

DAVID ANDREW PUTS

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EDUCATION AND TRAINING

2004-2007 Postdoctoral, Neuroscience Program, Michigan State University, East Lansing, MI
2004 Ph.D., Biological Anthropology, University of Pittsburgh, Pittsburgh, PA
1998 M.A., Biological Anthropology, University of Pittsburgh, Pittsburgh, PA
1995 B.A., Honors Anthropology, Mathematics minor, Kenyon College, Gambier, OH

ACADEMIC AND RESEARCH APPOINTMENTS

2013-present Associate Professor, Pennsylvania State University, Department of Anthropology and Center for Behavior, Brain, and Cognition
Co-funded by the Penn State Children, Youth and Families Consortium
2007-2013 Assistant Professor, Pennsylvania State University, Department of Anthropology
Co-funded by the Penn State Children, Youth and Families Consortium
2004-2007 Postdoctoral Fellow, Michigan State University, Neuroscience Program
2002-2003 Senior Researcher, University of Pittsburgh Medical School, Department of Psychiatry, Department of Translational Neuroscience
2000-2002 Instructor, University of Pittsburgh Medical School, Department of Neurobiology
1999-2004 Instructor, University of Pittsburgh College of Arts and Sciences, Departments of Anthropology and Freshman Studies
1997-2001 Teaching Assistant/Teaching Fellow, University of Pittsburgh College of Arts and Sciences, Departments of Anthropology, Biological Sciences, Psychology, and Sociology

GRANTS

EXTRAMURAL

In prep. NIH R03, "Psychological Effects of the Timing of Hormone Replacement Therapy in Individuals with Congenital Hypogonadotropic Hypogonadism", PI
2013-2015 American Institute of Bisexuality (AIB), "Dopamine-related genotypes and bisexuality: A candidate gene study of sexual orientation", PI with Gerulf Rieger and Mark Shriver (\$59,000)
2012-2014 NSF SBE Minority Postdoctoral Research Fellowships and Follow-up Research Starter Grants (MPRF) awarded to Rodrigo Cárdenas, "The Cognitive Basis of Individual Differences in Interest in Infants" (\$120,000), Co-sponsor
2010-2015 American Institute of Bisexuality (AIB), "Sexual Psychology, Behavior, and Timing of Pubertal Sex Hormone Exposure" (\$96,960), PI
2008-2011 National Institute of Justice (NIJ) Forensic DNA Research and Development grant, "Identifying and Communicating Genetic Determinants of Facial Features: Practical Considerations in Forensic Molecular Photofitting" 2008-DN-BX-K125 (\$500,000), Co-PI with Mark Shriver 2008-2009, PI 2010-2011
2008-2010 NIH Pediatric LRP award, "The timing of pubertal sex steroid exposure: effects on cognition, depression, and substance abuse" (\$10,000), PI

- 2006-2008 NIH Pediatric LRP award, “A Mouse Model for the Effects of Older Brothers on Autism Spectrum Disorders” (\$20,000), PI
 2005 NIMH T32 MH70343-05 fellowship, “Integrative Neurobiology of Social Processes” (\$37,000)

INTRAMURAL

- 2015 Submitted: Penn State Center for Human Evolution and Diversity proposal: “Are human Sexually Dimorphic Traits Affected by Variation in Y-Chromosomal Ampliconic Gene Copy Number?” (with Kateryna Makova, Mark Shriver, Michael DeGiorgio, Paul Medvedev, and Francesca Chiaromonte (\$20,000), Co-PI
 2011 Penn State College of Liberal Arts award for successful funding of NSF Graduate Research Fellowship application (\$2000)
 2010 Penn State Social Science Research Institute, Level II Funding proposal: “Pubertal Timing and Psychosexual Differentiation” (\$15,400)
 2009 Interdisciplinary Group program, Institute for the Arts and Humanities, Penn State University, “Sexuality and Gender: Controversies in Contemporary Life and Scholarship” (with Robert Caserio, Christopher Castiglia, Zachary Kramer, Christopher Reed, Susan Russell, and Carolyn Sachs) (\$15,000)
 2008 Rock Institute of Ethics, Penn State University (\$3000)
 2003-2004 Full-time Dissertation Study Scholarship, University of Pittsburgh
 1998-2000 Teaching Fellowship, University of Pittsburgh
 1991-1995 Kenyon Scholarship

HONORS AND AWARDS

- 2013 Early Career Award for Distinguished Scientific Contribution, Human Behavior and Evolution Society
 2011 Margo Wilson Award for best paper published in *Evolution and Human Behavior* in 2010, “Beauty and the beast: Mechanisms of sexual selection in humans”, Human Behavior and Evolution Society (\$1500)
 2006 Elected Member, International Academy of Sex Research
 2004 New Investigator Award for best paper by a graduate student, Human Behavior and Evolution Society (\$500)
 2000 Dean’s letter of commendation for positive interaction with students, University of Pittsburgh
 1995 United States Track Coaches Association Academic All-American
 1993-1995 Kenyon College Certificates of Merit for Outstanding Leadership and Contributions to Campus Life

MEMBERSHIPS (MAY NOT BE CURRENT)

- 2007- Association for Psychological Science
 2006- International Academy of Sex Research
 2005- Society for Behavioral Neuroendocrinology
 2003- Society for Neuroscience
 2000- American Association of Physical Anthropologists
 1997- Human Behavior and Evolution Society

PUBLICATIONS AND PRESENTATIONS

WORKS IN PROGRESS (AT LEAST AT DRAFT STAGE)

1. Escasa-Dorne and **Puts, D.A.** Lactation and women's preferences for masculine voices in Manila, Philippines.
2. Bundy, J.N. and **Puts, D.A.** Total sexual selection on men's voices.
3. **Puts, D.A.**, Bailey, D.H., McKinnon, L., Liu, R., and Walker, R.S. The dimensionality of the mating environment influences the evolution of contest competition.
4. Goetz, S.M.M., Zilioli, S., Jagore, J., and **Puts, D.A.** Voice of a fighter: Acoustic cues of formidability.

