

# **Edmond Seabright**

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## **Research Interests**

Evolutionary anthropology • Social anthropology • Demography • Evolution of social complexity • Leadership and Social Status • Health and Ageing • Kinship • Small scale societies • Statistics and Data science • Field research • South America • Morocco

## **Education**

University of New Mexico, Albuquerque, NM  
PhD Evolutionary Anthropology, May 2022  
University of New Mexico, Albuquerque, NM  
M.S. Evolutionary Anthropology, December 2018.  
University of Oxford, United Kingdom  
B.A. Hons, *1<sup>st</sup> class*, Human Sciences, 2013

## **Employment**

School of Collective Intelligence, Université Mohammed 6 Polytechnique, Ben Guerir, Morocco  
Research and Education Fellow, February 2022 – Present  
University of New Mexico, Albuquerque, NM  
Adjunct Assistant Professor (LAT), May 2022 – Present

## **Teaching and Research assistantships**

- Programming, Data Science, and Statistics II, SCI Masters course, Semester 2 2022
- Teaching Assistant. ANTH 160: “The Human Life Course.” UNM, Fall 2014; Spring 2015; Fall 2015
- Research Assistant, Dr. Siobhan Mattison: Spring 2016; Dr. Hillard Kaplan, Fall 2016, Spring 2017; Summer 2017, Fall 2019-Fall 2021

## **Honors and Awards**

- \$10,000 Santa Fe Institute, Dynamics of Networks and Inequality, for fieldwork on collaborative project in Bolivia, 2017
- \$8000 ISHE Owen Aldis Award, Spring 2017
- \$300 Anthropology Department Travel Grant, University of New Mexico, Summer 2016
- \$1500 LAII Field research grant, Summer 2015
- St Catherine’s College Exhibition, University of Oxford, 2012
- St Catherine’s College achievement award, University of Oxford, Spring 2011.

## **Publications**

- Kraft, T. S., Cummings, D., Venkatamaran, V., Alami, S., Beheim, B., Hooper, P., **Seabright, E.**, Stieglitz, J., Trumble, B., Kaplan, H., Endicott, K., Endicott, K., Gurven, M. (2022). Female cooperative labor networks in hunter-gatherers and horticulturalists. *Philosophical Transactions B*.
- Gatz, M., Mack, W.J., Chui, H.C., Law, E.M., Barisano, G., Sutherland, M.L., Sutherland, J.D., Eid Rodriguez, D., Quispe Gutierrez, R., Copajira Adrian, J., Bani Cuata, J., Borenstein, A.R., Walters, E.E., Irimia, A., Rowan, C.J., Wann, L.S., Allam, A.H., Thompson, R.C., Miyamoto, M.I., Michalik, D.E., Cummings, D.K., **Seabright, E.**, Garcia, A.R., Hooper, P.L., Kraft, T.S., Finch, C.E., Thomas, G.S., Stieglitz, J., Trumble, B.C., Gurven, M.D., Kaplan, H. (2022). Prevalence of dementia and mild cognitive impairment in indigenous Bolivian forager-horticulturalists. *Alzheimer's and Dementia*. <https://doi.org/10.1002/alz.12626>
- Irimia, A., Chaudhari, N.N., Robles, D.J., Rostowsky, K.A., Maher, A.S., Chowdhury, N.F., Calvillo, M., Ngo, V., Gatz, M., Mack, W.J., Law, E.M., Sutherland, M.L., Sutherland, J.D., Rowan, C.J., Wann, L.S., Allam, A.H., Thompson, R.C., Michalik, D.E., Cummings, D.K., **Seabright, E.**, Alami, S., Garcia, A.R., Hooper, P.L., Stieglitz, J., Trumble, B.C., Gurven, M.D., Thomas, G.S., Finch, C.E., Kaplan, H.(2021). The indigenous South American Tsimane exhibit relatively modest decrease in brain volume with age despite high systemic inflammation. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences* 76, 2147–2155. <https://doi.org/10.1093/gerona/glab138>
- Rowan, C., Eskander, M.A., **Seabright, E.**, Eid Rodriguez, D., Cortez Linares, E., Quispe Gutierrez, R., Copajira Adrian, J., Cummings, D.K., Beheim, B., Tolstrup, K., Achrekar, A., Kraft, T., Michalik, D.E., Miyamoto, M.I., Allam, A.H., Wann, L.S., Narula, J., Stieglitz, J., Trumble, B.C., Thompson, R.C., Kaplan, H., Gurven, M.(2021). Very low prevalence of atrial fibrillation among Bolivian forager-farmers. *Annals of Global Health* [10.5334/aogh.3252](https://doi.org/10.5334/aogh.3252)
- Alami, S., von Rueden C., **Seabright, E.**, Kraft, T., Blackwell, A.D., Stieglitz, J Kaplan, H., Gurven, M., (2020) Mother's social status is associated with child health in a horticulturalist population. *Proceedings of the Royal Society B*.
- Thompson, R.C., Trumble, B.C, Neunuebel, A., Mahadev, A., Wann, S., Rowan, C., Hassan Allam, A., Frohlich, B., **Seabright, E.**, Cummings, D, Stieglitz, J, Narula, J., King, S., Kennedy, K., Gurven, M., Thomas, G., Kaplan, H., (2020) Epicardial fat thickness and hepatic fat in a remote native population with very low rates of coronary calcium, *Journal of the American College of Cardiology*
- Gurven, M., Kraft, T., Alami, S., Copajira Adrian, J., Cortez Linares, E., Cummings, D., Eid Rodriguez, D, Hooper, P., Jaeggi, A., Quispe Gutierrez, R., Maldonado Suarez., I, **Seabright, E.**, Kaplan, H., Stieglitz, J., Trumble, B.C. (2020) Rapidly declining body temperature in a tropical human population. *Science Advances* 10.1126/sciadv.abc6599
- Mattison, S. M., **Seabright, E.**, Reynolds, A. Z., Cao, J. B., Brown, M. J., & Feldman, M. W. (2018). Adopted daughters and adopted daughters-in-law in Taiwan: a mortality analysis. *Royal Society Open Science*, 5(3), 171745.
- Trumble, B.C., Stieglitz, J., Jaeggi, A., Beheim, B., Schwartz, M., Cummings, D.K., **Seabright, E.**, Cummings, D., Kaplan, H., Gurven, M.D., (2018), Parental hormones are associated with crop loss and family sickness following catastrophic flooding in lowland Bolivia. *Physiology and Behavior*. ISSN 0031-9384

