

John Lindo

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EDUCATION

2015-2017	Postdoctoral Scholar in Human Genetics	University of Chicago, Chicago, IL
2015	Ph.D. Anthropology	University of Illinois, Champaign-Urbana, IL
2010	M.A. Anthropology	University of Pennsylvania, Philadelphia, PA
2005	J.D.	Boston College Law School, Newton, MA
2001	B.S. Chemistry	University of Virginia, Charlottesville, VA

APPOINTMENTS

2017-Present	Assistant Professor, Department of Anthropology, Emory University
2018-Present	Faculty Member, Program in Population Biology, Ecology and Evolution, Emory
2018-Present	Faculty Member, Program in Genetics and Molecular Biology, Emory

HONORS AND AWARDS

2019	National Academy of Sciences Kavli Fellow
2015-2017	University of Chicago Provost's Postdoctoral Scholar
2017	NSF SBE Postdoctoral Research Fellowship, "The Evolutionary History of the Andean Peoples: High Altitude Adaptation, European Contact, and Pathogens." (Declined)
2014	NSF Doctoral Dissertation Research Improvement Grant, "Identifying Adaptations to Pathogens and the Environments of the Americas via Native American Paleogenomic Diversity."

CURRENT GRANTS

2021-2023	MP3 Seed Grant: Cystic fibrosis trait carrier advantage: protecting against ancient and modern epidemics. <i>Amount awarded: \$300,000 (Co-PI: Lindo).</i>
2020-2025	NSF CAREER: Understanding the Evolutionary and Adaptive Histories of the People of the Americas via the Integration of Ancient DNA Research and Interactive Education. <i>Amount awarded: \$600,000 (PI: Lindo)</i>
2019-2022	NSF Collaborative Research: Understanding the Deep Ancestry of the Indigenous People of North America. <i>Amount awarded: \$357,087 (PI: Lindo)</i>
2019-2022	National Geographic Foundation: Understanding the genetic architecture of Human Adaptation in the Andes via Ancient DNA. <i>Amount awarded: \$25,000 (PI: Lindo)</i>

MANUSCRIPTS IN PREP

Lindo, J., Rodriguez-Alegria, E., Reynolds, A., Malhi, R.S., D. Bolnick
"The Genetic Legacy of the Aztec Civilization."

Santos, A., DeGiorgio, M. and **Lindo, J.** "Austronesian ancestry signals from a 10,000 year-old Population from Brazil."

Figuerio, G., De La Rosa, R., **Lindo, J.** "Reconstructing the population history of the lost indigenous people of Uruguay."

Lindo, J. and DeGiorgio, M. "Neanderthal Ancestry in the Indigenous People of the Americas."

Pryor, Y. and **Lindo, J.** "A stochastic theory behind human skin pigmentation and categorizations of Race."

MANUSCRIPTS IN REVIEW

- 2021 **Lindo, J.** and Andre Strauss. “Molecular Anthropology: Indigenous Peoples and the South American Past.” *Oxford handbook of South American Archaeology*. Oxford University Press, Oxford.

