


## KATIE HINDE, Ph.D

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### PROFESSIONAL EXPERIENCE

2015- Associate Professor, School of Human Evolution & Social Change;  
Center for Evolution and Medicine, Arizona State University  
2015-2017 Visiting Scholar, Human Evolutionary Biology, Harvard University  
2011-2015 Assistant Professor, Human Evolutionary Biology, Harvard University  
2009-2011 Post-Doctoral Scholar, Brain, Mind, & Behavior, California National  
Primate Research Center (CNPRC), UC Davis  
2008-2009 Lecturer, Department of Anthropology, UC Santa Barbara  
2007-2008 Mentor, Science & Society Program, UC Davis

### AFFILIATIONS

2011-Present Affiliate Scientist, Brain, Mind, & Behavior Unit, CNPRC  
2011-2014 Research Associate, Nutrition Lab, Smithsonian National Zoo (SZNP)

### EDUCATION

2005-2008 Ph.D. Anthropology, University of California Los Angeles  
2002-2004 M.A. Anthropology, University of California Los Angeles  
1997-1999 B.A. Anthropology, U of Washington, *Magna cum Laude* & Dept. Honors  
1995-1997 Seattle Central Community College

### CERTIFICATION & TRAINING

2019 Wilderness First Aid (WFA) Certification, NOLS Wilderness Medicine  
2018 Active Shooter Training, ASU Police Department. Because apparently, this is  
how we address the issue of gun violence in the United States instead  
of legislation that protects and heals our society.  
2014 Lactation Education Counselor Certification, UC San Diego

### GRANTS (selected)

2015-2020 “Adolescent and adult outcomes of early life lactocrine programming of  
temperament: neuroenergetics and social behavior” NSF IOS-1456174  
(Total Budget \$475,000); Role: Principle Investigator  
2014-2017 “Effects of Chronic Intranasal Oxytocin” PI: Karen Bales NIH NICHD  
R01HD071998-02S1A1; Role: co-Investigator  
2014-2016 “Maternal stress and obesity alter milk immunobiology and impair infant  
growth” NIH NICHD R21HD079969-01 PI: Kelly Ethun Role: Collaborator  
2009-2013 “Longitudinal Investigation of Maternal Influences on Infant Outcomes  
Mediated by Physiological Investment and Behavioral Care during Lactation  
in Rhesus Macaques (*Macaca mulatta*).” National Science Foundation BCS-  
0921978 (Total Budget \$400,000); Role: Principle Investigator

- 2011 “Assessment of a Non-Human Primate Model of Human Mammary RNA during Lactation” California National Primate Research Center Post-Doc Pilot Grant to PI Danielle Lemay under CNPRC Base Grant NIH RR000169 Role: Collaborating Investigator
- 2005-2007 “Maternal Condition and Lactational Investment: Nursing Behavior, Milk Production and Infant Outcomes in Captive Rhesus Macaques” NSF Doctoral Dissertation Improvement Grant #0525025 Role: co-PI with advisor Joan Silk.
- 2004 Sigma Xi Grant-in-Aid-of Research

## PUBLICATIONS

*Peer-Reviewed: Journal Articles (undergraduate trainee co-authors underlined)*

44. Scelza B, **Hinde** K. 2019. Crucial Contributions: A biocultural study of grandmothering during the perinatal period. *Human Nature*. 30(4):371-397. doi: 10.1007/s12110-019-09356-2.
43. Petruccio L, **Hinde** K, Lu, A. 2019. Steroid hormone concentrations in milk predict sex-specific offspring growth in a non-human primate. *American Journal of Human Biology*. 31(6): e23315 doi: 10.1002/ajhb.23315.
42. Muletz-Wolz CR, Kurata NP, Himschoot E, Wenker E, Quinn EA, **Hinde** K, Power ML, Fleischer RC. 2019. Diversity and temporal dynamics of primate milk microbiomes. *American Journal of Primatology*. 81(10-11):e22994. doi: 10.1002/ajp.22994.
41. Klein LD, Huang J, Quinn EA, Martin M, Breakey A, Gurven M, Kaplan H, Valeggia C, Jasienska G, Scelza B, Lebrilla C, **Hinde** K. 2018. Variation among populations in the immune protein composition of mother’s milk reflects subsistence pattern. *Evolution, Medicine, & Public Health*. <https://doi.org/10.1093/emph/eoy031>
40. Pittet F, Johnson C, **Hinde** K. 2017. Age at reproductive debut: Developmental predictors 2 and consequences for lactation, infant mass, and subsequent 3 reproduction in rhesus macaques (*Macaca mulatta*). *American Journal of Physical Anthropology*. DOI: 10.1002/ajpa.23286
39. Nelson RG, Rutherford JN, **Hinde** K, Clancy KL. 2017. Signaling safety: characterizing fieldwork experiences and their implications for career trajectories. *American Anthropologist*. 10.1111/aman.12929
38. Klein LD, Breakey AA, Scelza B, Valeggia C, Jasienska G, **Hinde** K. 2017. Concentrations of trace elements in breast milk: comparisons among women in Argentina, Namibia, Poland, and the United States. *PLoS One*. 12(8): e0183367
37. Smith T, Austin C, **Hinde** K, Vogel E, Arora M. 2017. Cyclical nursing patterns in wild orangutans. *Science Advances*. 3(5): e160151. doi: 10.1126/sciadv.1601517
36. Dettmer AM, Murphy AM, Guitarra D, Slonecker E, Rosenberg KL, Novak MA, Meyer J, Suomi SJ, **Hinde** K. 2017. Cortisol in neonatal mother’s milk predicts later infant social and cognitive functioning in rhesus monkeys. *Child Development*. doi: 10.1111/cdev.12783
35. Maninger N, **Hinde** K, Mendoza SP, Mason WA, Larke RH, Ragen BJ, Jarcho MR, Cherry SR, Rowland DJ, Ferrer E, Bales KL. 2017. Pair bond formation leads to a sustained increase in global cerebral glucose metabolism in monogamous male titi monkeys (*Callicebus cupreus*). *Neuroscience*. 10.1016/j.neuroscience.2017.02.028.
34. Allen-Blevins CR, You X, **Hinde** K, Sela D. 2017. Handling stress may confound murine gut microbiota studies. *Peer J*. 5:e2876. doi: 10.7717/peerj.2876

33. **Hinde K**, Muth C, Maninger N, Ragen B, Larke LH, Jarcho MR, Mendoza SP, Mason WM, Ferrer E, Bales KL. 2016. Challenges to the pair bond: neural and hormonal effects of separation and reunion in a monogamous primate. *Frontiers In Behavioral Neuroscience*. doi: 10.3389/fnbeh.2016.00221
32. Hostetler CM, **Hinde K**, Maninger N, Mendoza SP, Mason WA, Rowland DJ, Wang GB, Kukis D, Cherry SR, Bales KL. 2016. Pair bonding increases dopamine D1 receptors in the lateral septum of the monogamous titi monkey (*Callicebus cupreus*). *Am J Primatol*. doi:10.1002/ajp.22612
31. Bernstein, R. M., & Hinde, K. 2016. Bioactive factors in milk across lactation: Maternal effects and influence on infant growth in rhesus macaques (*Macaca mulatta*). *American journal of primatology*, 78(8), 838-850.
30. Austin C, Smith TM, Farazhani RMZ, **Hinde K**, Carter E, Lee J, Lay P, Doble P, Hare DJ, Sarrafpour B, Wright RJ, Wright RO, Arora M. 2016. Multimodal imaging reveals stress-related biochemical signatures in primate teeth. *Scientific Reports*. 6 doi: 10.1038/srep18802
29. Wahl A, Baker C, Spagnulo RA, Stamper LW, Fouda GG, Permar SR, **Hinde K**, Kuhn L, Bode L, Aldrovandi GM, Garcia JV. 2015. Breast milk of HIV-positive mothers has potent and species-specific in vivo HIV-inhibitory activity. *Journal of Virology*. 89: 10868-10878 doi 10.1128/JVI.01702-15
28. Mattison SM, Wander K, **Hinde K**. 2015. Prolonged breastfeeding is associated with longer birth intervals, but not measures of growth or health, among children in Kilimanjaro, TZ. *Am J Hum Biol* 27(6), 807-815. doi: 10.1002/ajhb.22729
27. Nuñez CL, Grote MN, Wechsler M, Allen-Blevins C, **Hinde K**. 2015. Offspring of primiparous mothers do not experience greater mortality or poorer growth: Revisiting the conventional wisdom with archival records of rhesus macaques. *Am J Primatol* 77(9), 963-973. doi: 10.1002/ajp.22426
26. Allen-Blevins C, Sela DA, **Hinde K**. 2015. Milk bioactives may mediate parent-offspring conflict through microbial manipulation. *Evolution, Medicine, & Public Health*. 2015: 106-121 doi: 10.1093/emph/eov007.
25. Muth C, Bales KL, **Hinde K**, Maninger N, Mendoza SP, Ferrer E. 2015. Alternative models for small samples in psychological research: applying linear mixed effects models and generalized estimating equations to repeated measures data. *Educational and Psychological Measurement*. doi: 10.1177/0013164415580432
24. Beck K, Weber D, Phinney B, Smilowitz J, **Hinde K**, Lönnerdal B, Korf I, Lemay DG. 2015. Comparative proteomics of human and macaque milks: humans get a helping hand during post-natal development. *J Proteomics Research*. doi: 10.1021/pr501243m
23. Breakey A, **Hinde K**, Valeggia C, Sinofsky A, Ellison P. 2015. Illness in breastfeeding infants relates to concentration of lactoferrin and secretory Immunoglobulin A in mother's milk. *Evolution, Medicine, and Public Health*. doi: 10.1093/emph/eov002
22. **Hinde K**, Skibiell AL, Eoster A, Del Rosso L, Mendoza SP, Capitanio JP. 2015. Cortisol in Mother's Milk across Lactation Reflects Maternal Life History and Predicts Infant Temperament. *Behavioral Ecology*. 26(1): 269-281 doi: 10.1093/beheco/aru186
21. Kato A, Tang N, Borries C, Papakyrikos AM, **Hinde K**, Miller E., Kunimatsu Y, Hirasaki E, Shimizu D, Smith TM. 2014. Intra- and Interspecific Variation in Macaque Molar Enamel Thickness. *Am J Phys Anth*. doi: 10.1002/ajpa.22593
20. Clancy K, Nelson R, Rutherford JN, **Hinde K**. 2014. Survey of Academic Field Experiences (SAFE): Trainees Report Harassment and Assault. *PLoS One*. 9(7): e102172. doi:10.1371/journal.pone.0102172. (**#38 on Altmetric Top 100 of 2014**)