BOOKS

1. **Puts, D.A.** (2003). *Human Sexuality: A Holistic Approach*. Dubuque, Iowa: Kendall/Hunt.
Revised as **Puts, D.A.** (2009). *The Evolution of Human Sexuality: An Anthropological Perspective, 2nd ed.* Dubuque, Iowa: Kendall/Hunt.

JOURNAL ARTICLES

1. Krems, J.A., Neel, R., Neuberg, S.L., **Puts, D.A.**, and Kenrick, D.T. (submitted). Women selectively guard their (desirable) mates from ovulating women. *Journal of Personality and Social Psychology*.
2. **Puts, D.A.**, Hill, A.K., Bailey, D.H., Walker, R.S., Rendall, D., Wheatley, J.R., Welling, L.L.M., Dawood, K., Cárdenas, R.A., Jablonski, N.G., Shriver, M.D., Weiss, D., Lameira, A.R., Apicella, C.L., Owren, M.J., Barelli, C., Glenn, M.E., and Ramos-Fernandez, G. (revise and resubmit). Sexual selection on male vocal fundamental frequency in humans and other anthropoids. *Proceedings of the Royal Society B: Biological Sciences*.
3. Necka, E.A., **Puts, D.A.**, Dimitroff, S.J., and Norman G.J. (revise and resubmit). Playing to win: Other women's fertility moderates female resource distribution across the menstrual cycle. *Evolution and Human Behavior*.
4. **Puts, D.A.** (2016). Human sexual selection. *Current Opinion in Psychology*. 7: 28-32.
<http://dx.doi.org/doi:10.1016/j.copsyc.2015.07.011>
5. Halley, A., Boretsky, M., **Puts, D.A.**, and Shriver, M.D. (in press). Self-reported sexual behavioral interests and polymorphisms in the dopamine receptor D4 (DRD4) exon III VNTR in heterosexual young adults of European descent. *Archives of Sexual Behavior*.
<http://dx.doi.org/doi:10.1007/s10508-015-0646-6>
6. Bailey, D.H., **Puts, D.A.**, Breedlove, S.M. (in revision). Sex hormones and finger lengths: A new analytical approach.
7. Gangestad, S.W., Haselton, M.G., Welling, L.L.M., Gildersleeve, K., Pillsworth, E.G., Burriss, R.P., Larson, C.M., and **Puts, D.A.** (in press). How valid are assessments of conception probability in ovulatory cycle research? Evaluations, recommendations, and theoretical implications. *Evolution and Human Behavior*. <http://dx.doi.org/10.1016/j.evolhumbehav.2015.09.001>
8. Doll, L. M., Cárdenas, R.A., Burriss, R.P., and **Puts, D.A.** (2015). Sexual selection and life history: Earlier recalled puberty predicts men's phenotypic masculinization. *Adaptive Human Behavior and Physiology*. <http://dx.doi.org/doi:10.1007/s40750-015-0031-7>
9. Gonzalez-Santoyo, I., Wheatley, J.R., Welling, L.L.M., Cárdenas, R.A., Dawood, K., and **Puts, D.A.** (2015). The face of female dominance: Women with dominant faces have lower cortisol. *Hormones and Behavior*. 71: 16-21. <http://dx.doi.org/10.1016/j.yhbeh.2015.03.006>

