

# Nicole Thompson González, Ph.D.

She/Her. Phone: +1 347 406 3283, Email: [gavago@gmail.com](mailto:gavago@gmail.com), Goleta, CA 93117

Twitter: @NicoleAlineSci, website: <http://www.nicolethompsongonzalez.com/>

Position	University	Field	Year
Assistant Professor	University California Santa Barbara	Integrated Anthropological Sciences	2022-present
Laboratory Manager	University California Santa Barbara	Integrated Anthropological Sciences	2021-2022
Post-doctoral fellow	University of New Mexico	School of Medicine & Biological Anthropology <i>Project: Oxidative stress and social aging in wild chimpanzees</i>	2018 – 2021
Degree			
Ph.D.	Columbia University, New York, NY	Ecology and Evolution <i>Dissertation: Social ties over the life cycle in blue monkeys</i>	2018
M.Res.	University of Roehampton, London, UK	Primate Behavior and Biology <i>Thesis: Social integration and stress in juvenile olive baboons.</i>	2012
B.A.	Columbia University, New York, NY	Evolutionary Anthropology <i>Thesis: The co-evolution of human language and morality.</i>	2008

## Peer-reviewed publications

### 2023

*Invited and In preparation. Thompson Gonzalez, N., Machanda, Z., Emery Thompson, M. Age-related social selectivity. *Neuroscience and Biobehavioral Reviews*.*

*In prep. Thompson Gonzalez, N., Ong, J., Luo, L., Mackenzie, D. Environmental metal exposures associate with cytokine levels in pregnant Navajo women.*

### 2022

*In press. Fox, S. A., Muller, M. N., Thompson González, N., Enigk, D.K., Machanda, Z. P., Otali, E., Wrangham, R., Emery Thompson, M. Weak, but not strong, ties support coalition formation among wild female chimpanzees. *Phil Trans B*.*

Frogge, H., Jones, R. A., Angedakin, S., Busobozi, R., Kabagambe, P., Angwela, F. O., González, N. T., & Brown, M. (2022). Constraints on population growth of blue monkeys (*Cercopithecus mitis*) in Kibale National Park, Uganda. *Behaviour*, 1, 1–27. <https://doi.org/10.1163/1568539X-bja10160>

### 2021

**Thompson González, N.**, Machanda, Z., Enigk, D.K., Otali, E., Muller, M.N., Wrangham, R., and Thompson, M.E. Age-related change in adult chimpanzee social integration. *Evolution, Medicine, and Public Health*. <https://doi.org/10.1093/emph/eoab040>

Rudd, L. F., Allred, S., Bright Ross, J. G., ,... **Thompson González, N.**, ... & Dávalos, A. (2021). Overcoming racism in the twin spheres of conservation science and practice. *Proceedings of the Royal Society B*, 288(1962), 20211871.

## 2020

**Thompson González, N.**, Otali, E., Machanda, Z., Muller, M.N., Wrangham, R., and Thompson, M.E.. 2020. Urinary Markers of Oxidative Stress Respond to Infection and Late-Life in Wild Chimpanzees. *PLOS ONE* 15, no. 9: e0238066. <https://doi.org/10.1371/journal.pone.0238066>.

Thompson, M.E., Machanda, Z.P., Fox, S.A., Sabbi, K.H., Otali, E., **González, N.T.**, Muller, M.N., and Wrangham, R.W.. 2020. Evaluating the Impact of Physical Frailty during Ageing in Wild Chimpanzees (*Pan Troglodytes Schweinfurthii*). *Philosophical Transactions of the Royal Society B: Biological Sciences* 375, no. 1811: 20190607. <https://doi.org/10.1098/rstb.2019.0607>.