19. **Hinde K**, Carpenter AJ, Clay J, Bradford BJ. 2014. Holsteins Favor Heifers, Not Bulls: Biased Milk Production Programmed during Pregnancy as a Function of Fetal Sex. *PLoS One*. 9(2): e86169. (**#13 of TOP 20 of 2014 PLoS One Articles**)
18. Lemay DG, Hovey RC, Hartono SR, **Hinde K**, Smilowitz JT, Ventimiglia F, Schmidt KA, Lee JWS, Islas-Trejo A, Silva PIG, Korf I, Medrano JF, Barry PA, German JB. 2013. Sequencing the transcriptome of milk production: milk trumps mammary tissue. *BMC Genomics* 14:872 doi:10.1186/1471-2164-14-872
17. Bell A, **Hinde K**, Newson L. 2013. Who was Helping? The Scope for Female Cooperative Breeding in Early *Homo*. *PLOS One*. 8(12), e83667
16. Austin C, Smith TM, Bradman A, **Hinde K**, Joannes-Boyau R, Bishop D, Hare DJ, Doble P, Eskenazi B, Arora M. 2013. Barium distributions in teeth reveal early life dietary transitions in primates. *Nature* 498: 216-219.
15. **Hinde K**, Foster AB, Landis LM, Rendina D, Oftedal OT, Power ML. 2013. Daughter Dearest: Sex-Biased Calcium in Mother's Milk among Rhesus Macaques. *Am. J. Phys. Anthropol.* 151: 144-150.
14. O'Sullivan A, He X, McNiven EMS, **Hinde K**, Haggarty NW, Lönnerdal B, Slupsky CM. 2013. Metabolomic phenotyping validates the infant rhesus monkey as a model of human infant metabolism. *Journal of Pediatric Gastroenterology & Nutrition*. 56: 355-363.
13. Miller EM, Aiello MO, Fujita M, **Hinde K**, Milligan L, Quinn EA. 2013. Field and Laboratory Methods in Human Milk Research. *Am J Hum Biol* 25:1-11.
12. **Hinde K**, German B. 2012. Food in an evolutionary context: Insights from mother's milk. *J Sci Food Agric*. 92(11):2219-23.
11. Neville MC, Anderson SM, McManaman, Badger TM, Bunik M, Crume T, Dabelea D, Donovan S, Forman N, Frank DN, Friedman JE, German JB, Goldman A, Hadsell D, Hambidge M, **Hinde K**, Horseman ND, Hovey RC, Hovey RC, Janoff E, Krebs N, Lebrilla C, Lemay DG, MacLean PS, Meier P, Morrow A, Neu J, Nommsen-Rivers, Raiten DJ, Rijnkels M, Seewaldt V, Shur BD, VanHouten J, Williamson P. 2012. Lactation and neonatal nutrition: defining and refining the critical questions. *J Mamm Gland Biol Neoplasia*. 17:167-88
10. **Hinde K**, Milligan LM. 2011. Primate milk synthesis: Proximate mechanisms and ultimate perspectives. *Evol Anthropol* 20:9-23.
9. Tao N, Wu S, Kim J, An HJ, **Hinde K**, Power M, Gagneux P, German J, Lebrilla C. 2011. Evolutionary glycomics: Characterization of milk oligosaccharides in primates. *J Proteome Res*. 10:1548-1557
8. Jin L, **Hinde K**, Tao L. 2011. Species diversity and relative abundance of lactic acid bacteria in the milk of rhesus macaques (*Macaca mulatta*). *J Med Primatol* 40: 52–58.
7. Sullivan EC, **Hinde K**, Mendoza SP, Capitanio JP. 2011. Cortisol concentrations in the milk of rhesus monkey mothers are associated with confident temperament in sons, but not daughters. *Dev Psychobiol* 53: 96–104.
6. Goto K, Fukuda K, Senda A, Saito T, Kimura K, Glander KE, **Hinde K**, Dittus W, Milligan LA, Power ML, Oftedal OT, Urashima T. 2010. Chemical characterization of oligosaccharides in the milk of six species of New and Old world monkeys. *Glycoconj J*. 27:703–715
5. **Hinde K**, Capitanio JP. 2010. Lactational programming? Mother's milk predicts infant temperament and behavior. *Am J Primatol*. 72:522-529

4. **Hinde** K. 2009. Richer milk for sons but more milk for daughters: sex biased investment during lactation varies with maternal life history in rhesus macaques. *Am J Hum Biol* 21:512-519.
3. **Hinde** K, Power M, Oftedal OT. 2009. Rhesus macaque milk: Magnitude, sources, and consequences of individual variation over lactation. *Am J Phys Anth* 138:148-57.
2. **Hinde** K. 2007. First-time macaque mothers bias milk composition in favor of sons. *Curr Biol* 17:R958-R959.
1. **Hinde** K. 2007. Milk composition varies in relation to the presence and abundance of *Balantidium coli* in the mother in captive rhesus macaques (*Macaca mulatta*). *Am J Primatol* 69:625-34.

*In Review/Revision*

- Hinde** K, Milligan LA, Blomquist G. The First Diet: Mother's Milk. Chapter in: Primate Nutrition. Joanna Lambert and Jessica Rothman, Eds.
- Klein LD, Breakey AA, Lipson SF, Galbarczyk A, Valeggia C, Jasienska G, Ellison PT, **Hinde** K. Cortisol in human milk as a signal of maternal energetic condition

*In Prep (working manuscripts)*

- Hinde** K, Burt N, Callias M, Chen A, Chestnut T, Desari M, Drew J, Durgavich L, Henning C, Hilborn A, Kissel M, Kobylecky J, Kurnath P, Lee DN, Lewton K, Light JE, Murphy A, Nickley W, Pellicer O, Pellicer V, Perry A, Rudzis C, Schuster S, Stone A, Tanis B, Wilson M, Willcocks E, Anderson CN. In Prep. March Mammal Madness: The Power of Science as Narrative. *Journal of Mammalogy*.
- Hinde** K, Klein LD, Gutterriez S, Davis J, Quinn EA, Martin M, Breakey A, Gurven M, Jasienska G, Kaplan H, Scelza B, Valeggia C, Lebrilla C. Cultural ecology predicts breastmilk oligosaccharide profiles.
- Hinde** K, Wechsler M, Pittet F. First is Worst: Daughters of primiparous mothers have compromised milk synthesis in adulthood among rhesus macaques (*Macaca mulatta*).
- Blomquist GE, **Hinde** K, Capitanio JP. Heritability of infant biobehavioral regulation and temperament in rhesus macaques.
- Azad M; N.J.Timpson; S.Moossavi, A.B.Becker, P.Mandhane, S.E.Turvey, T.J.Moraes, D.Lefebvre, P.Subbarao, M.R.Sears; K. **Hinde**. 2019. More Milk for Daughters: Sex-Differentiated Milk Synthesis and Breastfeeding in Macaques and Humans.