10. **Puts, D.A.**, Pope, L.E., Hill, A.K., Cárdenas, R.A., Welling, L.L.M., Wheatley, J.R., and Breedlove, S.M. (2015). Fulfilling Desire: Evidence for negative feedback between men's testosterone, sociosexual psychology, and sexual partner number. *Hormones and Behavior*. 70: 14-21. <http://dx.doi.org/10.1016/j.yhbeh.2015.01.006>
11. Li, Y., Bailey, D.H., Winegard, B., **Puts, D.A.**, Welling, L.L.M., Geary, D.C. (2014). Women's preference for masculine traits is disrupted by images of male-on-female aggression. *PLoS ONE*. 9(10): e110497. <http://dx.doi.org/10.1371/journal.pone.0110497>
12. Hodges-Simeon, C.R., Gurven, M., **Puts, D.A.**, and Gaulin, S.J.C. (2014). Vocal fundamental and formant frequencies are honest signals of threat potential in adolescent males. *Behavioral Ecology*. 25(4): 984-988. <http://dx.doi.org/10.1093/beheco/aru081>
13. Wheatley, J.R., Apicella, C.L., Burriss, R.P., Cárdenas, R.A., Bailey, D.H., Welling, L.L.M., **Puts, D.A.** (2014). Women's faces and voices are fertility cues in foraging and industrial societies. *Evolution and Human Behavior*. 35(4): 264-271. <http://dx.doi.org/10.1016/j.evolhumbehav.2014.02.006>
14. Doll, L.M., Hill, A.K., Cárdenas, R.A., Welling, L.L.M., Wheatley, J.R., **Puts, D.A.** (2014). How well do men's faces and voices index mate quality and dominance? *Human Nature: An Interdisciplinary Biosocial Perspective*. 25(2): 200-212. <http://dx.doi.org/10.1007/s12110-014-9194-3>
15. Claes, P., Liberton, D., Daniels, K., Matthes Rosana, K., Quillen, E., Pearson, L., McEvoy, B., Bauchet, M., Zaidi, A.A., Yao, W., Tang, H., Barsh, G., Absher, D.M., **Puts, D.A.**, Rocha, J., Beleza, S., Pereira, R.W., Baynam, G., Suetens, P., Vandermeulen, D., Wagner, J.K., Boster, J., and Shriver, M.D. (2014). Modeling 3D facial shape from DNA. *PLOS Genetics*. 10(3): e1004224. <http://dx.doi.org/10.1371/journal.pgen.1004224>
16. Bossio, J., Suschinsky, K., **Puts, D.A.**, Chivers, M. (2014). Does menstrual cycle phase influence the gender specificity of heterosexual women's genital and subjective sexual arousal? *Archives of Sexual Behavior*. 43(5): 941-952. <http://dx.doi.org/10.1007/s10508-013-0233-7>
[Best student manuscript award, Annual Meeting of the International Academy of Sex Research, 2013]
17. **Puts, D.A.** and Pope, L.M. (2013). Moderators, Mates, and Matchmakers: Effects of oral contraceptives on sexual desire may also depend on partners' behavior and the role of female choice. *Archives of Sexual Behavior*. 42(8): 1379-1380. <http://dx.doi.org/10.1007/s10508-013-0165-2>
18. Kempe, V., **Puts, D.A.**, and Cárdenas, R.A. (2013). More masculine men articulate less clearly. *Human Nature: An Interdisciplinary Biosocial Perspective*. 24(4): 461-475. <http://dx.doi.org/10.1007/s12110-013-9183-y>
19. Hill, A.K., Hunt, J., Welling, L.L.M., Wheatley, J.R., Cárdenas, R.A., Rotella, M.A., Dawood, K., Mark D.Shriver, and **Puts, D.A.** (2013). Quantifying the strength and form of sexual selection on men's traits. *Evolution and Human Behavior*. 34(5): 334-341. <http://dx.doi.org/10.1016/j.evolhumbehav.2013.05.004>
20. Welling, L.L.M., Singh, K.W., **Puts, D.A.**, Jones, B.C., Burriss, R.P. (2013). Self-reported sexual desire in homosexual men and women predicts preferences for sexually dimorphic facial cues. *Archives of Sexual Behavior*. 42(5): 785-791. <http://dx.doi.org/10.1007/s10508-012-0059-8>
21. **Puts, D.A.**, Bailey, D.H., Cárdenas, R.A., Burriss, R.P., Welling, L.L.M., Wheatley, J.R., and Dawood, K. (2013). Women's attractiveness changes with estradiol and progesterone across the ovulatory cycle. *Hormones and Behavior*. 63(1): 13-19. <http://dx.doi.org/10.1016/j.yhbeh.2012.11.007>

