

TARA M. MANDALAYWALA

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POSITIONS HELD

Assistant Professor 2018 - present
Department of Psychological and Brain Sciences, University of Massachusetts Amherst

Postdoctoral fellow 2014-2018
Department of Psychology, New York University

EDUCATION

Ph.D. in Comparative Human Development 2014
The University of Chicago

M.A. in Comparative Human Development 2010
The University of Chicago

A.B. with distinction in Biological Anthropology and Anatomy 2008
Duke University

RESEARCH INTERESTS

I explore the development of social cognition across human and nonhuman primates, using methods from developmental and social psychology, behavioral endocrinology, and behavioral ecology. I am interested in understanding how the environment that an individual grows up in shapes their perceptions, beliefs, and biases about the world around them, and how these perceptions, beliefs, and biases go on to shape how individuals interact with and react to the environment they live in. The goal of this research is to better understand how early emerging aspects of cognition and perception help an individual thrive (or falter) in their particular environment.

FELLOWSHIPS AND HONORS

Family Research Scholar, Center for Research on Families, UMass Amherst 2020-2021

Postdoctoral grant funding, Research supplement to promote diversity in health-related research, NICHD/NIH (\$217,154) 2017-2018

NYU Postdoctoral and Transition Program for Academic Diversity fellowship (\$129,000) 2014-2016

Institute for Mind and Biology fellow (\$1000/year) 2009-2014

Bernice Neugarten lectureship award, Dept. of Comparative Human Development (\$5000) 2013-2014

National Science Foundation GRFP, Predoctoral fellow in Biopsychology (\$243,252) 2009-2012

University of Chicago Graduate fellowship, Dept. of Comparative Human Development Division of the Social Sciences (\$355,620) 2008-2013

Social, Behavioral, and Economic Sciences fellowship, NSF (\$1000) 2008-2009

CURRENT AND PENDING RESEARCH FUNDING

Interdisciplinary Faculty Research Award, UMass, Co-Investigator (\$39,994) 2020-2021
Social touch interventions to reduce stress, anxiety and depression in young adult women

William T. Grant Scholars Award, PI (\$338,911) submitted July 2020
Reducing Income-Based Inequalities in Health by Targeting the Development of Lay Theories about Social Mobility

Developmental Sciences, National Science Foundation, PI (\$542,000) revising for January 2021
Do you see what I see? How cognitive processes and environmental input shape the development of racial stereotypes about wealth

PAST RESEARCH FUNDING

University Research Challenge Fund, New York University, co-investigator (\$12,000) 2016-2017
“Effects of racial group membership on the development of essentialist beliefs and stress reactivity”
Cognitive Development Society travel grant (\$500) 2015, 2017
International Society for Behavioral Ecology travel grant (\$750) 2014
Rynerson research grant, Dept. of Comparative Human Development (\$3700) 2012-2013
Social, Behavioral, and Economic Sciences research grant (\$4000) 2012-2013
International Primatological Society research grant (\$1500) 2012-2013
Hinds Fund research grant, Committee on Evolutionary Biology (\$1300) 2011-2012
Rynerson research grant, Dept. of Comparative Human Development (\$4500) 2010-2011

PUBLICATIONS

*Indicates current/former undergraduate student under my supervision

Published articles

Higham, J.P., Kimock, C.M., **Mandalaywala, T.M.**, Heistermann, M., Cascio, J., Petersdorf, M., Winters, S., Allen, W.L., & Dubuc, C. (in press). Female ornamentation: Is red skin coloration attractive to males and related to condition in female rhesus macaques? *Behavioral Ecology*.

Mandalaywala, T.M., *Tai, C., & Rhodes, M. (2020). Children's use of race and gender as cues to social status. *PLoS ONE*.

Mandalaywala, T.M. (2020). Does racial essentialism lead to prejudice? It's not so black and white. In M. Rhodes (Ed.), *The Development and Consequences of Social Essentialism. Advances in Child Development and Behavior*.

Lee, S.D., **Mandalaywala, T.M.**, Dubuc, C., Widdig, A., & Higham, J.P. (2020). Higher early life mortality with lower infant body mass in a free-ranging primate. *Journal of Animal Ecology*.

Mandalaywala, T.M., *Ranger-Murdock, G., Amodio, D.M. & Rhodes, M. (2019). The nature and consequences of essentialist beliefs about race in early childhood. *Child Development*, e437-e453. doi: 10.1111/cdev.13008

Madrid, J. E., **Mandalaywala, T.M.**, Coyne, S.P., Garner, J.P., Barr, C.S., Maestripieri, D., & Parker, K. J. (2018). Adaptive developmental plasticity in rhesus macaques: 5-HTTLPR interacts with early maternal care to affect juvenile social behavior. *Proceedings of the Royal Society B*.