*Invited Commentaries*

- Hinde** K, Lewis ZT. 2015. Mother's Littlest Helpers. *Science*. 348:1427-1428.
- Hinde** K. 2015. Motherhood. in: Emerging Trends in the Social and Behavioral Sciences Eds: R. Scott and S. Kosslyn, Hoboken, NJ: John Wiley and Sons. 1-16. DOI: 10.1002/9781118900772.etrds0392
- Hinde** K. 2014. Essential Tensions in Infant Rearing: Commentary on "Troubled sleep: night waking, breastfeeding, and parent-offspring conflict" David Haig. *Evolution, Medicine & Public Health*. 2014(1): 48-50.
- Hinde** K. 2014. The Potential Wonders of Other's Milk. Commentary on "Allomaternal nursing in humans." B.S. Hewlett, S. Wynn. *Current Anthropology*. 55 (2), 216-217
- Hinde** K. 2013. How to Avoid the Danger Zone in Milk Research: Hidden Complexities and Future Opportunities. *Proceedings of the California Animal Nutrition Conference*.

*Peer-Reviewed: Book Chapters*

- Dettmer AM, Suomi SJ, **Hinde** K. 2014. Nonhuman primate models of mental health: Early life experiences effect developmental trajectories. In: Ancestral Landscapes in Human Evolution: Culture, Childrearing and Social Wellbeing. Narvaez D, Valentino K, Fuentes A, McKenna J, Gray P, (Eds.). New York: Oxford University Press. 42-58
- Hinde** K. 2013. Lactational Programming of Infant Behavioral Phenotype In: Primate Developmental Trajectories in Proximate and Ultimate Perspectives. Clancy KBH, Hinde K, Rutherford JN, eds. Springer, New York. pp 187-207
- Fairbanks LA, **Hinde** K. 2013. Behavioral Response of Mothers and Infants to Variation in Maternal Condition: Adaptation, Compensation and Resilience. In: Primate Developmental Trajectories in Proximate and Ultimate Perspectives. Clancy KBH, Hinde K, Rutherford JN, eds. Springer, New York. pp 281-302
- Bales KL, Maninger N, **Hinde** K. 2012. New directions in the neurobiology and physiology of paternal care. In: Relationship Science: Integrating Evolutionary, Neuroscience, and Sociocultural Approaches. Eds. Gillath O, Adams G. Kunkel A. Am Psych Assoc. Washington DC. 91-111.

*Volumes Edited*

- Building Babies: Primate Developmental Trajectories in Proximate and Ultimate Perspectives. 2013. Editors: Clancy KBH, **Hinde** K, Rutherford JN. Developments in Primatology: Progress and Prospects, Vol. 37. Springer, New York. p 531. ISBN 978-1-4614-4059-8

*Essays (selected)*

- Hinde** K. 2017. "Welcome to Bones, Stones, & Human Evolution: The Start of a Story" <http://mammalssuck.blogspot.com/2017/08/welcome-to-stones-bones-and-human.html>
- Hinde** K. 2017. "Colostrum through a Cultural Lens." *SPLASH! Milk Science Update* <http://milkgenomics.org/article/colostrum-cultural-lens/>
- Hinde** K. 2016. "From Bench to Bedside: Translating Milk Science at the Clinician-Patient Interface." *SPLASH! Milk Science Update* <http://milkgenomics.org/article/bench-bedside-translating-milk-science-clinician-patient-interface/>
- Hinde** K. 2015. "When to Wean" <http://mammalssuck.blogspot.com/2015/01/when-to-wean.html>
- Lemay D. **Hinde** K. 2014 "Monkey Model of Milk and Lactation." <http://milkgenomics.org/article/monkey-model-milk-lactation/>

**INVITED TALKS**

**Academic**

- 2020 International Society for Research in Human Milk and Lactation, Sweden
- 2019 Breastfeeding & the Origins of Health: Interdisciplinary Perspectives and Priorities Workshop. Winnipeg, Canada
- The Origins & Benefits of Biologically Active Components in Human Milk Conference. FASEB. West Palm Beach, FL
- TRANSCEND Program in Maternal Child Health Nutrition and Childhood Obesity Prevention, College of Health Solutions, Arizona State University
- Int'l Developmental Origins of Health & Disease Congress, Melbourne, Australia
- Liggins Institute & Faculty of Medical Health Science, University of Auckland

- Southwest Biological Anthropology Conference (**Opening Keynote**), Arizona State University
- Non-human Primates: Novel Insights into Evolution & Medicine Meeting. Center for Evolution & Medicine, Arizona State University
- 2018 Psychology Colloquium Series, University of Wisconsin Madison  
 Ecology and Evolution Speaker Series, University of California Davis  
 Animal Behavior Speaker Series, University of California Davis  
 Behavior, Evolution, & Culture Speaker Series, University of California Los Angeles  
 Anthropology Colloquium Series: Anthropological Perspectives on Social and Environmental Justice University of California San Diego  
 Int'l Society of Evolution, Medicine, and Public Health, Park City, UT (Plenary)  
 International Society for Human Ethology, Santiago, Chile (Plenary)  
 TRANSCEND Program in Maternal Child Health Nutrition and Childhood Obesity Prevention, College of Health Solutions, Arizona State University  
 Life Sciences Seminar Series, Department of Biology and Wildlife, University of Alaska, Fairbanks AK  
 Environment, Ecosystems, Evolution and Society Program, Dartmouth College  
 Max Planck Institute for Human Development
- 2017 Origins and Benefits of Biologically Active Components in Human Milk Summer Research Conference, Federation of American Societies for Experimental Biology (FASEB), Lisbon, Portugal  
 4th Annual Polish Society for Human and Evolution Studies Meeting, Jagiellonian University, Krakow, Poland (**Plenary**)
- 2016 Director's Lecture Series, National Institutes for Health, Washington DC  
 Center for Academic Research and Training in Anthropogeny Symposium  
 "Implications of Anthropogeny on Medicine and Health" Salk Institute for Biological Studies, La Jolla, CA  
 10th Congress of the Int'l Society of Nutrigenetics and Nutrigenomics, Tel Aviv  
 Joint American Society of Primatologists Annual Meeting and International Primatological Society Biennial Congress, Chicago, USA (**Plenary**)  
 Department of Anthropology, Pennsylvania State University  
 Human Evolution Research Institute, University of Cape Town  
 10th Annual C-WESS, Cal Poly SLO (**Opening Keynote**)  
 Webinar, American Anthropological Association  
 Department of Biology, University of Utah  
 Department of Anthropology, University of Michigan
- 2015 3rd International Conference on Human Milk Science and Innovation, Pasadena CA  
 Center for Evolution and Medicine; School of Human Evolution and Social Change, Arizona State University  
 Anthropology Department, University of Texas Austin  
 Human Biology Association Annual Meeting, Plenary Session, St Louis, MO  
 Mapping the Landscapes of Childhood II, Institute for Child and Youth Studies, University of Lethbridge, Canada (**Closing Keynote**)  
 School of Biology and Ecology, University of Maine  
 Evolutionary Medicine, University of New Mexico  
 Department of Anthropology, University of New Mexico
- 2014 International Society for Research in Human Milk and Lactation, Plenary Session, Biennial Meeting, Kiawah Island SC  
 Integrative Biology, Oregon State University, Annual Lecture Invited by Grad