22. Welling, L.L.M., Persola, L., Wheatley, J.R., Cárdenas, R.A., and **Puts, D.A.** (2013). Competition and men's face preferences. *Personality and Individual Differences*. 54(3): 414-419. <http://dx.doi.org/10.1016/j.paid.2012.10.014>
23. Deaner, R.O., Geary, D.C., **Puts, D.A.**, Ham, S.A., Kruger, J., Fles, E., Winegard, B., and Grandis, T. (2012). A sex difference in the predisposition for physical competition: Males play sports much more than females even in the contemporary U.S. *PLoS ONE*. 7(11): e49168. <http://dx.doi.org/10.1371/journal.pone.0049168>
24. Claes, P.M., Walters, M.D., Shriver, M.D., **Puts, D.A.**, Gibson, G., Clement, J.G., Baynam, G., Verbeke, G., Vandermeulen, D., and Suetens, P. (2012). Sexual Dimorphism in multiple aspects of 3D facial symmetry and asymmetry defined by spatially-dense geometric morphometrics. *Journal of Anatomy*. 221(2): 97-114. <http://dx.doi.org/10.1111/j.1469-7580.2012.01528.x>
25. **Puts, D.A.**, Dawood, K., and Welling, L.L.M. (2012). Why women have orgasms: An evolutionary analysis. *Archives of Sexual Behavior*. 41(5): 1127–1143. <http://dx.doi.org/10.1007/s10508-012-9967-x>
26. **Puts, D.A.**, Jones, B.C., and DeBruine, L.M. (2012). Sexual selection on human faces and voices. *Journal of Sex Research* 49 (2-3): 227-243. <http://dx.doi.org/10.1080/00224499.2012.658924>
27. Welling, L.L.M., **Puts, D.A.**, Roberts, S.C., Little, A.C., Burriss, R.P. (2012). Hormonal contraceptive use and mate retention behavior in women and their male partners. *Hormones and Behavior*. 61(1): 114–120. <http://dx.doi.org/10.1016/j.yhbeh.2011.10.011>
28. **Puts, D.A.**, Apicella, C.L., and Cardenas, R.A. (2012). Masculine voices are honest signals of men's threat potential in foraging and industrial societies. *Proceedings of the Royal Society B: Biological Sciences* 279(1728): 601-609. <http://dx.doi.org/10.1098/rspb.2011.0829>
29. **Puts, D.A.**, Welling, L.L.M., Burriss, R.P., and Dawood, K. (2012). Men's masculinity and attractiveness predict their female partners' reported orgasm frequency and timing. *Evolution and Human Behavior* 33(1): 1-9. <http://dx.doi.org/10.1016/j.evolhumbehav.2011.03.003>
30. Burriss, R.P., Welling, L.L.M., **Puts, D.A.** (2011). Mate-preference drives mate-choice: Men's self-rated masculinity predicts their female partner's preference for male facial masculinity. *Personality and Individual Differences* 51(8): 1023-1027. <http://dx.doi.org/10.1016/j.paid.2011.08.018>
31. Burriss, R.P., Roberts, S.C., Welling, L.L.M., **Puts, D.A.**, and Little, A.C. (2011). Heterosexual romantic couples mate assortatively for facial symmetry, but not masculinity. *Personality and Social Psychology Bulletin* 37(5): 601-613. <http://dx.doi.org/10.1177/0146167211399584>
32. Burriss, R.P., Welling, L.L.M., **Puts, D.A.** (2011). Men's attractiveness predicts their preference for female facial femininity when judging for short-term, but not long-term, partners. *Personality and Individual Differences* 50(5): 542-546. <http://dx.doi.org/10.1016/j.paid.2010.11.022>
33. Welling, L.L.M., Burriss, R.P., and **Puts, D.A.** (2011). Mate retention behavior modulates men's preferences for self-resemblance in infant faces. *Evolution and Human Behavior* 32(2): 118-126. <http://dx.doi.org/10.1016/j.evolhumbehav.2010.11.001>
34. Hodges-Simeon, C.R., Gaulin, S.J.C., and **Puts, D.A.** (2011). Voice correlates of mating success in men: Examining “contests” vs. “mate choice” modes of sexual selection. *Archives of Sexual Behavior* 40(3): 551-557. <http://dx.doi.org/10.1007/s10508-010-9625-0>
35. **Puts, D.A.**, Barndt, J.L., Welling, L.L.M., Dawood, K., and Burriss, R.P. (2011). Intrasexual competition among women: Vocal femininity affects perceptions of attractiveness and flirtatiousness. *Personality and Individual Differences* 50(1): 111-115. <http://dx.doi.org/10.1016/j.paid.2010.09.011>

36. Hodges-Simeon, C.R., Gaulin, S.J.C., and **Puts, D.A.** (2010). Different vocal parameters predict perceptions of dominance and attractiveness. *Human Nature: An Interdisciplinary Biosocial Perspective* 21(4): 406-427. <http://dx.doi.org/10.1007/s12110-010-9101-5>.
37. Wolff, S.E. and **Puts, D.A.** (2010). Vocal masculinity is a robust dominance signal in men. *Behavioral Ecology and Sociobiology* 64(10): 1673-1683. <http://dx.doi.org/10.1007/s00265-010-0981-5>
38. **Puts, D.A.**, Cardenas, R.A., Bailey, D.H., Burriss, R.P., Jordan, C.L., and Breedlove, S.M. (2010). Salivary testosterone does not predict mental rotation performance in men or women. *Hormones and Behavior* 58(2): 282-289. <http://dx.doi.org/10.1016/j.yhbeh.2010.03.005>
39. **Puts, D.A.** (2010). Beauty and the beast: Mechanisms of sexual selection in humans. *Evolution and Human Behavior* 31(3): 157-175. <http://dx.doi.org/10.1016/j.evolhumbehav.2010.02.005>
[Margo Wilson Award for best paper published in *Evolution and Human Behavior*, 2011]
40. Grimbos, T., Dawood, K., Burriss, R.P., Zucker, K.J., **Puts, D.A.** (2010). Sexual orientation and the 2nd to 4th finger length ratio: A meta-analysis in men and women. *Behavioral Neuroscience* 124(2): 278-287. <http://dx.doi.org/10.1037/a0018764>
41. Zuloaga, D.G., **Puts, D.A.**, Jordan, C.L., and Breedlove, S.M. (2008). The role of androgen receptors in the masculinization of brain and behavior: What we've learned from the testicular feminization mutation. *Hormones and Behavior* 53(5): 613-626. <http://dx.doi.org/10.1016/j.yhbeh.2008.01.013>
42. **Puts, D.A.**, McDaniel, M.A., Jordan, C.L., and Breedlove, S.M. (2008). Spatial ability and prenatal androgens: Meta-analyses of congenital adrenal hyperplasia and digit ratio (2D:4D) studies. *Archives of Sexual Behavior*, 37(1): 100-111. <http://dx.doi.org/10.1007/s10508-007-9271-3>
43. Martin, J., **Puts, D.A.**, and Breedlove, S.M. (2008). Hand asymmetry in heterosexual and homosexual men and women: Relationship to 2D:4D digit ratios and other sexually dimorphic anatomical traits. *Archives of Sexual Behavior*, 37(1): 119-132. <http://dx.doi.org/10.1007/s10508-007-9279-8>
44. **Puts, D.A.**, Hodges, C.R., Cárdenas, R.A., and Gaulin, S.J.C. (2007). Men's voices as dominance signals: Vocal fundamental and formant frequencies influence dominance attributions among men. *Evolution and Human Behavior*, 28(5): 340-344. <http://dx.doi.org/10.1016/j.evolhumbehav.2007.05.002>
45. **Puts, D.A.** (2007). Of bugs and boojums: Female orgasm as a facultative adaptation. *Archives of Sexual Behavior*, 36(3): 337-339. <http://dx.doi.org/10.1007/s10508-007-9209-9>
46. **Puts, D.A.**, Jordan, C.L., and Breedlove, S.M. (2006). Defending the brain from estrogen. *Nature Neuroscience*, 9(2): 155-156. <http://dx.doi.org/10.1038/nn0206-155>
47. **Puts, D.A.**, Gaulin, S.J.C., and Verdolini, K. (2006). Dominance and the evolution of sexual dimorphism in human voice pitch. *Evolution and Human Behavior*, 27(4): 283-296. <http://dx.doi.org/10.1016/j.evolhumbehav.2005.11.003>
48. **Puts, D.A.**, Jordan, C.L., and Breedlove, S.M. (2006). O Brother, where art thou? The fraternal birth order effect on male sexual orientation. *Proceedings of the National Academy of Sciences of the USA*, 103(28): 10531-10532. <http://dx.doi.org/10.1073/pnas.060410210>
49. **Puts, D.A.** and Dawood, K. (2006). The evolution of female orgasm: Adaptation or byproduct? *Twin Research and Human Genetics*, 9(3): 467-472. <http://dx.doi.org/10.1375/twin.9.3.467>
50. **Puts, D.A.** (2006). And hast thou slain the Jabberwock? Response to Wallen. *Archives of Sexual Behavior*, 35(6): 637-639. <http://dx.doi.org/10.1007/s10508-006-9095-6>
51. **Puts, D.A.** (2006). Cyclic variation in women's preferences for masculine traits: Potential hormonal causes. *Human Nature: An Interdisciplinary Biosocial Perspective*, 17(1): 114-127. <http://dx.doi.org/10.1007/s12110-006-1023-x>

