at the 79<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists. Albuquerque, NM. April 14-17.
- 2010 **Raff, J.A.**, Tackney, J.C., and O'Rourke, D.H. South from Alaska: An aDNA study of genetic history on the Alaska Peninsula and Eastern Aleutians. Paper presented at the 18<sup>th</sup> annual Arctic Conference. Bryn Mawr, PA. November 12-13.
- 2009 **Raff, J.A.**, Marchani, E., and O'Rourke, D.H. mtDNA sequences in prehistoric populations of the Alaska Peninsula: Mink Island and Port Moller. Paper presented at the 17<sup>th</sup> annual Arctic Conference. Boulder, CO. November 13-14.
- 2008 **Raff, J.A.**, Cook, D.C., Alt, S., and Kaestle, F.A. Gene flow and the Mississippian emergence in the Lower Illinois Valley. Paper presented at the 37<sup>th</sup> annual Midwestern Archaeology Conference, Milwaukee WI. October 16-19.
- 2008 **Raff, JA**, Kaestle, F.A., and Cook, D.C. Mortuary practices and communicable disease risk: Implications for tuberculosis transmission in pre-Columbian North America. Paper presented at the 35<sup>th</sup> annual meeting of the Paleopathology Association. Columbus, OH. April 8-9.
- \*2008 Kaestle, F.A., **Raff J.A.**, and Millward, G. Kinship in the archaeological record: Ancient DNA insights. Paper presented at the 73<sup>rd</sup> annual Society for American Archaeology Meetings. Vancouver, BC, Canada. March 26-30.
- \*2007 Powell, M.L., Cook, D.C., Langley, M.M., **Raff, J.A.**, and Kaestle, F.A. The 'African Queen,' a Portuguese mystery. Paper presented at the 2<sup>nd</sup> annual

- Paleopathology Association South American Meetings. Santiago, Chile. November 14-16.
- 2007 Cook, D.C., **Raff, J.A.**, Kaestle, F.A., and Garniewicz, R. Rearticulate burials from Pete Klunk Mound 1: A Middle Woodland representation of the honored dead. Paper presented at the 36<sup>th</sup> annual Midwest Archaeology Conference, Notre Dame, IN. October 4-6.
- 2006 **Raff, J.A.**, Cook, D.C., and Kaestle, F.A. The Madonna and Child Trope: Mortuary practices in Illinois. Paper presented at the 35<sup>th</sup> annual Midwest Archaeological Conference, Urbana, IL. October 12-15.
- 2006 **Raff, J.A.**, Cook, D.C., Bolnick, D.A., and Kaestle, F.A. The Evolution of tuberculosis in prehistoric North America. Poster presented at the IU & Univ. of Oregon NSF IGERT Mini symposium: Origin of Novel Features. Bloomington, IN. October 6-8.
- 2006 Kaestle, F.A., **Raff, J.A.**, Giesting, K., and Cook, D.C. TB in pre-contact North America: Who had it and what was it? Paper presented at the 75<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Anchorage, AL. March 5-12.
- 2005 **Raff, J.A.** Fenn, M., Cook, D.C., and Kaestle, F.A. Ancient DNA investigations of Woodland and Mississippian populations in the Lower Illinois Valley. Paper presented at the 104<sup>th</sup> Annual Meeting of the American Anthropological Association, Washington D.C. November 30 - December 4.
- 2005 **Raff, J.A.**, Cook, D.C., and Kaestle, F.A. Strain analysis and prevalence of tuberculosis in ancient North America; Evidence from the Schild Mississippian cemetery. Paper presented at the 74<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Milwaukee, WI. April 7-9.
- \*2005 Kaestle, F.A., **Raff, J.A.**, and Cook, D.C. Ancient DNA analysis of pre-contact TB. Paper presented at the 1<sup>st</sup> Paleopathology Association Meetings in South America, Rio de Janeiro, Brazil. July 27-29.
- 2005 **Raff, J.A.**, Chang, S., Kaestle, F.A., and Cook, D.C. The relationship between rib periosteal lesions and tuberculosis complex infection. Poster presented at the 32<sup>nd</sup> Annual Meeting of the Paleopathology Association, Milwaukee, WI. April 4-6.

## **Grants**

### Externally funded proposals

- 2023 Supplement awarded for *American Dispersals: The Genetic History of the Aleut People* (\$57,643). National Science Foundation.
- 2021 *Investigating the genetic history of the central and Southern Plains* (\$460,000). National Science Foundation. (3 years)
- 2020 REI supplement for NSF grant (\$6,000).
- 2020 Szpak Paul (PI), **Raff Jennifer** (co-PI). (CAD \$69,459) Isotopic Prehistory of the Wichita and Affiliated Tribes. SSHRC Insight Development Program (Canada).
- 2019 *Early Career Grant* (co-PI with Justin Tackney) (\$10,000). National Geographic Society. (1 year)

- 2019 *American Dispersals: The Genetic History of the Aleut People*. (\$450,000). National Science Foundation. (3 years)
- 2018 Funding awarded for AAAG symposium “Interpreting and communicating genetic variation in 2019: A conversation on race” March 27-30. (American Association of Physical Anthropologists, American Anthropological Association).
- 2015 *Identifying Genomic Signatures of Evolutionary and Cultural Change in Native Americans* (\$285,845). National Science Foundation. Co-PI with Deborah Bolnick. (3 years)
- 2014-2015 *Ancient DNA Analysis of the Prehistory of the Lower Pecos Region of Texas* (\$27,600 Direct Costs), Rock Art Foundation. Co-PI (PI: Deborah Bolnick).
- 2014-2015 *Uncovering the Genetic Legacy of Fueguians and Patagonians through Modern and Ancient DNA Analyses* (\$10,000 Direct Costs). National Geographic Genographic Project. Sub-contract (PIs: Marta Durruty and Miguel Vilar).
- 2004, 2006 *The evolution of tuberculosis in prehistoric North America* (\$80,000), National Science Foundation IGERT Doctoral Fellowship.