**Thompson, N.A.**, Higham, J.P., Heistermann, M., Vogel, E., Cords, M., 2020. Energy balance but not competitive environment corresponds with allostatic load during development in an Old World monkey. *Horm. Behav.* 119, 104664. [10.1016/j.yhbeh.2019.104664](https://doi.org/10.1016/j.yhbeh.2019.104664)

## 2019

**Thompson, N.A.**, Cords, M., 2019. Early life maternal sociality predicts juvenile sociality in blue monkeys. *American Journal of Primatology*, 0(0), e23039. doi: 10.1002/ajp.23039

**Thompson, N.A.**, 2019. Understanding the links between social ties and fitness over the life cycle in primates. *Behaviour*, 1(aop), 1-50. doi: <https://doi-org.libproxy.unm.edu/10.1163/1568539X-00003552>

## 2018

DeCasien, A.R., **Thompson, N.A.**, Williams, S.A., Shattuck, M.R., 2018. Encephalization and longevity evolved in a correlated fashion in Euarchontoglires but not in other mammals. *Evolution* 72, 2617-2631. doi:10.1111/evo.13633

**Thompson, N.A.**, & Cords, M. 2018. Stronger social bonds do not always predict greater longevity in a gregarious primate. *Ecology and Evolution*. doi: DOI:10.1002/ece3.3781

## 2013

Higham J.P., Amann A.L., Bryer M.A., **Thompson N.A.**, and Winters S. 2013. Book review of: John C. Mitani, Josep Call, Peter M. Kappeler, Ryne A. Palombit, Joan B. Silk (eds): *The Evolution of Primate Societies*. *International Journal of Primatology* 34(6):1298-1303. doi: 10.1007/s10764-013-9731-7

Franks B, Reiss D, Cole P, Friedrich V, **Thompson N**, and Higgins ET. 2013. Predicting How Individuals Approach Enrichment: Regulatory Focus in Cotton-Top Tamarins (*Saguinus oedipus*). *Zoo biology* 32(4):427-435. doi: 10.1002/zoo.21075

## Book chapters, Published Abstracts, and Invited Commentary

---

**González, N.T.** Data Analysis for Social Justice in a Native Classroom. RStudio Education Blog, June 22,

2020. <https://education.rstudio.com/blog/2020/06/native-classroom/>. (invited blog)

Cords, M., **Thompson, N.A.** 2017. Friendships, coalitions, and alliances. Chapter in: *American Psychological Association Handbook of Comparative Psychology*, Call, J., Burghardt, G.M., Pepperberg, I., Snowdon, C. & Zentall, T. eds (pp. 899-914). American Psychological Association.

**Thompson, N.A.**, Otali, E., Machanda, Z., Muller, M., Wrangham, R., & Thompson, M. E. 2020. Urinary markers of oxidative stress respond to infection and aging in wild chimpanzees. In *AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY* (Vol. 171, pp. 283-283).

**Thompson, N.A.**, Otali E., Machanda Z., Muller M.N., Wrangham R., and Thompson, M.E. 2019. Urinary Markers of Oxidative Stress Correspond to Infection and Aging in Wild Chimpanzees. *Innovation in Aging* 3, no. Suppl 1 (November 8, 2019): S896. <https://doi.org/10.1093/geroni/igz038.3275>.

**Thompson, N.A.**, Cords, M. 2014. Social influences on Longevity in Blue Monkeys. *American Journal of Physical Anthropology* 58:253-253.

### Invited Talks

---

2022

- “Using primate models to determine the influence of hierarchy on health and aging.” Talk for the Aging, Race and Health Disparities workshop, Research Centers Collaborative Network, National Institute on Aging.
- Yale Reproductive Ecology Lab guest speaker on oxidative stress

2021

- AAA Baltimore 2021 “Living in Groups” symposium. Talk title: “Juvenile social preferences in a dynamic environment.”
- UC Santa Barbara “Biomarkers in the Social Sciences” Broom Center for Demography seminar talk
- University of Illinois Chicago guest lecture for Dr. Kathrine Starkweather’s course on Anthropology of Women
- The Leakey Foundation: Lunch Break Science #25 [https://youtu.be/ft\\_G6als4MI](https://youtu.be/ft_G6als4MI)

2020

- U Michigan guest lecture for Dr. Stacy Rosenbaum’s Hormones and Behavior course

2019

- UC Davis Animal Behavior Graduate Group special seminar
- Central New Mexico community college outreach STEMinar
- UNM Biology department seminar

Previous

- Emeritus Professors in Columbia (EPIC). 2018.
- Yale University Brown Beer talk in Anthropology. 2017.