52. **Puts, D.A.** (2005). Mating context and menstrual phase affect female preferences for male voice pitch. *Evolution and Human Behavior*, 26(5): 388-397.
[New Investigator Award, Human Behavior and Evolution Society, 2004]
53. Weinberg S.M., **Puts, D.A.**, Mooney M.P., and Siegel M.I. (2005). Evaluation of non-metric variation in the crania of black and white perinates. *Forensic Science International*, 151(2-3): 177-185. <http://dx.doi.org/10.1016/j.forsciint.2005.02.009>
54. **Puts, D.A.**, Gaulin, S.J.C., Sporter, R.J., and McBurney, D.H. (2004). Sex hormones and finger length: What does 2D:4D indicate? *Evolution and Human Behavior*, 25(3): 182-199.
<http://dx.doi.org/10.1016/j.evolhumbehav.2004.03.005>
55. **Puts, D.A.**, Weinberg, S.M., Smith, T.D., Burrows, A.M., Cooper, G.M., Losken, H.W., Siegel, M.I., and Mooney, M.P. (2002). Coronal suturectomy does not cause acute postoperative displacement in the cranial bases of craniostenotic rabbits. *Journal of Craniofacial Surgery*, 13(2): 196-201.
56. **Puts, D.A.**, Mooney, M.P., Smith, T.D., Burrows, A.M., Cooper, G.M., Dechant, J., Losken, H.W., and Siegel, M.I. (2002). Cranial base changes following coronal suturectomy in craniostenotic rabbits. *Orthodontics and Craniofacial Research*, 5(2): 90-103. <http://dx.doi.org/10.1034/j.1600-0544.2002.01178.x>

BOOK CHAPTERS AND PARTS OF BOOKS

- Hill, A. K., Bailey, D.H. and **Puts, D.A.** (in preparation). Human sexual dimorphism and intrasexual selection in men. In: *On Human Nature: Biology, Psychology, Ethics, Politics, and Religion*. Tibayrenc, M. and Ayala, F.J., eds. Elsevier.
- Puts, D.A.** (2016). Speaking of which... In: *The Missing Lemur Link: An Ancestral Step in the Evolution of Human Behaviour*. Norscia, I. and Palagi, E., eds. Cambridge University Press.
- Puts, D.A.**, Bailey, D.H., and Reno, P. (2015). Contest competition in men. In: *The Handbook of Evolutionary Psychology, 2nd ed.* Buss, D.M. ed. Wiley and Sons, pp.385-402.
- Wheatley, J.R. and **Puts, D.A.** (2015). Evolutionary science of female orgasm. In: *The Evolution of Sexuality*, Shackelford, T.K. and Hansen, R.D., eds. Springer, pp.123-148.
http://dx.doi.org/10.1007/978-3-319-09384-0_7
- Welling, L.L.M. and **Puts, D.A.** (2014). Female adaptations to ovulation. In: *Evolutionary Perspectives on Human Sexual Psychology and Behavior*, Weekes-Shackelford, V. and Shackelford, T.K., eds. Springer, pp.243-260.
http://dx.doi.org/10.1007/978-1-4939-0314-6_13
- Puts, D.A.**, Doll, L.M., and Hill, A.K. (2014). Sexual selection on human voices. In: *Evolutionary Perspectives on Human Sexual Psychology and Behavior*, Weekes-Shackelford, V. and Shackelford, T.K., eds. Springer, pp.69-86.
http://dx.doi.org/10.1007/978-1-4939-0314-6_3
- Hill, A.K., Dawood, K. and **Puts, D.A.** (2013). Biological foundations of sexual orientation. In: *Handbook of Psychology and Sexual Orientation*, Patterson, C.J. and D'Augelli, A.R., eds. Oxford, UK: Oxford University Press, pp.55-68.
- Puts, D.A.** and Dawood, K. (2012). Is female orgasm a covert mate choice mechanism? In: *Oxford Handbook of Sexual Conflict in Humans*, Shackelford, T.K. and Goetz, A., eds. Oxford, UK: Oxford University Press, pp.184-201.
- Dawood, K. and **Puts, D.A.** (2008). Genetics and development of human sexual orientation. In: *ULGBTQ America Today*, J.C. Hawley (ed.). Westport, Connecticut: Greenwood Press, pp.469-477.