## Student Association

- Center for Academic Research and Training in Anthropogeny Symposium "From Birth to Grandmotherhood: Childrearing in Human Evolution" Salk Institute for Biological Studies, La Jolla, CA
- Gordon Research Conference: Mammary Gland Biology, Lucca, Italy
- Center for the Advanced Study of Hominid Paleobiology, George Washington U.
- New York Consortium in Evolutionary Primatology Seminar Series
- Distinguished Visiting Lecture, Evolutionary Medicine, Yale University
- Behavioral Development: Adaptation & Plasticity Workshop, Bielefeld U. Germany
- Organismal and Evolutionary Biology Seminar Series, UMass Amherst
- 2013 Evolution of Social Complexity Colloquia, School of Human Evolution and Social Change, Institute of Human Origins, and the Consortium for Biosocial Complex Systems, Arizona State University
- 10th Annual Milk Genomics and Human Health Meeting, International Milk Genomics Consortium, Davis, CA (**Keynote**)
- Behavioral Ecology Group, Stony Brook University
- California Animal Nutrition Conference Annual Meeting (**Plenary**)
- 2012 IGERT Program in Evolutionary Modeling: Model-Based Approaches to Biological & Cultural Evolution, Department of Anthropology, Washington State University
- Human Evolution and Human Development Symposia, Center for Children and Families University of Notre Dame
- Joint Annual Meeting of the ADSA-AMPA-ASAS-CSAS-WSASAS, Phoenix, AZ
- Lactation Biol Symposium: The Long-Term Impact of Epigenetics & Maternal Influence on the Neonate through Milk-Borne Factors & Nutrient Status
- Milk and Lactation: Defining and Refining the Critical Questions Workshop, Anschutz Medical Campus of the University of Colorado, Denver
- Organismal and Evolutionary Biology Department, Harvard University
- 2011 6th International Whey Conference, Chicago IL
- Gordon Research Conference, Mammary Gland Biology, Newport, RI
- Primate Biology Group, UC Berkeley
- 2010 7th Annual International Milk Genomics Consortium Meeting, UC Davis
- Physical Anthropology & Archeology Seminar Series, UC Santa Cruz
- Department of Human Evolutionary Biology, Harvard University
- Anthropology Department, New York University
- 2008 Inaugural Interdisciplinary Symposium, 31st Am Society Primatologists Meeting
- Physical Anthropology & Archeology Seminar Series, UC Santa Cruz
- Behavior, Evolution, & Culture Brownbag Series, UCLA
- PsychoBio Brownbag Seminar, UC Davis
- 2007 Animal Behavior Research Group Seminar Series. University of Chicago

## **Clinical**

- 2019 IX International Congress of Breastfeeding, Asociación Pro Lactancia Materna, Puebla, Mexico
- International Breastfeeding Conference, Healthy Children Project, Deerfield, FL
- California Breastfeeding Summit, California Breastfeeding Coalition, Anaheim, CA
- Spanish Breastfeeding Congress, Santiago de Compostela Spain
- 2018 Australia Breastfeeding Association 2018 Health Professional Series Speaker Tour: Brisbane, Sydney, & Melbourne



- Belgian Breastfeeding Week Tour: Belgium Association of Lactation Consultants in Hasselt, Ministry of Health in Brussels, & Sint Jan Hospital in Oostende
- Internal Medicine Grand Rounds, Evolutionary Medicine Month, UCLA Med Center
- 2017 Bay Area Lactation Association Fall Workshop Back (& Forward) to the Future: Introducing Revolutionary Insights Into Breastmilk and Breastsleeping Biology, Culture and Behavior. Berkeley CA
- California Association of Neonatologists, Coronado CA
- University of Arizona College of Medicine, Rural and Underserved Programs
- 2016 International Lactation Consultant Association Annual Meeting, Chicago (**Plenary**)
- International Breastfeeding Week Annual LATCH AZ, Banner University Medical Center, Tucson AZ, AZ Dept of Health Services (7-hr workshop)
- International Breastfeeding Week Annual LATCH AZ, Banner Desert Medical Center, Phoenix AZ, Arizona Department of Health Services (7-hr workshop)
- 2015 Grand Rounds, Pediatrics, University of California Davis Medical Center
- 2014 Newborn Medicine Grand Rounds, Boston Children's Hospital Division of Newborn Medicine and Harvard Neonatal-Perinatal Medicine Fellowship Program
- 2012 New York Lactation Consultants Association, Focused Perspective Series, New York Methodist Hospital

### **Industry**

- 2020 Medela Breastfeeding and Lactation Symposium, Melbourne Australia
- 2017 90th Nestlé Nutrition Institute Workshop on "Human Milk: Composition, Clinical Benefits and Future Opportunities, Lausanne Switzerland
- Medela's 12th Breastfeeding and Lactation Symposium, Florence Italy
- 2015 Mead Johnson Pediatric Nutrition Institute Lecture Series, Evanston
- 2014 Zinpro Performance Minerals Semi-Annual Research Team Meeting

### **Government**

- 2017 Infant Feeding Team, Nutrition Branch, US Center for Disease Control & Prevention

### **Public Outreach**

- 2020 Darwin Day Community Address, College of Charleston
- Origins Science Scholars Program, Institute for the Science of Origins, Case Western Reserve University & the Cleveland Museum of Natural History
- 2018 ALELLE Series, University of Alabama, Tuscaloosa AL
- 2017 Jaffe Symposium on Security and Scarcity, Evolution and Human Adaptation Program at University of Michigan
- Explorer Lecture Series, Cleveland Natural History Museum
- Sackler Brain Course: Neurobiology of Maternal Attachment, American Museum of Natural History
- 2016 TEDWomen, San Francisco. [TED Talk](#) translated into 26 different languages & 1.35 million views as of 6/19
- Center for Academic Research and Training in Anthropogeny Symposium "Implications of Anthropogeny on Medicine and Health" UC San Diego
- 2015 Nieman Foundation, Harvard University, Cambridge MA
- Seattle Central College: "One Biologist's Career Path from Community College"
- 2014 Center for Academic Research and Training in Anthropogeny Symposium "From Birth to Grandmotherhood: Childrearing in Human Evolution" UC San Diego & Salk Institute for Biological Studies, La Jolla, CA video: [https://www.youtube.com/watch?v=2dC11muD\\_DY](https://www.youtube.com/watch?v=2dC11muD_DY)

- 2013 Harvard Science Center Public Lecture Series: "Why Mammals Suck"  
 Nieman Foundation 75th Anniversary (<http://vimeo.com/75960568>)  
 Harvard Thinks Big 4 (<http://www.youtube.com/watch?v=CLSAak1GafE>)  
 Vashon Island High School, Washington: "Mother's Milk & Infant Development"  
 "Research Career Paths from Community College" in Biology for Non-Science  
 Majors, North Shore Community College
- 2012 Darwin Festival, Salem State University  
 40th National Meeting of the Shakespeare Association of America, Boston MA

### **Other**

- 2019 Workshop Contributor: #SciComm: Developing Strategies for Effective & Trustworthy  
 Communication, 2019 Annual Meeting of the American Society of  
 Mammalogists, Washington DC  
 Post-Doctoral Scholars Organization, University of Auckland
- 2018 National Association of Biology Teachers, Annual Conference, San Diego CA  
**(Opening Keynote)**  
 Professional Development: Navigating Online Spaces as an Academic and Talking  
 with Diverse Stakeholders, Trainee Interest Group Webinar, International  
 Society for Research in Human Milk and Lactation
- 2017 Social Media in Academia: Research, Teaching, & Outreach, Univ. Notre Dame
- 2015 37th Annual National Institute on the Teaching of Psychology, St. Petersburg, FL
- 2014 Distinguished Alumni Address, Commencement, Seattle Central College:  
<http://mammalssuck.blogspot.com/2014/06/touchstones-and-cornerstones.html>
- 2013 STEM Research & Social Media, UC ADVANCE Panel, UC Davis

### **ORGANIZED SYMPOSIA, WORKSHOPS, & CONFERENCES**

- Hinde K. 2019. Benefits of Bioactive Milk Components for Behavior and Well-Being. The  
 Origins and Benefits of Biologically Active Components in Human Milk Conference,  
 Federation of American Societies for Experimental Biology Organization. West  
 Palm Beach, FL
- Merewood A, Hinde K. 2016. Research and Implementation among Low Income and  
 Traditional Populations. Pre-Conference Workshop. International Society for  
 Research in Human Milk and Lactation. South Africa
- Dettmer AM, **Hinde K**, Ross CN, Rutherford JN. 2014. Being a Scientist Online:  
 Possibilities, Pragmatics, and Pitfalls. 37<sup>th</sup> American Society of Primatologists  
 annual meeting, Decatur GA.
- Hinde K**. 2014. Building Babies: Development, Evolution, and Human Health Symposium  
 Track: Behavioral and Social Sciences. Annual AAAS Meeting, Chicago, IL.  
[http://storify.com/Mammals\\_Suck/2014-aaas-building-babies-symposium-1](http://storify.com/Mammals_Suck/2014-aaas-building-babies-symposium-1)
- Hinde K**. 2011. Careers in Primatology: Options Outside Traditional Tenure Trajectories.  
 Student Luncheon Workshop, 34<sup>rd</sup> American Society of Primatologists, Austin, TX
- Hinde K**. 2011. 5th Annual California Workshop on Evolutionary Perspectives on Human  
 Behavior at Cal Poly San Luis Obispo. Role: Lead Coordinator.
- Hinde K**. 2010. The DOs and DON'Ts of the Academic Job Search. Student Luncheon  
 Workshop, 33<sup>rd</sup> American Society of Primatologists Meeting, Louisville KY.
- Hinde K**. 2010. 4th Annual California Workshop on Evolutionary Perspectives on Human  
 Behavior at Cal Poly San Luis Obispo. Role: Lead Coordinator.  
<http://www.cla.calpoly.edu/~srucas/3UC%202010.Program.pdf>

Sellen D, **Hinde** K. 2009. Ecology and evolutionary biology of primate lactation: recent advances and future directions. LXXVIII American Association of Physical Anthropologists Meeting Chicago, IL.