PUBLICATIONS

**Indicates corresponding author.*

- 2021 **Lindo, J.*** and DeGiorgio, M. Understanding the Adaptive Evolutionary Histories of South American Ancient and Present-Day Populations via Genomics. *Genes* 12:360.
- 2020 Kovalaskas, S., Rilling, J. **Lindo, J.***, Comparative analyses of the *Pan* lineage reveal selection on gene pathways associated with diet and sociality in bonobos. *Genes, Brain, and Behavior*, 20:e12715.
- 2018 **Lindo, J.***, Haas, R., Hofman, C., Apata, M., Moraga, M., Verdugo, R., Watson, J., Viviano Llave, C., Witonsky, D., Vargas Pacheco, E., Villena, M., Soria, R., Beall, C., Warinner, C., Novembre, J., Aldenderfer, M., Di Rienzo, A. The genetic prehistory of the Andean highlands 7,000 Years BP through European contact. *Science Advances* 4:eaau4921.
- 2018 **Lindo, J.***, Petzelt, B. Mitchell, J., Cybulski J., DeGiorgio, M., Malhi, R. Patterns of Coding Variation in a Native American Population before and after European Colonization. *American Journal of Human Genetics* 102:806-815.
- 2018 Scheib, C., Li, H., Desai, T., Link, V., Kendall, C., Dewar, G., Griffith, P., Mörseburg, A., Johnson, J., Potter, A., Kerr, S., Endicott, P., **Lindo, J.**, Haber, M., Xue, Y., Tyler-Smith, C., Sandhu, M., Lorenz, J., Randall, T., Faltyskova, Z., Pagani, L., Danecek, P., O’Connell, T., Martz, P., Boraas, A., Byrd, B., Leventhal, A., Cambra, R., Williamson, R., Lesage, L., Holguin, B., Soto, E., Rosas, J., Metspalu, M., Stock, J., Manica, A., Scally, A., Wegmann, D., Malhi, R., Kivisild, T. Ancient human parallel lineages within North America contributed to a coastal expansion. *Science* 360:1024-1027.
- 2017 **Lindo, J.**, Achilli, A., Perego, U., Archer, D., Valdiosera, C., Petzelt, B., Mitchell, J., Worlg, R., Dixon, J., Fifield, T., Rasmussen, M., Willerslev, E., Cybulski, J., Kemp, B., DeGiorgio, M., and Malhi, R. Ancient individuals from the North American Northwest Coast reveal 10,000 years of regional genetic continuity. *PNAS* 114:4093-4098.
- 2017 Kar, R. and **Lindo, J.** Race and the Law in the Genomic Age: A Problem for Equal Treatment Under the Law. *The Oxford Handbook on Law and Technology, Vol. 1, pp. 1–40*. Oxford University Press. <http://doi.org/10.1093/oxfordhb/9780199680832.013.55>
- 2016 **Lindo, J.**, Huerta-Sánchez, E., Nakagome, S., Rasmussen, R., Petzelt, B., Mitchell, J., Cybulski, J., Willerslev, E., DeGiorgio, M., Malhi, R. A time transect of exomes from a Native American population before and after European contact. *Nature Communications* 7:13175.
- 2015 Kemp, B., **Lindo, J.**, Bolnick, D., Malhi, R., Chatters, J. Response to Comment on “Late Pleistocene human skeleton and mtDNA link Paleoamericans and modern Native Americans.” *Science* 347:835.
- 2015 Raghavan, M., Steinrücken, M., Harris, K., Schiffels, S., Rasmussen, S., DeGiorgio, M., Albrechtsen, A., Valdiosera, C., Ávila-Arcos, M. C., Malaspina, A.-S., Eriksson, A., Moltke, I., Metspalu, M., Homburger, J. R., Wall, J., Cornejo, O. E., Moreno-Mayar, J. V., Korneliusson, T. S., Pierre, T., Rasmussen, M., Campos, P. F., de Barros Damgaard, P., Allentoft, M. E., **Lindo, J.**, Metspalu, E., Rodríguez-Varela, R., Mansilla, J., Henrickson, C., Seguin-Orlando, A., Malmström, H., Stafford, T., Shringarpure, S. S., Moreno-Estrada, A., Karmin, M., Tambets, K., Bergström, A., Xue, Y., Warmuth, V., Friend, A. D., Singarayer, J., Valdes, P., Balloux, F., Lebreiro, I., Vera, J. L., Rangel-Villalobos, H., Pettener, D., Luiselli, D., Davis, L. G., Heyer, E., Zollikofer, C. P. E., de León, M. S. P., Smith, C. I., Grimes, V., Pike, K.-A., Deal, M., Fuller, B. T., Arriaza, B., Standen,

V., Luz, M. F., Ricaut, F., Guidon, N., Osipova, L., Voevoda, M. I., Posukh, Mosher, M. J., Archer, D., Cybulski, J., Petzelt, B., Mitchell, J., Worl, R., Norman, P. J., Parham, P., Kemp, B. M., Kivisild, T., Tyler-Smith, C., Sandhu, M. S., Crawford, M., VILLEMS, R., Smith, D. G., Waters, M. R., Goebel, T., Johnson, J. R., Malhi, R. S., Jakobsson, M., Meltzer, D. J., Manica, A., Durbin, R., Bustamante, C. D., Song, Y. S., Nielsen, R., and Willerslev, E. Genomic evidence for the Pleistocene and recent population history of Native Americans. *Science* 349:1-20.