10. **Puts, D.A.**, Gaulin, S.J.C., and Breedlove, S.M. (2007). Sex differences in spatial cognition: Evolution, hormones, and the brain. In: *Evolutionary Cognitive Neuroscience*, S.M. Platek, J.P. Keenan, and T.K. Shackelford, eds. Cambridge, Massachusetts: MIT Press, pp.329-379.
11. **Puts, D.A.** (2003). Toward holism in anthropology. In: *Human Sexuality: A Holistic Approach*, D.A. Puts, ed. Dubuque, Iowa: Kendall/Hunt, pp.2-14.
Revised as: **Puts, D.A.** (2009). An integrated approach to anthropology. In: *The Evolution of Human Sexuality: An Anthropological Perspective, 2nd ed.*, D.A. Puts, ed. Dubuque, Iowa: Kendall/Hunt, pp.2-14.
12. Gaulin, S.J.C. and **Puts, D.A.** (2003). Adaptation and natural selection. In: *Human Sexuality: A Holistic Approach*, D.A. Puts, ed. Dubuque, Iowa: Kendall/Hunt, pp.22-38.
Revised in: **Puts, D.A.** (2009). *The Evolution of Human Sexuality: An Anthropological Perspective, 2nd ed.* Dubuque, Iowa: Kendall/Hunt, pp.22-38.
13. **Puts, D.A.** (2003). Sex, sexes and hermaphroditism. In: *Human Sexuality: A Holistic Approach*, D.A. Puts, ed. Dubuque, Iowa: Kendall/Hunt, pp.48-53.
Revised in: **Puts, D.A.** (2009). *The Evolution of Human Sexuality: An Anthropological Perspective, 2nd ed.* Dubuque, Iowa: Kendall/Hunt, pp.61-79.
14. **Puts, D.A.** (2003). Sexual conflict and male aggression toward women. In: *Human Sexuality: A Holistic Approach*, D.A. Puts, ed. Dubuque, Iowa: Kendall/Hunt, pp.186-197.
Revised in: **Puts, D.A.** (2009). *The Evolution of Human Sexuality: An Anthropological Perspective, 2nd ed.* Dubuque, Iowa: Kendall/Hunt, pp.200-211.
15. **Puts, D.A.** (2003). The ontogeny and evolution of homosexuality. In: *Human Sexuality: A Holistic Approach*, D.A. Puts, ed. Dubuque, Iowa: Kendall/Hunt, pp.223-235.
Revised in: **Puts, D.A.** (2009). *The Evolution of Human Sexuality: An Anthropological Perspective, 2nd ed.* Dubuque, Iowa: Kendall/Hunt, pp.237-249.
16. **Puts, D.A.** (2003). An evolutionary look at marriage and parenthood. In: *Human Sexuality: A Holistic Approach*, D.A. Puts, ed. Dubuque, Iowa: Kendall/Hunt, pp.261-274.
Revised in: **Puts, D.A.** (2009). *The Evolution of Human Sexuality: An Anthropological Perspective, 2nd ed.* Dubuque, Iowa: Kendall/Hunt, pp.275-288.

BOOK REVIEWS

1. **Puts, D.A.** (2014). Review of *Evolution and Human Sexual Behavior*, Gray, P.B. and Garcia, J.R. Cambridge, Massachusetts: Harvard University Press, 2013. *Quarterly Review of Biology*, 89 (3): 263-264.
2. **Puts, D.A.** (2010). The psychologic gambit declined – A review of *Endocrinology of Social Relationships*, Ellison, P.T. and Gray, P.B. (Eds.). Cambridge, Massachusetts: Harvard University Press, 2009. *Evolution and Human Behavior*, 31 (4): 306-308.
<http://dx.doi.org/10.1016/j.evolhumbehav.2009.12.006>
3. Wolff, S. and **Puts, D.A.** (2009). Book review: *Sex Differences: Summarizing More Than a Century of Scientific Research*, by L. Ellis, S. Hershberger, E. Field, S. Wesinger, S. Pellis, D. Geary, C. Palmer, K. Hoyenga, A. Hetsroni, and K. Karadi. New York: Psychology Press, 2008. *Archives of Sexual Behavior*, 38 (6): 1070-1072. <http://dx.doi.org/10.1007/s10508-009-9538-y>
4. **Puts, D.A.** (2007). Arousing Imaginations: Review of *The Handbook of the Evolution of Human Sexuality*, M.R. Kauth (ed.). Binghamton, NY: Haworth Press, 2005. *Evolutionary Psychology*, 5 (4): 778-785.