## PRESENTATIONS/PUBLISHED ABSTRACTS

**Hinde**, K; N.J.Timpson; S.Moossavi, A.B.Becker, P.Mandhane, S.E.Turvey, T.J.Moraes, D.Lefebvre, P.Subbarao, M.R.Sears; M. Azad. 2019. More Milk for Daughters: Sex-Differentiated Milk Synthesis and Breastfeeding in Macaques and Humans. Human Biology Association Meeting. Cleveland, OH

Azad M & **Hinde** K. 2018. More Milk for Daughters? Sex Differentiated Breastfeeding in Two Birth Cohorts. International Society for Research in Human Milk and Lactation, Biennial Meeting, Kanagawa Japan.

**Hinde** K. 2018. Sex-Differentiated Developmental Trajectories and the Role of Mother's Milk. Annual meeting of the American Association of Physical Anthropologists. AJPA 165:121

Petrullo L, **Hinde** K, & Lu A. 2018. Steroid hormone concentrations in milk predict postnatal infant growth in rhesus macaques (*Macaca mulatta*). Annual meeting of the American Association of Physical Anthropologists. AJPA 165:106

**Hinde** K. 2017. Land of Milk and "Honey": Infiltrating Academia to Pursue Overlooked Topics. In: Beyond Visibility: How Academic Diversity is Transforming Scientific Knowledge. Invited Podium Symposium. Chair: Deborah A. Bolnick, Rick W.A. Smith. Annual meeting of the American Association of Physical Anthropologists, New Orleans, LA.

Klein LD, Breakey AA, Lipson S, Vallengia C, Jasienska G, Ellison P, & **Hinde** K. 2017. Cortisol in breast milk as a signal of maternal energetic condition. AJHB 29(2). Human Biology Association annual meeting, New Orleans, LA.

**Hinde** K. 2016. Liquid Gold Standards: Complexities of Breast Milk and Implications for Precision Medicine. International Society for Evolution, Medicine, and Public Health 2<sup>nd</sup> Annual Meeting, Durham, NC

**Hinde** K. 2016. Optimizing Human Health: First 1000 Days in Evolutionary and Cultural Perspectives. Evolutionary Biology Impacts on Medicine and Public Health Symposium, AAAS annual meeting, Washington DC

**Hinde** K, Capitanio JP. 2015. Life history trade-offs as a function of mother's milk: Consequences for juvenility and transitions to adulthood. American Association of Physical Anthropology annual meeting. St Louis, MO

Klein LD, J Huang, EA Quinn, M Martin, AA Breakey, B Scelza, C Vallengia, G Jasienska, H Kaplan, M Gurven, C Lebrilla, K **Hinde**. 2015. Variation among populations in the immune protein composition of mother's milk reflects subsistence pattern. Human Biology Association, 40th Annual Meeting. St. Louis, Missouri. (Invited Poster Presentation)

**Hinde** K, Klein LD, Davis J, Guitierrez S, Quinn EA, Martin M, Breakey A, Scelza B, Vallengia C, Jasienska G, Kaplan H, Gurven M, Lebrilla C. 2015. Insights into co-evolution of milk and microbes: subsistence strategy predicts glycan profile in breast milk among diverse human populations. Inaugural meeting of the International Society of Evolution, Medicine, and Public Health. Arizona State University.

Klein LD, J Huang, EA Quinn, M Martin, AA Breakey, B Scelza, C Vallengia, G Jasienska, H Kaplan, M Gurven, C Lebrilla, K **Hinde**. 2015. Variation among populations in the

immune protein composition of mother's milk reflects subsistence strategy. The International Society for Evolution, Medicine, & Public Health Inaugural Meeting. Tempe, Arizona.

- Skibieli A, **Hinde** K. 2015. Prolactin in mother's milk across lactation in a non-human primate model. Society for Integrative and Computational Biology. West Palm Beach, FL.
- Klein LD, Huang J, Quinn EA, Martin M, Breakey AA, Scelza B, Vallengia C, Jasienska G, Kaplan H, Gurven M, Lebrilla C, **Hinde** K. 2014. Variation among populations in the immune protein composition of mother's milk reflects subsistence pattern. 17<sup>th</sup> International Society for Research in Human Milk and Lactation Conference. Kiawah Island, South Carolina.
- Nuñez CL, Grote MN, Wechsler M, **Hinde** K. 2014. Sex and birth order predict juvenile growth and survival in captive rhesus macaques (*Macaca mulatta*). 37<sup>th</sup> American Society of Primatologists annual meeting, Decatur GA.
- Hinde** K, Guitierrez S, Hovey RG, German JB, Barry P, Tao L, Lebrilla C, Lemay DG. 2014. 'Omics insights from mother's milk. 83<sup>rd</sup> Annual Meeting of the American Association of Physical Anthropologists. Calgary, CA
- Hinde** K. 2014. Food, Medicine, and Signal: Mother's Milk Programs Infant Development. Building Babies: Development, Evolution, and Human Health Symposium Track: Behavioral and Social Sciences. Annual AAAS Meeting, Chicago, IL.
- Hinde** K. 2013. Mother's Milk: Insights from Rhesus Monkeys. 112<sup>th</sup> AAA Annual Meeting of the American Anthropological Association Meeting, Chicago, IL.
- Hinde** K, Capitanio JP. 2013. Cortisol and energy in mother's milk predict infant temperament: a complex system. Annual meeting of the American Society of Primatologists, San Juan, Puerto Rico.
- Bales KL, **Hinde** K, Maninger N, Mason WA, Mendoza SP. 2013. Neurobiology of pair-bonding in monogamous titi monkeys. Annual meeting of the American Society of Primatologists, San Juan, Puerto Rico.
- Hinde** K, Wechsler M, Drought H, Bernstein R, 2013. Bioactive factors in the milk of a non-human primate biomedical model. Experimental Biology Annual Meeting, Boston
- Klein LD, Galbarczyk A, Klimek M, Nenko I, Jasienska G, **Hinde** K. 2013. Determinants of milk volume consumed at a single morning feed by healthy, rural Polish infants. Experimental Biology 2013. Boston, MA.
- Hinde** K, Capitanio JP. 2013. Does Personality Matter? Early Life Behavioral Phenotype and Subsequent Survival, Growth, and Reproduction in Female Rhesus Macaques. 82<sup>nd</sup> Annual Meeting of the American Association of Physical Anthropologists, Knoxville, TN.
- Power ML, Schulkin J, Drought H, **Hinde** K, Bernstein R, 2013. Bioactive factors in milk: comparisons across nonhuman primates and humans. 82<sup>nd</sup> Annual Meeting of the American Association of Physical Anthropologists, Knoxville, TN.
- Bernstein R, Drought H, Wechsler M, **Hinde** K. 2013. Bioactive factors in macaque milk: Relationships with maternal physiology and infant growth. 82<sup>nd</sup> Annual Meeting of the American Association of Physical Anthropologists, Knoxville, TN.
- Kato, A., Tang, N., Papakyrikos, A., **Hinde**, K., Miller, E., Kunimatsu, Y., Hirasaki, E., Shimizu, D., Smith, T.M. 2013. Molar enamel thickness in four macaque species. 82<sup>nd</sup> Annual Meeting of the American Association of Physical Anthropologists, Knoxville, TN.
- Tang, N., Kato, A., **Hinde**, K., Miller, E., Smith, T.M. 2013. Molar development and life history in four macaque species. 82<sup>nd</sup> Annual Meeting of the American Association of Physical Anthropologists, Knoxville, TN.