- Mandalaywala, T.M.**, Petrullo, L.A., Maestripieri, D., Parker, K.J., & Higham, J.P. (2017). Vigilance for threat accounts for inter-individual variation in physiological responses to adversity in rhesus macaques: A Cognition x Environment approach. *Developmental Psychobiology*, 59, 1031-1038. doi: 10.1002/dev.21572
- Mandalaywala, T.M.**, Amodio, D.M. & Rhodes, M. (2017). Essentialism leads to racial prejudice by increasing acceptance of the status quo. *Social Psychological and Personality Science*. doi: 10.1177/1948550617707020
- Rhodes, M. & **Mandalaywala, T.M.** (2017). The development and developmental consequences of social essentialism. *WIREs Cognitive Science*. doi: 10.1002/wcs.1437
- Petrullo, L.A., **Mandalaywala, T.M.**, Maestripieri, D., Parker, K.J. & Higham, J.P. (2016). Effects of early life experience on salivary cortisol/alpha-amylase symmetry in free-ranging juvenile rhesus monkeys. *Hormones and Behavior*, 86, 78-84.
- Mandalaywala, T.M.** & Rhodes, M. (2016). Racial essentialism is associated with prejudice towards Blacks in 5- and 6-year-old White children. *Proceedings of the 38th Annual Conference of the Cognitive Science Society*.
- Georgiev, A.V., Emery Thompson, M., **Mandalaywala, T.M.** & Maestripieri, D. (2015). Oxidative stress as an indicator of the costs of reproduction among free-ranging rhesus macaques. *Journal of Experimental Biology*. doi:10.1242/jeb.121947
- Mandalaywala, T.M.**, Parker, K.J. & Maestripieri, D. (2014). Early experience affects the strength of vigilance for threat in rhesus monkey infants. *Psychological Science*, 25: 1893-1902.
- Mandalaywala, T.M.**, Higham, J.P., Heistermann, M., Parker, K.J. & Maestripieri, D. (2014). Physiological and behavioural responses to weaning conflict in free-ranging primate infants. *Animal Behaviour*, 97: 241-247.
- Maclean, E.L., **Mandalaywala, T.M.** & Brannon, E.M. (2012). Variance-sensitive choice in lemurs: constancy trumps quantity. *Animal Cognition*, 15:15-25.
- Mandalaywala, T.M.**, Higham, J.P., Heistermann, M. & Maestripieri, D. (2011). Infant bystanders modulate the influence of ovarian hormones on female socio-sexual behaviour in free-ranging rhesus macaques. *Behaviour*, 148: 1137-1155.
- Higham, J.P., Barr, C.S., Hoffman, C.L., **Mandalaywala, T.M.**, Parker, K.J. & Maestripieri, D. (2011). Mu-opioid receptor (OPRM1) variation, oxytocin levels and maternal attachment in free-ranging rhesus macaques. *Behavioral Neuroscience*, 152: 131-136.

Book chapters

- Mandalaywala, T.M.** (2019). Emergence of social reasoning about hierarchies. In the *Encyclopedia of Evolutionary Psychological Science*.
- Mandalaywala, T. M.**, Fleener, C. E. & Maestripieri, D. (2015). Intelligence in nonhuman primates. In S. Goldstein & J. Naglieri (Eds.), *Handbook of Intelligence: Evolutionary Theory, Historical Perspective, and Current Concepts* (27-46). New York: Springer Books.

Manuscripts currently in preparation or under review

- Power, S.A., **Mandalaywala, T.M.**, & Kay, A.C. (revise and resubmit). A multi-method investigation of perceptions of (un)just systems: Tests of rationalization in the context of Irish austerity measures. *Peace & Conflict: Journal of Peace Psychology*
- Mandalaywala, T.M.**, Gonzalez, G. & Tropp, L.R. (revise and resubmit). How intergroup contact and exposure predict anti-Asian prejudice in the United States during the COVID-19 pandemic.
- Mandalaywala, T.M.**, & Alto, A. (in prep). The development of children's wealth concepts.
- Mermin-Bunnell, N., Marshall, J., Gollwitzer, A., & **Mandalaywala, T. M.** (in prep). The development of children's status beliefs about race in rural Uganda.
- Mandalaywala, T. M.**, Benitez, J., Sagar, K., & Rhodes, M. (in prep). What doesn't predict pro-White bias in resource allocation?