5. **Puts, D.A.** (2006). Book review: *The Case of Female Orgasm: Bias in the Science of Evolution*, by E.A. Lloyd. Cambridge, Massachusetts: Harvard University Press, 2005. *Archives of Sexual Behavior*, 35 (1): 103-108. <http://dx.doi.org/10.1007/s10508-006-9000-3>

PUBLISHED ABSTRACTS

1. Wheatley, J., Apicella, C., Bailey, D., Burriss, R. and **Puts, D.** (2013). Women's voices signal fertility in industrial and foraging populations. *Homo—Journal of Comparative Human Biology*, 64(2): 161.
2. Shriver, M.D., Liberton, D., Matthes, K., Boster, J. and **Puts, D.A.** (2009). Genetics, selection, perception and the human face. *American Journal of Physical Anthropology*, 138 (Supplement 48): 239.
3. Liberton, D.K., Pereira, R.W., Frudakis, T., **Puts, D.A.**, Shriver, M.D. (2009). Fluctuating asymmetry in the face is negatively correlated with genetic ancestry. *American Journal of Physical Anthropology*, 138: Supplement 48.
4. **Puts, D.A.**, McDaniel, M.A., Jordan, C.L., and Breedlove, S.M. (2005). Prenatal androgens and spatial ability in humans: Meta-analyses of CAH and 2D:4D studies. *Hormones and Behavior*, 48 (1): 121.
5. Weinberg, S.M., **Puts, D.A.**, Mooney, M.P., and Siegel, M.I. (2002). Nonmetric population variation in perinatal human skulls. *American Journal of Physical Anthropology*, Supplement 34: 162.
6. **Puts, D.A.**, Mooney, M.P., Smith, T.D., Burrows, A.M., Cooper, G.M., Dechant, J., Losken, H.W., and Siegel, M.I. (2000). Growth of the cranial base in craniostotic rabbits following coronal suturectomy. *American Journal of Physical Anthropology*, Supplement 30: 255-256.
7. Mooney, M.P., **Puts, D.A.**, Smith, T.D., Burrows, A.M., Cooper, G.M., Dechant, J., Losken, H.W., and Siegel, M.I. (2000). Cranial base changes following coronal suturectomy in craniostotic rabbits. *Journal of Dental Research*, (Special Issue): 323.

ORAL AND POSTER PRESENTATIONS

1. Necka, E.A., Van Hedger, K., Faig, K.E., Dimitroff, S.J., **Puts, D.A.**, Norman, G.J. Fertile women exhibit an attentional bias toward the faces of other fertile women. Poster to be presented at the Annual Meeting of the Society for Social Neuroscience, Chicago, IL, October 2015.
2. **Puts, D.**, Hill, A., Wheatley, J., Welling, L., Dawood, K., Cárdenas, R., and Shriver, M. Hormonal evidence that men's voice pitch reveals underlying condition. Poster presented at the 27th annual meeting of the Human Behavior and Evolution Society, Columbia, MO, June 2015.
3. Krems, J.A., Neel, R., Neuberg, S.L., **Puts, D.A.**, and Kenrick, D.T. Women selectively and strategically guard their (desirable) mates from ovulating women. Oral presentation delivered at the 27th annual meeting of the Human Behavior and Evolution Society, Columbia, MO, June 2015.
4. Hill, A.K., Bailey, D.H., Walker, R.S., and **Puts, D.A.** Sexual selection favors low vocal pitch in humans and other anthropoid primates. Oral presentation delivered at the 27th annual meeting of the Human Behavior and Evolution Society, Columbia, MO, June 2015.
5. Doll, L.M., Cárdenas, R.A., Burriss, R.P., and **Puts, D.A.** Sexual selection and life history: Earlier recalled puberty predicts men's masculinity. Poster presented at the 9th Annual Meeting of the Northeastern Evolutionary Psychology Society, Boston, MA, April 2015.
6. Necka, E.A., **Puts, D.A.**, Dimitroff, S., and Norman, G.J. Playing to win: Other women's fertility moderates female resource distribution across the menstrual cycle. Oral presentation at the Social Neuroendocrinology Pre-Conference of the Society for Personality and Social Psychology, Long Beach, CA, February 2015.