- **Seabright, E.**, Alami, S., Kraft, T.S., Davis, H.E., Caldwell, A.E., Hooper, P.L., McAllister, L., Mulville, S., Stieglitz, J., Veile, A., von Rueden, C., Gurven, M., Kaplan, H. (under review). Repercussions of post-marital residence on mothers' social support networks among Tsimane forager-farmers. *Philosophical Transactions B*.
- Kaplan, H., Hooper, P.L., Gatz, M., Mack, W.J., Law, E.M., Chui, H.C., Sutherland, L.M., Sutherland, J.D., Rowan, C.J., Wann, L.S., Allam, A.H., Thompson, R.C., Michalik, D.E., Lombardi, G., Miyamoto, M.I., Eid Rodriguez, D., Copajira Adrian, J., Quispe Gutierrez, R., Beheim, B.A., Cummings D.K., **Seabright, E.**, Alami, S., Garcia, A.R., Buetow, K., Thomas, G.S., Finch, C.E., Stieglitz, J., Trumble, B.C., Gurven, M.D., Irimia, A. (Under review). The embarrassment of riches theory of brain aging with hypothesis tests in two nonindustrial Native South American populations. *Proceedings of the National Academy of Sciences*.
- Schwartz, M., **Seabright, E.**, Durbano, J., Vani, A., Aboytes, D., Long, J., Trumble, B., Stieglitz, J., Beheim, B., Yetish, G., O'Donnell, A., Pisor, A., Gurven, M., Kaplan, H. (In Prep). The role of parity and sex in tooth loss in a natural fertility population with little access to dentistry.
- Trumble, B.C., Stieglitz, J., Thompson, R.C., Wann, L.S., Allam, A.H., Beheim, B., Frohlich, B., Sutherland, M.L., Sutherland, J.D., Eid Rodriguez, D., Michalik, D.E., Rowan, C.J., Lombardi, G.P., Bedi, R., Garcia, A.R., Cummings, D.K., **Seabright, E.**, Min, J.K., Narula, J., Finch, C.E., Gurven, M.D., Kaplan, H., Thomas, G.S., (In Prep). Testosterone is positively associated with coronary artery calcium in a low cardiovascular disease risk population.
- **Seabright, E.**, Hooper, P., von Rueden, C., Gurven, M. and Kaplan, H. The burden of leadership in Amazonian horticultural communities. (in prep).
- **Seabright, E.**, Hooper, P. Kaplan, H. A model of costly leadership (in prep).
- Alami, S., Kraft, T.S., **Seabright, E.**, Beheim, B., Hooper, P., Copajira Adrian, J., Cortez Linares, E., Eid Rodriguez, D., Quispe Gutierrez, R., Stieglitz, J., Trumble, B., Kaplan, H., Gurven, M. Abstract modeling and epidemiological reality of COVID-19 among Tsimane forager-farmers.
- Kraft, T.S., **Seabright, E.**, Alami, S., Beheim, B., Hooper, P., Copajira Adrian, J., Cortez Linares, E., Eid Rodriguez, D., Quispe Gutierrez, R., Stieglitz, J., Trumble, B., Kaplan, H., Gurven, M. (in prep) Infectious disease transmission dynamics in small-scale rural societies.
- **Seabright, E.**, Kraft, T.S., Alami, S., Koster, J., Power, E., Bowles, S., Gurven, M. Kaplan, H., (in prep) How social structure, networks and demography govern the dynamics of disease spread in a cross-cultural sample of small-scale-societies.