- Hinde K**, Wechsler M. 2012. Intergenerational epigenetic effects on milk production and infant condition in a non-human primate model. International Society of Research in Human Milk and Lactation. Trieste, Italy.
- Capitanio JP, Calonder L, Chun K, Del Rosso LA, **Hinde K**, Kinnally EL, Mason WA, Mendoza SP, Sullivan E, Vandeleest J, Weinstein T. 2012. Assessing variation in infant rhesus monkeys (*Macaca mulatta*): a biobehavioral assessment program at the California National Primate Research Center. Annual meeting of the American Society of Primatologists, Sacramento, CA.
- Hinde K**, Wechsler M. 2012. Long-term consequences of reduced maternal investment in rhesus macaque daughters. 81<sup>st</sup> Meeting of the American Association of Physical Anthropologists. Portland, OR
- Capitanio JP, Sullivan E, **Hinde K**. 2012. Contingent influences on temperament in infant rhesus monkeys (*Macaca mulatta*). Invited presentation in symposium on Multidimensionality in animal individual differences research, Jana Uher & John P. Capitanio, co-organizers. 16th European Conference on Personality, Trieste, Italy
- Lemay DG, **Hinde K**, Honey RC, Smilowitz JT, Hartono SR, Ventimiglia F, Schmidt KA, Lee JWS, Korf I, Barry PA, German JB. 2012. Effects of milk collection and processing methods on origin and integrity of RNA in milk. *Experimental Biology*. FASEB J 26:624.2
- Lemay DG, **Hinde K**, Honey RC, Smilowitz JT, Hartono SR, Ventimiglia F, Schmidt KA, Lee JWS, Korf I, Barry PA, German JB. 2012. Effects of milk collection and processing methods on origin and integrity of RNA in milk. 9th International Symposium on Milk Genomics and Human Health, Wageningen, Netherlands
- Hinde K**, Foster AB, Capitanio JP. Cortisol in Mother's Milk Mediates the Coordinated Development of Infant Behavior and Physiology. 2011. VIII. Göttinger Freilandtage: Behavioral Constraints and Flexibility Göttingen, Ger
- Hinde K**, Maninger N, Mendoza SP, Mason, WA, Wang GB, Cherry SR, Bales KL. 2011. Neurobiological changes in the reward circuit following pair-bond formation in monogamous titi monkeys (*Callicebus cupreus*). American Society of Primatologists Annual Meeting, Austin TX *Am J Primatol.* 73: 95.
- Wechsler M, **Hinde K**. 2011. Despite reduced maternal investment during infancy, first-born rhesus macaques daughters can catch up. American Society of Primatologists Annual Meeting, Austin TX *Am J Primatol.* 73: 39.
- Foster AB, Landis LM, Rendina D, **Hinde K**. 2011. Calcium and phosphorus in milk are associated with maternal parity and infant sex in *Macaca mulatta*. *Am J Primatol.* 73:63
- Hinde K**, Jin L, Tao L. 2011. Mother's milk and commensal gut bacteria: what we know and what we need to find out. 80<sup>th</sup> Meeting of the American Association of Physical Anthropologists. Minneapolis, MN *Am J Phys Anth* 144: 63.
- Hinde K**, Maninger N, Mendoza SP, Mason, WA, Rowland DJ, Wang GB, Cherry SR, Bales KL. 2010. D1 dopamine receptor binding potential as a function of pair-bond status in monogamous titi monkeys (*Callicebus cupreus*). Society for Neuroscience Annual Meeting, San Diego CA
- Maninger N, **Hinde K**, Mendoza SP, Mason, WA, Cherry SR, Bales KL. Where does monogamy reside in the brain? A functional imaging study of pair-bonding in the titi monkey (*Callicebus cupreus*). Society for Neuroscience Annual Meeting, San Diego CA

- Sullivan EC, **Hinde** K, Capitanio JP, Mendoza SP. 2009. Cortisol concentrations in rhesus monkey milk: Implications for Offspring Biobehavioral Development. 40<sup>th</sup> Annual International Society of Psychoneuroendocrinology Meeting.
- Hinde** K, Capitanio JP. 2009. Mother's milk energy shapes infant growth and behavioral development in rhesus macaques (*Macaca mulatta*). LXXVIII American Association of Physical Anthropologists Meeting, Chicago, IL. Am J Phys Anth 48:151
- Hinde** K. 2008. Lactational performance in primiparous and multiparous rhesus macaques: milk energy density and milk yield. IUSSP International Seminar on Trade-offs in Female Life Histories: Raising New Questions in an Integrative Framework. Bristol, United Kingdom, 23-25 July 2008.
- Hinde** K, Capitanio JP. 2008. Lactational programming? Mother's milk energy predicts infant behavior and temperament. American Society of Primatologists Annual Meeting. West Palm Beach, Florida. June. Am J Primatol 70:27.
- Hinde** K. 2007. Sex-biased milk production varies with life history in rhesus macaques. VI. Göttinger Frielandtage: Primate behavior and human universals. Göttingen, Germany. Primate Report SI:30
- Hinde** K. 2007. Milk composition and yield in primiparous and multiparous rhesus macaques (*Macaca mulatta*). LXXVI American Association of Physical Anthropologists Meeting, Philadelphia, PA. Am J Phys Anth 44:130
- Sullivan EC, **Hinde** K, Capitanio JP, Mendoza SP. 2007. Cortisol concentrations in rhesus monkey milk: Relationship to cortisol concentrations in plasma and offspring sex. 40<sup>th</sup> Annual International Society for Developmental Psychobiology Meeting. Dev Psychobio, 49: 741.
- Sullivan E, **Hinde** K, Capitanio JP, Mendoza SP. 2007. Cortisol concentrations in rhesus monkey milk. American Society of Primatologists Meeting, Winston-Salem, NC. Am J Primatol 69:59.
- Tao N, Ninonuevo MR, **Hinde** K, Lebrilla CB. 2006. Profiling of oligosaccharides in non-human mammalian milk. American Society of Mass Spectrometry 54<sup>th</sup> Meeting Seattle, Wa. June.
- Hinde** K. 2006. Milk production in adolescent and prime age rhesus macaques. International Society of Research in Human Milk and Lactation. Niagara-on-the-Lake, CA, J Human Lactation 23:A37
- Hinde** K. 2006. Sources of variation in milk composition from two populations of rhesus macaques (*Macaca mulatta*). American Society of Primatologists Meeting, San Antonio, Texas, August. Am J Primatol 68(S1):44
- Hinde** K. 2006. Lactational Performance in primiparous and multiparous captive rhesus macaques (*Macaca mulatta*) American Society of Primatologists Meeting, San Antonio, Texas, August. Am J Primatol 68(S1):132
- Hinde** K. 2005. Maternal condition varies in relation to maternal condition in captive rhesus macaques (*Macaca mulatta*). LXXIV American Association of Physical Anthropologists Meeting, Milwaukee, WI. Am J Phys Anth S40:115.
- Hinde** K. 2004. Milk composition and maternal condition in captive rhesus macaques (*Macaca mulatta*). XX Congress of the International Primatological Society, Torino, Italy August. Folia Primatologica 75: 274.
- Hinde** K, Kyes RC, Iskandar E, Iskandriati D, Sajuthi D. 2002. A Case Study: Evidence of Trisomy X in a Free-ranging population of Long-tailed Macaques on Tinjil Island, Indonesia. American Society of Primatologists Meeting, Oklahoma City. Am J Primatol 57: 47.

- Hinde** K, Newell-Morris L, Ha JC. 2001. Maternal illness and reproductive failure in primiparous macaques (*M. nemestrina*). American Society of Primatologists Meeting, Savannah, Georgia, August. Am J Primatol 54: 84.
- Hinde** K, Newell-Morris L. 2000. Abortion- A “Biologically Smart” strategy in young macaques (*M. nemestrina*). American Society of Primatologists Meeting, Boulder, Colorado, June. Am J Primatol 51:62.