CONFERENCE PRESENTATIONS

- Mandalaywala, T.M.** (2021). Title TBD. In M. Koenig (Chair), *Taking Trust Seriously: Sources of Vulnerability in Social Learning*. Plenary Symposium conducted at the biennial meeting of the Cognitive Development Society, Madison, WI.
- Mandalaywala, T.M.** (2020). Children's Representations of Race and Wealth in their Communities. In L. Elenbaas & R.S. Mistry (Chairs), *Constructing & Deconstructing Inequality: Group, Family & Neighborhood Factors Inform Children's Thinking about Economic "Others"*. Symposium conducted at the Society for Research in Child Development Special Topic Meeting: Construction of the 'Other': Development, Consequences, and Applied Implications of Prejudice and Discrimination, Rio Grande, Puerto Rico.
- Mandalaywala, T.M.**, & Rhodes M. (2019). It's the economy, stupid: Economic characteristics of children's neighborhoods predict race-status covariance. In X. Yang (Chair), *Children's understanding of social hierarchies and interventions to reduce status prejudice*. Symposium conducted at the biennial meeting of the Cognitive Development Society, Louisville, KY.
- Mermin-Bunnell, N., Marshall, J., Gollwitzer, A., & **Mandalaywala, T. M.** (2019). The development of children's status beliefs about race in rural Uganda. Cognitive Development Society, Louisville, KY.
- Benitez, J., **Mandalaywala, T. M.**, & Rhodes, M. (2019). What predicts pro-White bias in resource allocation? Cognitive Development Society, Louisville, KY.
- Mandalaywala, T.M.**, *Robinson, F., Seixas, A.A., & Rhodes M. (2019). Essentialism buffers Black Americans from social identity threat in a health domain. In D. Wu & N. Dasgupta (Chairs), *Social Identity Threat across the Lifespan: Novel Methods and Populations*. Symposium conducted at the meeting of the Association for Psychological Science, Washington D.C.
- Mandalaywala, T.M.**, Lei, R., Benitez, J., Leslie, S.J., & Rhodes M. (2019). Do children view social status in essentialist terms? In S. Gulgoz (Chair), *New directions in social essentialism research*. Symposium conducted at the meeting of the Society for Research in Child Development, Baltimore, MD.

- Mandalaywala, T.M.,** *Sagar, K., & Rhodes M. (2019). Race-based resource allocations in children. In M. Rizzo & N. Chernyak (Chairs), *Active and Reactive Roles in Allocation Contexts: Infants' and Children's Social Preferences, Biases, and Reciprocity*. Symposium conducted at the meeting of the Society for Research in Child Development, Baltimore, MD.
- Mandalaywala, T.M.,** *Ranger-Murdock, G., Amodio, D.M., & Rhodes M. (2019). Racial essentialism does not inevitably lead to prejudice: evidence from across development. In N. Betz & J.D. Coley (Chairs), *Questioning assumptions of social essentialism*. Symposium conducted at the meeting of International Convention of Psychological Science, Paris, France.
- Mandalaywala, T.M.,** & Rhodes, M. (2017). *Gender stereotypes about leadership develop early in childhood*. Cognitive Development Society, Portland, OR.
- *Tai, C., **Mandalaywala, T.M.,** & Rhodes, M. (2017). Egalitarian beliefs affect the expression of stereotypes about social status in older (but not younger) children. Cognitive Development Society, Portland, OR.
- Mandalaywala, T.M.** & Rhodes, M. (2017). Essentialist beliefs about race in early childhood. Biennial meeting of the Society for Research in Child Development, Austin, TX.
- Mandalaywala, T.M.,** *Tai, C., & Rhodes, M. (2017). Children use social group membership to attribute social status to others. In **T.M. Mandalaywala** & M. Rhodes (Chairs), *The development and consequences of status representations*. Symposium conducted at the biennial meeting of the Society for Research in Child Development, Austin, TX.
- Mandalaywala, T.M.,** Petrullo, L.A., Maestripereri, D. & Higham, J.P. (2016). Vigilance for threat in infancy modifies effects of early life adversity on cortisol/salivary alpha-amylase asymmetry in juvenile rhesus macaques. Joint meeting of the International Primatological Society and the American Society of Primatologists. Chicago, IL.
- *Ranger-Murdock, G., **Mandalaywala, T.M.,** & Rhodes, M. (2016). Racial essentialism predicts racial prejudice towards blacks in 5 and 6 year old children. Eastern Psychological Association Meeting, New York City, NY.
→ *G. Ranger-Murdock awarded Psi Chi Eastern Regional Research Award*
- Mandalaywala, T.M.,** Amodio, D.M., & Rhodes, M. (2015). How does psychological essentialism affect the development of social preferences? Cognitive Development Society, Columbus, OH.
- Mandalaywala, T.M.,** Amodio, D.M., & Rhodes, M. (2015). Relationships between social essentialism and racial prejudice among White and Black American adults. Association for Psychological Science, New York, NY.
- Mandalaywala, T.M.,** Amodio, D.M., & Rhodes, M. (2015). Relationships between essentialism and racial prejudice in American adults. NYU Postdoctoral Interdisciplinary Symposium, New York, NY.
- Petrullo, L.A., **Mandalaywala, T.M.,** Maestripereri, D., Parker, K.J., & Higham, J.P. (2015). Effects of early life experience on cortisol/salivary alpha-amylase asymmetry in free-ranging juvenile rhesus monkeys. American Association for Physical Anthropology, St. Louis, MO.