## Presentations:

2022 **Edmond Seabright**. The burdens of leadership: a game theoretical and empirical study. EHBEA Annual Meeting, 15 min talk (April 2022)

2021 **Edmond Seabright**, Sarah Alami, Thomas Kraft, Michael Gurven, Hillard Kaplan. How do post-marital residence patterns affect women's ability to mobilize social support among bilocal forager-farmers? AAPA Annual meeting. (April 9)

2021 Thomas Kraft, **Edmond Seabright**, Sarah Alami, The dynamics of COVID-19 spread in a small-scale society. Symposium on the impacts of COVID-19, Broom Center for Demography, UCSB

2019 **Edmond Seabright** Leadership as a social good: Insights from rural Bolivia. European Human Behaviour and Evolution Association (April 24)

2018 **Edmond Seabright**, Hillard Kaplan, Formal leadership and collective action in two horticulturalist populations in Bolivia. American Anthropological Association Annual meeting (November 24).

2017 **Edmond Seabright**. Incest: Inbreeding avoidance and lineage preservation as drivers of human marriage patterns. UCSB Guest Lecture (July. 20)

2016 **Seabright, Edmond.**, Siobhán M. Mattison, and Melissa Brown. Mortality in Taiwanese Child Brides. Society for Applied Anthropology Annual Meeting, Santa Fe, NM. (Apr. 1)

2016 **Seabright, Edmond**, Siobhán M. Mattison, and Melissa J. Brown. Mortality in Taiwanese child brides. American Anthropological Association Annual Meeting: Minneapolis, MN. (Nov. 16-20)

2016 Mattison, Siobhán M., **Edmond Seabright**, and Melissa J. Brown. Adoption and mortality in historical Taiwan, Evolutionary Demography Society Annual Meeting: Charlottesville, VA.

2015 **Edmond Seabright**, Dominance, Leadership, and Status in Human Evolution. UNM Guest Lecture.

## Posters

Gatz, M., Kaplan, H., Trumble, B. C., Thompson, R. C., Copajira Adrian, J. J., Sutherland, M. L., Sutherland, J.D., Chui, H., Eid Rodriguez, D., Quispe Gutierrez, R., Cummings, D.K., **Seabright, E.**, Lombardi, G.P., Michalik, D.E., Frohlich, B., Mack, W.J., Irimia, A., Highland, H.M., Justice, A.E., North, K.E., Thomas, G.S., Wann, L.S., Stieglitz, J., Gurven, M. & Finch, C. E., 2019 P3-134: APOE genotype and cognitive performance in Tsimane and Mosen of Bolivia, *Alzheimers Association International Conference*

Irimia, A., Kaplan, H., Trumble, B. C., Adrian, J. J. C., Maher, A. S., Rostowsky, K. A., Chowdhury, N., Sutherland, M.L., Sutherland, J.D., Allam, A.H., Eid Rodriguez, D., Cummings, D.K., Garcia, A., Rowan, C., Miyamoto, M., Alami, S., **Seabright, E.**, Barisano, G., Mack, W., Chang Chui, H., Stieglitz, J., Law, M., Gurven, M., & Finch, C. E. (2019). Using computed tomography to assess brain volumetrics in aging. *Alzheimer's and Dementia*, 15(7 Supp), P613-P614.

## **Workshops:**

2017 University of New Mexico: Gender in matrilineal kinship systems. (Organized and hosted. Co-hosts: Mary K. Shenk and Monique Borgerhoff Mulder)

2017 Santa Fe Institute (SFI): The Dynamics of Wealth Inequality and Social Network Structure. Santa Fe, NM. (Hosts: Jeremy Koster, Paul Hooper, Monique Borgerhoff Mulder, and Samuel Bowles)

2020 Santa Fe Institute (SFI): The Dynamics of Wealth Inequality and Social Network Structure, 1<sup>st</sup> Wave Meeting. Santa Fe, NM. (Hosts: Jeremy Koster, Paul Hooper, Monique Borgerhoff Mulder, and Samuel Bowles)

## **Outreach:**

2017 **Edmond Seabright**. What can we learn from small-scale societies? Presentation to Manzano High School Senior class.

## **Professional Service**

2017, Reviewer, American Journal of Human Biology

2017, Reviewer, Evolution and Human Behavior

## **Languages and computing skills**

French: native, Spanish: fluent, German: intermediate, Tsimane: beginner

Proficient in R; familiar with Stata, LaTeX, HTML/CSS, SPSS

## **Fieldwork and other experience**

- Supervisor of Tsimane Health and life History Project (THLHP) data collection in Bolivia, 2016-Present
- Co-Manager of THLHP data, 2016-Present
- Data collection for Doctoral dissertation in La Paz and Beni departments, Bolivia, October 2017 – February 2018, April -September 2018, November 2019
- Pilot study with Mosen horticulturalists in Alto Beni, Bolivia, June-August 2016
- Behavioral and anthropometric data collection with the Tsimane, Department of Beni, Bolivia, June-August 2015
- Fieldwork, behavioral data collection at Lomas Barbudal monkey project, Guanacaste, Costa Rica, October 2013-April 2014.