#### Internally funded proposals

- 2018 *Ancient Alaskan origins and expansion: Re-aligning archaeological and genetic evidence*. (\$12,000). KU Research Excellence Initiative. (1 year).
- 2018 *A pilot ancient DNA study of the ancestors of the Wichita*. (\$14,540.50). KU Research Grant Opportunity program. (1 year)
- 2018 *Siberian genetic diversity and the origins of Native American populations* (\$8,000). University of Kansas New Faculty General Research Fund. (1 year)
- 2018 Genome sequencing center voucher for work on ancient genome from the Alaska Peninsula (\$3,120) (1 year)
- 2016 *Testing alternative models of Native American migration history with ancient DNA* (\$4,900). KU Center for Migration Research Institute for Policy and Social Research 2016 Seed Grant Program. (1 year)
- 2005 *The evolution of tuberculosis in prehistoric North America* (\$3,000), Skomp Research Feasibility Grant. Indiana University. (1 year)
- 2004 *Prehistoric population movements and disease in ancient North America* (\$3,000), Skomp Research Feasibility Grant. Indiana University. (1 year)
- 2002 Women in Science Program Graduate Fellowship (\$18,000). Indiana University

#### Field experience

- 2016 Aleut population genetic history project. Anchorage, AK. Collected DNA samples from participants in a new genetic study of Aleut populations.
- 2009, 2010 IPY Project: Reconstructing Genetic History on the Alaskan North Slope. (PIs: Dennis H. O’Rourke and M. Geoffrey Hayes). Assisted in Thule burial excavation, collection of samples for aDNA analysis, and analysis of contemporary DNA samples from North Slope communities.

2000 Western Belize Regional Cave Project, Cayo District, Belize. (PI: Jaime Awe). Archaeological excavations of Classical Mayan sites (including Actun Tunichil Muknal).

## **Teaching**

### Undergraduate

- Origins of Native Americans (hybrid undergraduate/graduate course)
- Becoming Human
- Controversies on the Living and the Dead
- Laboratory/Field Work in Human Biology
- Fundamentals of Physical Anthropology.
- Information Literacy for Biologists
- Molecular Biology
- Genetics
- Cell biology

### Graduate

- “Write Your Paper” (EEB)
- Critical Analysis of Scientific Literature
- Laboratory Methods in Physical Anthropology
- Grant Writing
- Faculty member for Summer Internship for Indigenous Peoples in Genomics (SING) workshop (University of Texas 2014, University of Illinois 2016, University of Illinois 2019, SING Canada, 2021 (Virtual)).
- Member of the SING Consortium.

## **Service**

### Discipline

2023 American Anthropological Association Executive Board (Biological Anthropology Seat) member. November 2023-November 2026

2023 Reviewer for NSF Science and Technology Center proposal.

2023 Reviewer for Deutsche Forschungsgemeinschaft (German Research Foundation)

2022 Reviewed Center proposal for Carl Wose Institute for Genomic Research

2022 Reviewer for Deutsche Forschungsgemeinschaft (German Research Foundation)

2021 NSF DDRIG review panel

2021 Ancient DNA ethics working group

2021 Session chair, AAPA session on genetics and genomics

- 2021 Co-guest editor, American Journal of Physical Anthropology special issue: *Race reconciled II: Interpreting and communicating biological variation and race in 2021*. June 2021.
- 2021 AAA Executive Program Committee
- 2020 Drafted statement in response to civil rights crisis for AAAG
- 2019 NSF DDRIG review panel
- 2019-present Social Media Committee, American Association of Physical Anthropology
- 2020-2021 Past President, AAAG
- 2019-2020 President, AAAG
- 2018-2019 Vice-President, AAAG

### **University of Kansas - Department of Anthropology**

- 2019-present Director of Graduate Studies
- 2021-present Member of Curriculum Committee
- 2021 Member of Faculty Search Committee in Biological Anthropology
- 2020 Drafted KU Anthropology statement in response to civil rights crisis
- 2019 Member of Anthropology Chair Search Committee
- 2018-2019 Member of Strategic Planning Committee  
Member of Colloquium Committee.
- 2015, 2016 Member of Undergraduate Committee  
Co-chair of Website and Social Media Committee  
Chair of Learning Outcomes Committee

### **University of Kansas – Indigenous Studies Program**

- 2021 Member of Langston Hughes Visiting Professor Search Committee
- 2020-present Indigenous Studies Executive Committee
- 2020-present Indigenous Studies Affiliate Faculty
- 2019 Member of Langston Hughes Visiting Professor Search Committee

### **University of Kansas**

- 2022 Office of Compliance search committee for NAGPRA coordinator
- 2021-present KU Center for Genomics Advisory Board
- 2021-2022 EEB faculty search committee
- 2020-present Co-organizer and co-facilitator, KU Public Scholars Group

### **Referee for Journals**

*bioRxiv* affiliate

*Nature, PNAS, PaleoAmerica, American Journal of Physical Anthropology, American Journal of Human Biology, Genome Research, BMC Evolutionary Biology, Cellular and Molecular Life Sciences, International Journal of Paleopathology.*