- Madrid, J., **Mandalaywala, T.M.**, Coyne, S.P., Hyde, S., Granger, J., Maestripieri, D., & Parker, K.J. (2014). Variation in early maternal rejection produces differences in the biology of free-ranging infant rhesus macaques (*Macaca mulatta*). Society for Neuroscience, Washington D.C.
- Madrid, J., **Mandalaywala, T.M.**, Coyne, S.P., Granger, J., Barr, C.S., Maestripieri, D., & Parker, K.J. (2014). Serotonin transporter and maternal care: a sex-specific GxE effect on juvenile social play in rhesus. Animal Behavior Society, Princeton, NJ.
- Mandalaywala, T.M.**, Coyne, S.P., Dubuc, C., Parker, K.J., Maestripieri, D., & Higham, J.P. (2014). Effects of maternal body condition on parent-offspring conflict in free-ranging rhesus macaques (*Macaca mulatta*) on Cayo Santiago, Puerto Rico. International Society for Behavioral Ecology, New York, NY.
- Coyne, S.P., **Mandalaywala, T.M.**, Parker, K.J., & Maestripieri, D. (2014). Juvenile Body Condition Affects Rates of Play Behavior in Rhesus Macaques (*Macaca mulatta*) of Cayo Santiago. International Society for Behavioral Ecology, New York, NY.
- Mandalaywala, T. M.**, Higham, J.P., Heistermann, M., & Maestripieri, D. (2013) Social and developmental factors affect fecal glucocorticoid levels across the first year of life in infant rhesus macaques (*Macaca mulatta*). International Society for Wildlife Endocrinology, Chicago, IL.
- Mandalaywala, T.M.**, Bethell, E. J., Parker, K.J., & Maestripieri, D. (2013). Negativity bias in free-ranging infant rhesus macaques (*Macaca mulatta*) on Cayo Santiago, Puerto Rico. American Society of Primatologists, San Juan, Puerto Rico.
- Mandalaywala, T.M.**, MacLean, E.L., & Brannon, E.M. (2011). Risk Aversion in Lemurs. Animal Behavior Society, Bloomington, IN.
- Mandalaywala, T.M.**, Higham, J. P., Heistermann, M., & Maestripieri, D. (2010). Relationships between reproductive hormones and female behavior in rhesus macaques on Cayo Santiago. International Primatological Society, Kyoto, Japan.
- Mandalaywala, T.M.** (2010). Behavioral endocrinology of reproduction in female rhesus macaques on Cayo Santiago, Puerto Rico. Comparative Human Development Trial Research Conference, Chicago, IL.

INVITED TALKS

Massachusetts Institute of Technology, Saxe Lab	2020
Haverford College, Psychology Department Colloquium	2020
University of Connecticut, Developmental Brown Bag Series	2020 (rescheduled due to COVID-19)
University of Maryland College Park, Developmental Science Colloquium	2019
Northeastern University, CORE Lab	2018
Yale University, Developmental Psychology Current Works Series	2018
Columbia University, Columbia Social and Moral Cognition Lab	2018
University of Massachusetts Amherst, Dept. of Psychological and Brain Sciences	2017
University of California, Davis, Dept. of Human Ecology	2016
New York University, The West Lab	2016
The University of Chicago, Institute for Mind and Biology	2014
The University of Chicago, Developmental Psychology Brown Bag	2013
Cayo Santiago Journal Club, Cayo Santiago, PR	2013
German Primate Center, Reproductive Biology Unit	2012
The University of Chicago, Institute for Mind and Biology	2008; 2010; 2012