## TEACHING

<u>Institution/Years</u>	<u>Courses</u>	<u>Department</u>
Arizona State U 2015-2019	Maternal & Child Health	SHESC/SOLS
	Evolutionary Medicine & Global Health	SHESC/SOLS
	Building Babies	SHESC
	Bones, Stones, & Human Evolution	SHESC
	Human Sexuality	SHESC
	Study Abroad: Human Dimensions of Health & Sustainability (Australia, Fiji)	SHESC
	Study Abroad: Community Health & Ecosystem Sustainability (Australia)	SHESC
	Early Start Bridge Program for Incoming Freshmen	SHESC
Harvard University 2011-2015	Building Babies	HEB
	Evolutionary Human Anatomy & Physiology	Life Sci
	Neurobiology of Sociality	HEB
	Sex, Love, & War: Evolution of Human Behavior	HEB
UC Santa Barbara 2009	Comparative Primate Life Cycle	Anthro
	Primate Social Behavior	Anthro
UC Davis 2006-09	Career Discovery Mentor	Science & Society
	Milk Genomics (co-instructor)	Food Sci & Tech

## TRAINEES ADVISED

### *Graduate Students*

*Arizona State University (SHESC- School of Human Evolution & Social Change, SOLS- School of Life Sciences)*

Primary Advisor	Brandice Evans	2017-Present	SHESC
Committee Member	Sam Patterson	2016-Present	SHESC
	Taya Misheva	2016-2017	SHESC
	Kimberly Olney	2017-Present	SOLS
	Autumn Argent	2017-Present	CNHI

### *External Committee Member*

Carmen Hové	University of California Santa Barbara	2016-Present
Lauren Petruzzo	Stony Brook	2017-Present

*Human Evolutionary Biology, Harvard University*

Primary Advisor Laura Klein (2011-2018), Cary Allen-Blevins (2012-2016),  
 Claire Stingley (2013-2015)

Committee Member Alicia Breakey (Graduated '15), Luke Glowacki (Graduated  
 '15), Collin McCabe (2012-2015), Heather Shattuck-Heidorn  
 (2013-2015), Sam Urlacher (2014-2015)

HGWISE (Harvard Grad Women in Science & Engineering) Mentor: Anniki Herranen, Anthropology, 2013-2015

*Post-Docs*

Dr. Florent Pittet	ASU & Brain, Mind, & Behavior Unit CNPRC	2016-2020
Dr. Hallie Edmonds	Center for Evolution and Medicine, ASU	2017-2019
Dr. Alexandra Greenwald	Center for Evolution and Medicine, ASU	2017-2019
Dr. Angela Bond	Center for Evolution and Medicine, ASU	2017-2018
Dr. Amy Skibiell	Human Evolutionary Biology, Harvard	2012-2013

*Undergraduate Students*

Israel Zaldivar '20	SHESC ASU	Honors Creative Project
Sarah Clifford '20	SHESC ASU	Honors Thesis
Jordan Mitchell '19	SHESC, ASU	Honors Creative Project
Rubi Vasquez '18	SHESC, ASU	Honors Thesis
Athena Wilson '17	SHESC, ASU	Independent Study
Bernadette Lim '16	Human Evolutionary Biology, Harvard	Honors Thesis Advisor
Lauren Stone '16	Human Evolutionary Biology, Harvard	Honors Thesis Co-Advisor
Crystal Johnson '15	Human Evolutionary Biology, Harvard	Research Advisor
Jane Thomas '15	Human Evolutionary Biology, Harvard	Research Advisor
Jung-yun Lim '14	Human Evolutionary Biology, Harvard	Research Advisor
Charlotte Lane '13	Human Evolutionary Biology, Harvard	Honors Thesis Advisor
Jorie Sullivan '13	Human Evolutionary Biology, Harvard	Honors Thesis Co-Advisor
Chase Nuñez '13	Anthropology, UC Davis	Research Project

- Trainees have been successful at securing extramural funding: NSF Graduate Research Fellowship, National Science Foundation Doctoral Dissertation Improvement Grant, Wenner-Gren Foundation Dissertation Fieldwork Grant, Sloan Foundation Microbiology of the Built Environment Post-Doctoral Fellowship (co-advisee), Nacey Maggioncalda Grant •

**CONTINUING EDUCATION & PEDAGOGICAL TRAINING:** Workshop Participation

2017	Mentoring and Professional Development Workshop, Santa Clara University, Sponsored by the Association for Women in Science and the AAPA Committee on Diversity
	Crisis & Human Intervention Training, Oregon Country Fair
2016	Meaningful Research: Effectively Engaging with Tribal Communities and Working on Tribal Lands, Office of American Indian Initiatives and the Office of Knowledge Enterprise Development, Arizona State University
2016	Academic Culture Change Workshop, School of Human Evolution and Social



- Change, Arizona State University
- 2015 37<sup>th</sup> National Institute on the Teaching of Psychology
- 2014 Developing Best Practices for Teaching Evolution in the Social Sciences  
NESCent Catalysis Meeting, Durham NC
- 2014 Faculty Workshop on Recognizing Talent and Ensuring Integrity of Searches,  
Harvard University
- 2011 NRC/NAS Convocation on Thinking Evolutionarily: Evolution Education  
Across the Life Sciences, Carnegie Institution for Science, Washington DC

## FELLOWSHIPS, HONORS & AWARDS

- 2017 New Directions Award in Public Anthropology, General Anthropology Division,  
American Anthropological Association  
“The Academic” Breastfeeding Innovator, New Wave of Breastfeeding  
Innovators, Healthy Newborn Network <https://tinyurl.com/y99674ee>
- 2016 Ehrlich-Koldovsky Early Career Award, International Society for Research in  
Human Milk & Lactation
- 2016 Sustainability Innovators, Organizers, & Visionaries #Grist50 Grist Magazine
- 2014 Early Career Achievement Award, American Society of Primatologists (*first  
awardee since being established in 2001*)
- 2014 Distinguished Alumni Award, Seattle Central College
- 2013 MVP Award (Most Valuable Presentation), 10<sup>th</sup> Annual Milk Genomics and  
Human Health Meeting (*selected democratically by attendee votes*)
- 2007-2008 Chancellor’s Dissertation Fellowship, UCLA
- 2007 Science and Society Fellow, UC Davis
- 2006 Outstanding Student Presentation, American Society of Primatologists
- 2006 Philanthropic Education Organization Scholar Award
- 2003 UCLA Summer Research Mentorship Fellow
- 2003-2006 National Science Foundation Pre-Doctoral Fellowship
- 2002-2004 Center for the Study of Evolution and the Origins of Life Fellow, UCLA
- 2002-2003 Eugene Cota Robles Scholarship Award, UCLA
- 1999 *Phi Beta Kappa*, Undergraduate Honor Society
- 1998-1999 University of Washington Undergraduate Scholar Award
- 1997-1998 University of Washington Alumnae Board Scholarship
- 1997 *Phi Theta Kappa*, Junior College Honor Society

## PROFESSIONAL MEMBERSHIPS

### *Current*

International Society for Evolution, Medicine, and Public Health  
International Society for Research in Human Milk and Lactation  
American Association for the Advancement of Science  
American Anthropological Association  
American Society of Primatologists  
Center for Academic Research & Training in Anthropogeny

### *Past*

Society for Neuroscience  
American Society of Nutrition (Lactation Research Interest Group)

## PROFESSIONAL SERVICE

2017-2019 Scientific Advisory Committee, FASEB Milk Bioactives Conference  
2019 Chair, Trainee Presentation Award Committee, FASEB Milk Bioactives Conf  
2017-2019 Member, Editorial Board, Evolutionary Anthropology  
2017-2019 Member, Editorial Board, American Anthropologist  
2017-2018 Member, Program Committee, American Anthropological Association  
2017-2018 Contributing Editor, *SPLASH!* Milk Science Update, Int'l Milk Genomics Cons.  
2015-2016 Editorial Review Board, Frontiers in Behavioral and Evolutionary Ecology  
2014-2016 Editorial Review Board Member, Journal of Human Lactation  
2014-2016 co-Chair, Program Committee, American Society of Primatologists  
2012-2016 Associate Editor, *SPLASH!* Milk Science Update, Int'l Milk Genomics Cons.  
2013-2016 Executive Council, Int'l Society for Research in Human Milk and Lactation  
2014 Exhibit Development Advisor, Human Health & Evolutionary Medicine,  
Cleveland Museum of Natural History  
2012-2015 Faculty Mentor, Harvard Graduate Women in Science and Engineering  
2012-2015 Standing Committee, Mind, Brain, and Behavior Initiative, Harvard University  
2012-2014 Member, Education Committee, ASP  
2012-2013 Member, AAPA ad-hoc working group on new media  
2010-2012 Chair, Education Committee, ASP  
2008-2010 Member, Education Committee, ASP  
2007-2008 Member, Inter-Disciplinary Representation Committee, ASP  
2004-2008 Member, Publications Committee, ASP  
2003-2004 Anthropology Representative, Social Sciences Council, UCLA  
2003-2004 President, Anthropology Graduate Student Association, UCLA