### Research and Work Experience

---

**Biobehavioral Health Laboratory Manager**, Integrative Anthropological Sciences division of Department of Anthropology, University of California Santa Barbara. September 2021 – July 2022.

**NIH IRACDA Post-Doctoral Fellow**, Department of Anthropology at University of New Mexico, Albuquerque, NM. July 2018 – August 2021.

Leading project to examine relationship between long and short-term social environments and health in aging chimpanzees. Validating measures of oxidative stress in wild chimpanzees.

**Dean's and NSF IGERT Fellow**, Department of Ecology, Evolution & Environmental Biology at Columbia University, New York, NY. 2012 – 2017.

Doctoral thesis on the fitness benefits of social integration over the lifespan in blue monkeys. Fieldwork, leading team of four assistants in Kakamega Forest, Kenya. Laboratory work (RIAs, ELISAs, Colorimetric) at Rutgers University, the German Primate Center, and NYU.

**Vice Chancellor's Scholar**, Center for Research in Evolutionary Anthropology, Roehampton University, London, UK. 2010 – 2011.

Master's thesis on social development and social influences on stress biology in forest dwelling baboons. Fieldwork in Gashaka Gumti National Park, Nigeria. Laboratory work (ELISA) at Roehampton University, UK.

**Field research assistant**, Macaca Nigra Project, Sulawesi, Indonesia. Run by Max Planck Institute and German Primate Center. 2009 – 2010.

Field data collection of infant social behavior and paternal care. Presentations to academic and lay public. Research assistant training.

**Fundraising field manager**, New York Public Interest Research Group, New York, NY. 2008.

Communication with major donors. Strategic planning for fundraising. Fundraiser training.

**Laboratory research assistant**, Terrace Animal Cognition Lab, Columbia University Department of Psychology, New York Psychiatric Institute. 2007 – 2008.

Analysis of behavioral data from cognitive experiments. Management of laboratory logistics.

**Data collection assistant**, Columbia University Department of Psychology and Brooklyn Zoo. 2006 – 2007.

Data collection on captive cotton-top tamarin personality. Experiment set up.

## Teaching Experience

---

Head instructor:

- UCSB ANTH 197 Biomarkers, Behavior, and Laboratory Methods.
- UCSB ANTH 123 Introduction to data analysis for the social sciences with R.
- *Data Days* at UNM CURE 2019 & 2020. Course on data literacy and visualization for Native American students at University of New Mexico's summer program in cancer research. Lectures and group activities using RStudio Cloud for exploration and visualization of biomedical data. Website: <http://www.nicolethompsongonzalez.com/unp-2020.html>
- *The Behavioral Biology of the Living Primates*. Semester long course, Spring 2018, Columbia University. Lectured twice weekly to class of 30 students. Managed and trained 2 teaching assistants. Wrote multiple exams and assignments. Oversaw grading and led field trips.

Workshops:

- "Using Ggplot2 to produce high quality figures in R." Invited workshop for UNM biology advanced R seminar 9/10/19.
- *Data Days* at SIPI BRIDGE 2019. 2 full-day workshop on exploratory data analysis for Native American high school students transitioning to college at the Southwestern Indian Polytechnic Institute (SIPI). Lecture, exercises, and team projects using RStudio for exploration and visualization of data sets related to social justice.

Teaching assistant:

- *Environmental Biology I*. Fall 2014, Columbia University. Lead Instructors: Shahid Naeem and Dustin Rubenstein. Created and gave lecture on the function and evolution of the nervous system. Wrote one fourth of all exams. Graded exams and led discussion section.