- 2015 Motti, J., Hagelberg, E., **Lindo, J.**, Malhi, R., Bravi, C., Guichon, R. First Complete Mitochondrial Genome Sequence from Human Skeletal Remains of the Coast of Santa Cruz, Argentina. *Magallania* 43:119-131.
- 2013 Yinqiu, C., **Lindo, J.**, Hughes, C., Johnson, J., Hernandez, A., Kemp, B., Ma, J., Hernandez, R., Petzelt, B., Mitchell, J., Archer, D., Cybulski, J., Malhi, R. Ancient DNA analysis reveals temporal continuity from mid-Holocene to present-day of complete mitochondrial genomes on the Northwest Coast of North America. *PLoS One* 8:e66948.

INVITED TALKS

- 2021 “Understating the Evolutionary Histories of the Indigenous People of the Americas via Genomics.” University of California, Berkeley. February 22nd.
- 2020 “Disentangling Race from Population Histories.” University of Colorado at Boulder, March, 19th.
- 2019 “Understating Human Evolution through Ancient DNA.” Boulder, CO, February 13th. Kavli Frontiers of Science Symposium, U.S. National Academy of Sciences. Incheon, Korea, June 20th.
- 2019 “The genetic prehistory of the Andean highlands 7,000 Years BP though European contact,” Society for American Archaeology session on “Ancient DNA in Service of Archaeology.” Albuquerque, NM, April 12th.
- 2018 “The genetic prehistory of the Andean highlands 7,000 Years BP though European contact,” The Max Planck Institute for the Science of Human History, Jena, Germany, September 14th.
- 2018 “The Peopling of the Ancient Andes,” American Museum of Natural History, New York, NY, February 5th.

CONFERENCE TALKS

- 2019 “Coding variation in Native Americans before and after European Contact.” American Anthropological Association Annual Meeting. Cleveland, OH, March 30th.
- 2018 “The genetic prehistory of the Andean highlands 7,000 Years BP though European contact,” American Association of Physical Anthropologists Annual Meeting, Austin, TX, April 17th.
- 2017 “Race and the Law in the Genomic Age: A Problem for Equal Treatment Under the Law” American Anthropological Association Annual Meeting, Washington, D.C., December 3rd.
- 2017 “Ancient individuals from the North American Northwest Coast reveal 10,000 years of regional genetic continuity.” American Anthropological Association Annual Meeting, New Orleans, LA
- 2016 “A time transect of exomes from a Native American population before and after European contact.” American Anthropological Association Annual Meeting, Atlanta, GA
- 2015 “A time transect of exomes from a Native American population before and after European contact.” Annual Meeting for the Society of Molecular Biology, Vienna, Austria.

TEACHING

Anthropology 101: Introduction to Anthropology
 Anthropology 332: Race in the Age of Genomics
 Anthropology 315/Biology 318: Ancient DNA and Human Evolution
 Anthropology 334: Evolutionary Medicine
 Anthropology 585: Computational Genetics (Graduate Course)
 Anthropology 585-3: Race, Science, and Social Justice (Graduate Course)

MENTORING ACTIVITIES (2020/2021)

Postdoctoral Researcher: Amanda Owings

Graduate Students: Carmen Shaw (PBEE, M.S. 2020), Yemko Pryor (GMB), Margaret Murphy (Anthropology), Sophie Joseph (Anthropology)

Graduate Anthropology Thesis Committee Member for: Madison Bondy and Luisa Rivera

Undergraduate Researchers in the Lindo Lab: Giveth Rocha, Alexa Rome, Alex Sandberg, Alice Lin, Rosseirys De La Rosa, Sowmya Karra, Joanne Wu, and David Solano.

DIVERSITY AND INCLUSION

2020-Present BLIS: Black and LatinX in Stem, Faculty Advisory Board

2019-Present NIH Initiative to Maximize Student Development, Emory Faculty Participant

2019 Annual Summer Internship for Indigenous peoples in Genomics (SING), Facilitator

2018 Emory STEM Symposium for Underrepresented Minorities, Faculty coordinator

2014 Annual Summer Internship for Indigenous peoples in Genomics (SING), Instructor

REVIEWER ACTIVITIES

Grant Reviewer: National Science Foundation, European Research Council, Leaky Foundation, National Geographic Society

Manuscript Reviewer: Nature, Science, Proceedings of the National Academy of Sciences, USA, Proceedings of the Royal Society B, American Journal of Human Genetics, Genome Biology and Evolution, American Journal of Physical Anthropology, Journal of Quaternary Science, PLoS One