## ASU Service

2020 Revisions, Policies & Procedures, School of Human Evol & Social Change  
2016-2019 Chair, Executive Committee, School of Human Evolution & Social Change  
2016-2018 Member, Executive Committee Center for Evolution & Medicine  
2016-2018 Chair, Education Committee, Center for Evolution & Medicine  
2015-2017 Member, Development Committee, SHESC

Manuscript Ad Hoc Reviewer: *Advances in Nutrition, Am J Hum Biol, Am J Primatol, Am J Phys Anth, Animal Behaviour, Behavioral Ecology, Behavioral Ecology and Sociobiology, Biology of Reproduction, BioSocieties, Current Anthropology, Current Biology, Ev Anth, Evolution and Human Behavior, Evolution Medicine & Public Health, Frontiers in Zoology, Human Ethology, Human Nature, Int J Psychiatry Medicine, Int J Primatol, Journal Am Assoc Lab Anim Sci, J Anatomy, J Human Lactation, J Medical Primatol, J Nutrition, Pediatric Obesity, Peer J, PLOS One, PNAS, Proceedings Royal Soc B, Reproduction, Royal Society Open Science, Scientific Reports, Spanish Journal of Agricultural Research, Veterinary Sciences*

Grant Proposals Review Board: Wenner-Gren Foundation (2017); Ad Hoc Reviewer: National Science Foundation, Leakey Foundation, France-Berkeley Fund

Book Proposals Ad Hoc Reviewer: Food and Anthropology at Bloomsbury Academic, Neuroscience and Life Sciences at MIT Press.

Thesis Examiner Ad Hoc: Deakin University, The University of Western Australia, University

of Auckland

### **INCLUSIVITY CONSULTING & ACTIVITIES**

- 2020 Academic Climate Workshop, University of Cape Town, South Africa, co-lead with Prof Robin Nelson, Santa Clara University
- 2018 Signaling Safety Workshop for Environment, Ecosystems, Evolution & Society Graduate Program, Dartmouth College, co-lead with Prof Robin Nelson, Santa Clara University
- Consultant, Review Seasonal Workplace Environment Survey Technical Report and Supplemental Statistical Report, Department of the Interior and Supplemental Statistical Reports of the Workplace Environment Surveys administered to the Bureau of Indian Affairs, Bureau of Land Management, Office of the Inspector General, Bureau of Ocean Energy Management, U.S. Fish and Wildlife Service, Interior Business Center, Office of the Special Trustee, Office of the Solicitor, Bureau of Reclamation, Office of Natural Resources Revenue, Office of the Secretary, and Office of Surface Mining Reclamation and Enforcement, Bureau of Safety and Environmental Enforcement, & U.S. Geological Survey, US National Park Service
- 2017 Consultant, Review Workplace Environment Survey Technical Report and Supplemental Statistical Report, Department of the Interior and Supplemental Statistical Reports of the Workplace Environment Surveys administered to the Bureau of Indian Affairs, Bureau of Land Management, Office of the Inspector General, Bureau of Ocean Energy Management, U.S. Fish and Wildlife Service, Interior Business Center, Office of the Special Trustee, Office of the Solicitor, Bureau of Reclamation, Office of Natural Resources Revenue, Office of the Secretary, and Office of Surface Mining Reclamation and Enforcement, Bureau of Safety and Environmental Enforcement, & U.S. Geological Survey, US National Park Service
- Reviewer, 2017 Workplace Environment Survey Technical Report, U.S. National Park Service
- Annual Meeting Professional Conduct Policy, HBES
- 2016 Consultant, Sexual Harassment Survey Instrument, U.S. National Park Service Roundtable, Graduate Advanced Lady Scientists (GALS), University of Utah Title IX Roundtable, Junior Women in Science Support Group, ASU American Society of Primatologists Professional Conduct Guidelines
- 2015 Scientista Dinner, Harvard University
- Social Media Roundtable, Junior Women in Science Support Group, ASU
- 2013 Roundtable, Women's Science Group, George Washington University

### **OUTREACH, VOLUNTEER, & COMMUNITY SERVICE**

- 2013-Present Founding Director of annual science outreach "March Mammal Madness" co-organizers Kristi Lewton (2014-2016), University of Southern California; Joshua Drew, Columbia University (2014-2018); Chris Anderson, Dominican University (2014-Present)
- [https://en.wikipedia.org/wiki/Mammal\\_March\\_Madness](https://en.wikipedia.org/wiki/Mammal_March_Madness) In 2019, materials and lesson plan for March Mammal Madness were requested by 3000+ educators to be distributed to 250,000+ students worldwide (doubling

- reach from 2018)
- 2011-Present “Mammals Suck... Milk” blog, N > 2,550,000 cumulative page views  
<http://mammalssuck.blogspot.com>
- 2018-2019 Featured Scientist & Consultant on Forthcoming Documentary Series about Infant Development (details to be released in Winter 2020)
- 2015-2019 Rover Crew, Oregon Country Fair Volunteer Staff
- 2017 ASU Night of the Open Door: Animal Behavior & Ecology at School of Human Evolution & Social Change, School of Life Sciences.
- 2006-2013 Entertainment Crew, Oregon Country Fair Volunteer Staff
- 2014 Science AMA Series: Reddit/science Ask Me Anything
- 2014 “You’re The Expert” Public Radio Show and Podcast hosted by Chris Duffy, Panelists Eugene Mirman (Bob’s Burgers), Sarah Vowell (This American Life), and Wyatt Cenac (Daily Show)
- 2012 Organizer: ASP Booth “Are YOU Smarter than a MONKEY,” USA Festival of Science and Engineering, Washington DC
- 2011 ASP Education Outreach Bailey Middle School, Austin TX
- 2010 CNPRC Education Program Featured Scientist for UC Davis Career Discovery Program and USA National Youth Leadership Forum Staff, ASP Booth “Are YOU Smarter than a MONKEY” USA Festival of Science,  
 ASP Student and Docent Outreach Seminar, Louisville Zoo, KY
- 2009 “The Study of Primates” Doyle Elementary School, San Diego, CA
- 2008 Featured Scientist, “Evolve: Skin” History Channel

### **MEDIA (Selected)**

- 2019 “What’s a ‘Normal’ Amount of Time to Breastfeed?” –Elizabeth Preston, New York Times Sept 3
- 2018 “This is the March office pool for nerds who love animals” –Jason Bittel, Washington Post March 15
- 2017 “Meet the Professor Using March (Mammal) Madness to Draw Students to Science” –Adam Harris, Chronicle of Higher Education March 10  
 “Woman Moves NASA-themed Shirts to the Girls Section to Make a Point About Gender Roles” –Alexa Thompson, Babble by Disney, June 18
- 2016 “Have a Weasel in Your Bracket? Fans Go Mad for Mammals” –Nicole Firedman, Wall Street Journal March 7 (A1, below the fold)
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- “Animal mothers customize milk based on baby's sex” –Lauren Neergaard, Associated Press, Feb 14-20<sup>th</sup> article ran in >150 newspapers internationally
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- “The Secrets of Breast Milk” –Nicholas Day SLATE March 21
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- 2014 “Women in the Sciences Report Harassment and Assault.” - Rutherford JN, Clancy KBH, Nelson R, Hinde K. Huffington Post. July 24 [http://www.huffingtonpost.com/julienne-rutherford/women-in-the-sciences-harassment\\_b\\_5618380.html](http://www.huffingtonpost.com/julienne-rutherford/women-in-the-sciences-harassment_b_5618380.html)

## RESOURCES

**ARMMS: Archive of Rhesus Macaque Milk Samples.** Since being established in 2005, I have collected and archived milk samples from >300 rhesus macaques, totaling over 8000 ml of milk. To maximize the knowledge that can be gained from this research program, these samples are available for colleagues to assay milk for bioactive components that contribute to infant growth, development, and health but are beyond our current “in house” capabilities. Access to the samples, contingent on formalized collaborative agreements, also includes access to longitudinal maternal and infant morphometrics, proximate milk composition values, and behavioral composite z-scores, for analyses in conjunction with the archived milk samples.

## PRE-ACADEMIC WORK History (selected)

- 1999-2001 Research Technologist, Washington National Primate Research Center  
Responsibilities: Surgical procedure assistance, perform x-ray imaging, DXA imaging, write and edit research protocols, organize research data, train new employees, medical supply inventory, clinical coverage, blood draws, research procedure assistance, instrument sterilization, conducted diurnal behavioral and physiological assessments of adult and infant primates including BSL 2/3.
- 1995-1997 Kitchen Staff, Vashon Community Care, Elderly Care Facility for Mentally and Physically Disabled Patients  
Responsibilities: Meal prep and delivery, dishwashing, sanitation, patient interaction