- *The Behavioral Biology of the Living Primates*. Spring 2014, Columbia University. Lead Instructor: Marina Cords. Created and gave lecture on the function and evolution of the juvenile period in primates. Graded exams and led discussion sections.
- *Human Species: Its place in nature*. Fall 2013, Columbia University. Lead Instructor: Jill Shapiro. As head TA, ran discussion sections, delegated grading among TAs and trained TAs for several labs.

---

### Teacher & mentor training

- “Difficult Discussions”— attended workshop on 4/15/19 at UNM dealing with Title IX and VII-sensitive issues in the classroom.
  - “Culturally sensitive and inclusive teaching” – organized afternoon workshop for fellow IRACDA post-docs at UNM, held on 2/20/19 and led by Kim Fournier from UNM Center for Teaching Excellence. Practiced developing perspective and exercises to achieve maximum student engagement.
  - “Inclusion by Design” – attended 2-day workshop on 1/7–8/19 held by the Center for Teaching Excellence at UNM on designing inclusive courses and syllabi.
  - “Inclusive teaching”—attended workshop on 11/5/18 held by the Center for Teaching Excellence at UNM on designing inclusive on developing active learning exercises for a diverse classroom.
- 

### Professional Services

Peer reviewer:

- 2x NSF SBE/BCS Doctoral dissertation improvement grant panelist
- NSF Biological Anthropology Directorate
- Leakey Foundation student research grants
- Royal Society Open Science – 2020
- Philosophical Transactions of the Royal Society, Spring 2020 – Present
- Proceedings of the Royal Society Biological Sciences, Fall 2019 – Present
- Stress, Summer 2019 – Present
- Frontiers, Summer 2019 – Present
- Physiology & Behavior, Spring 2019 – Present
- American Journal of Primatology, Spring 2019 – Present
- Ethology, Spring 2019 – Present
- Folia Primatologica, Spring 2019 – Present
- Hormones & Behavior, Spring 2018 – Present
- Behavioral Ecology, Spring 2018 – Present
- International Journal of Primatology, Spring 2017 – Present
- Animal Behaviour, Fall 2017 – Present
- Animal Behavior Society student research grants, 2017

Organizer of weekly journal club attended by students and faculty of the Evolutionary Anthropology subfield at UNM, Fall 2019 – Summer 2021.

Reader for Master Thesis at City University New York Hunter, 2019

Judge for graduate student poster competition of Biomedical Sciences Graduate Student Society at UNM, Spring 2019.

---

### Grants awarded

2020 NIA Bruce McEwen Career Development Fellowship	<b>\$6,000</b>
2019 RStudio Conference Diversity Scholar	<b>\$3,000</b>
2016 Louis Leakey Foundation (student research grant)	<b>\$14,856</b>
2016 Animal Behavior Society (student research grant)	<b>\$1,000</b>

2016 American Society of Primatologists (student research grant)

\$1,500

### Honors and Awards

---

- Northeastern Evolutionary Primatology Group, Best student podium presentation (runner-up) 2016
- International Primatological Society/American Society of Primatologists Annual Conference, Student Presentation Award (Finalist), 2016
- Dean's Fellowship, Columbia University, 2012
- NSF IGERT Fellowship, New York Consortium in Evolutionary Primatology, 2012
- Vice Chancellor's Scholarship, Roehampton University, 2010
- Most Outstanding Bachelor's Thesis, Columbia University E3B Department, 2008

### Languages and Proficiencies

---

Spanish (proficient). Statistical programming in R (advanced).

### Leadership and Outreach

---

**Co-founder.** Swift Advocacy for Viable Environments (SAVE), Kenya. Educational outreach. 2013 – Pres.

**Instructor.** Girls Science Day and Saturday Science Starters at Columbia University. Fall 2013, 2016, Spring 2014.

**Instructor.** Grant proposal writing workshop for Muleshi Food Security Women's Group, Isecheno, Kenya. Jan 9, 2016.

**Curriculum and volunteer coordinator.** Children's Education, C3 Manhattan. 2013 – 2015 (2 yrs).

**Volunteer data scientist.** Enhancing donor outreach with clustering models for NOMI Network. Nov 2017 – Spring 2018.