TEACHING EXPERIENCE

Course Instructor (at UMass Amherst unless otherwise noted)

Faculty supervisor, PSYCH 491AD – “Advancing Diversity: Research and Perspectives”	2019-2020
Instructor, PSYCH 350H – “Developmental Psychology – Honors section”	2019, 2020
Instructor, PSYCH 391 – “Seminar in Comparative Cognitive Development”	2018, 2019
Instructor: “Supervised Reading: Intergroup Cognition and Health” (NYU)	2015
Instructor: “Comparative Cognitive Development” (U of Chicago)	2013-2014

Other Teaching Experience

Honors students mentor (NYU Depts. of Psychology and Global Public Health)	2015- 2018
Guest Lecturer: “Cognitive Development”	2016, 2018
Guest Lecturer: “Introduction to Psychology” (NYU)	2015
Guest Lecturer: New York Consortium in Evolutionary Primatology (NYCEP)	2014, 2016, 2017
Introductory course	
Guest Lecturer: “Primate Behavior” (NYU)	2014, 2017
Teaching Assistant: “Primate Evolution” (U of Chicago)	2010
Teaching Assistant: “Primate Behavior and Ecology” (U of Chicago)	2008, 2009, 2010

DIVERSITY AND COMMUNITY OUTREACH

Co-chair, “Promoting Diversity in Cognitive Developmental Science”, Cognitive Development Society, Madison, WI (2021), TBD (2023)	2021-2023
Science Ambassador Scholarship Board, Cards Against Humanity	2019, 2020
Co-facilitator, “Promoting Diversity in Cognitive Developmental Science”, Cognitive Development Society, Portland, OR (2017), Louisville, KY (2019)	2017, 2019
Speaker, “Careers in Human Biology”, Hunter College - CUNY	2017
Contributor, “Breaking Through!: Helping Girls Succeed in Science, Technology, Engineering, and Math”	2016
Judge, Teptu High School Science Research Competition Finals, New York, NY	2016

Career advisor, Career, College & Community-Building Day, Sunset Park High School, Brooklyn, NY	2016
Mentor, 1000 Girls, 1000 Futures, New York Academy of Sciences	2015
Visiting Scientist, PS 154, New York, NY	2015
Speaker, H2O Productions: Toxic Stress conference, New York University, New York, NY	2015
Speaker, Research Apprenticeship Program, Lincoln Park Zoo, Chicago, IL	2013
Volunteer, Science Achievers Program, Museum of Science and Industry, Chicago, IL	2010

ACADEMIC SERVICE AND AFFILIATIONS

Editorial Board, Journal of Experimental Child Psychology	2020 – present
Leader, Action Group on Promoting BIPOC voices in science, PBS	2020 - present
Member, PBS Diversity Committee	2018-present
Faculty Supervisor, PBS Undergraduate Diversity and Psychology Club	2019-2020

Ad hoc reviewer: American Journal of Primatology, Animal Behaviour, Animal Cognition, Child Development, Cognitive Development, Cognitive Science, Current Biology, Developmental Psychobiology, Developmental Psychology, Developmental Science, International Journal of Primatology, Journal of Cognition and Development, Journal of Experimental Child Psychology, Journal of Experimental Psychology General, Peerage of Science, Personality and Social Psychology Bulletin, Perspectives on Psychological Science, PLoS One, Proceedings of the National Academy of the Sciences, Royal Society Open Science, Scientific Reports, Sex Roles, Social Cognition

Grant reviewer for the Israel Science Foundation	2019
Grant reviewer for the Society for Research in Child Development	2018
Conference paper reviewer for CDS 2017 (Cognitive Development Society)	2017
Conference paper reviewer for SRCD 2017 (Society for Research in Child Development)	2016
Conference paper reviewer for CogSci 2016 (Cognitive Science Society)	2016
Grant reviewer for The Leakey Foundation	2015, 2018
Panelist, Dept. of Applied Psychology Graduate School panel, New York, NY	2014
Grant reviewer for the Association for Psychological Science	2013, 2014

Affiliations: International Primatological Society (2009-2016), Society for Social Neuroscience (2010-2016), Animal Behavior Society (2011-2016), American Society of Primatologists (2013-2016), International Society for Wildlife Endocrinology (2013- 2014), International Society for Behavioral Ecology (2014), Association for Psychological Science (2011-present), Society for Research in Child Development (2015-present), Cognitive Development Society (2015-present)