7. Necka, E.A., **Puts, D.A.**, Dimitroff, S., and Norman, G.J. Playing to win: Other women's fertility moderates female resource distribution across the menstrual cycle. Poster presented at the Evolutionary Psychology Pre-Conference of the Society for Personality and Social Psychology, Long Beach, CA, February 2015.
8. Hodges-Simeon, C.R., Gurven, M., Cárdenas, R.A., **Puts D.A.**, and Gaulin, S.J.C. Using male voice change as a measure of pubertal timing yields insights into the evolutionary origins of male sexual dimorphism. Oral presentation at the 39th Annual Meeting of the Human Biology Association. Calgary, Canada, April 2014.
9. Chivers, M.L. and **Puts, D.A.** Effects of menstrual cycle phase, testing order, and exposure to sexual stimuli on testosterone, estradiol, and progesterone responses in heterosexual women. Poster presented at the Annual meeting of the International Academy of Sex Research, Chicago, IL, August 2013.
10. Halley, D., Boretsky, M., **Puts, D.**, and Shriver, M. Human sexual behavioral preferences and polymorphisms in the dopamine receptor D4 (*DRD4*) exon 3 VNTR. Poster presented at the International Society for Human Ethology Summer Institutes, Ann Arbor, MI, August 2013. **[Best Poster Award, International Society for Human Ethology Summer Institutes, 2013]**
11. Bundy, J.N. and **Puts, D.A.** Total sexual selection on male voices. Poster presented at Evolution 2013 (annual joint meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists), Snowbird, UT, June 2013.
12. **Puts, D.A.**, Pope, L.E., Hill, A.K., Cárdenas, R.A., and Welling, L.L.M. Evidence for negative feedback between testosterone and men's copulatory success: Sociosexuality, sexual variety and men's testosterone. Poster presented at the 7th Annual Meeting of the Northeastern Evolutionary Psychology Society, Annville, PA, May 2013.
13. Wheatley, J.R., Matz, A.P., Welling, L.L.M., Cárdenas, R.A., Dawood, K., Hill, A.K., and **Puts, D.A.** Women's orgasm quality and their perceptions of their mates: support for the pair-bond hypothesis. Oral presentation at the 7th Annual Meeting of the Northeastern Evolutionary Psychology Society, Annville, PA, May 2013.
14. Doll, L.M., Hill, A.K., Rotella, M.A., Cárdenas, R.A., Welling, L.L.M., Wheatley, J.R., and **Puts, D.A.** How well do men's faces and voices index mate quality and dominance? Poster presented at the 7th Annual Meeting of the Northeastern Evolutionary Psychology Society, Annville, PA, May 2013.
15. Wheatley, J.R., Apicella, C.A., Burriss, R.P., Cárdenas, R.A., Bailey, D.A., Welling, L.L.M., and **Puts, D.A.** Women's voices and faces signal fertility in industrial and foraging populations. Oral presentation at the 26th Annual Australasian Society for Human Biology Conference, December 2012.
16. Shriver, M.D., Claes, P., Liberton, D., Matthes Rosana, K., Quillen, E., Pearson, L., McEvoy, B., Bauchet, M., Tang, H., Barsh, G., Absher, D.M., **Puts, D.A.**, Rocha, J., Beleza, S., Pereira, R.W., Wagner, J.K., and Boster, J. Modeling 3D facial shape in relation to sex and genomic ancestry estimated from DNA. Paper to be presented at the 62nd Annual Meeting of the American Society of Human Genetics, San Francisco, CA, November 2012.
17. Hill, A.K., Welling, L.L.M., Wheatley, J.R., Cárdenas, R.A., Rotella, M.A., and **Puts, D.A.** Total sexual selection on men's voices. Oral presentation at the 24th Annual Meeting of the Human Behavior and Evolution Society, Albuquerque, NM, June 2012.
18. Wheatley, J.R., Apicella, C.L., Burriss, R.P., Cárdenas, R.A., Bailey, D.H., Welling, L.L.M., and **Puts, D.A.** Female mate quality predicts vocal attractiveness in industrial and foraging populations. Oral presentation at the 24th Annual Meeting of the Human Behavior and Evolution Society, Albuquerque, NM, June 2012.

19. Rieger, G., Stief, M., **Puts, D.A.**, and Savin-Williams, R.C. Two Routes to Bisexuality: Personality and Sexual Arousal. Oral presentation at the 24th Annual Meeting of the Human Behavior and Evolution Society, Albuquerque, NM, June 2012.
20. Welling, L.L.M., Lolla, L., Wheatley, J.R., Cárdenas, R.A., and **Puts, D.A.** Competition and men's face preferences. Poster presented at the 24th Annual Meeting of the Human Behavior and Evolution Society, Albuquerque, NM, June 2012.
21. Deaner, R.O., Geary, D.C., **Puts, D.A.**, Ham, S.A., Kruger, J., Fles, E., Winegard, B., and Grandis, T. A sex difference in the predisposition for physical competition: Males play sports much more than females even in the contemporary U.S. Presented at the Title IX at 40 Conference, Ann Arbor, MI, May 2012.
22. Deaner, R.O., Geary, D.C., **Puts, D.A.**, Ham, S.A., Kruger, J., Fles, E., Winegard, B., and Grandis, T. A sex difference in the predisposition for physical competition: Males play sports much more than females even in the contemporary U.S. Oral presentation at the Annual Convention of the Association for Psychological Science, Chicago, IL, May 2012.
23. Kempe, V., **Puts, D.A.**, and Cárdenas, R.A. More masculine men don't articulate as clearly. Poster presented at the Annual Meeting of the European Human Behaviour and Evolution Association, Durham, UK, March 2012.
24. Cárdenas, R.A., **Puts, D.A.**, Harris, L.J. The role of prenatal and circulating testosterone in the perceptual asymmetry of emotion. Emotion Pre-Conference to the Annual Meeting of the Society for Personality and Social Psychology, San Diego, CA, January, 2012.
25. Welling, L.L.M., **Puts, D.A.**, Roberts, S.C., Little, A.C., and Burriss, R.P. Hormonal contraceptive use and mate retention behavior in women and their male partners. Poster presented at the 23rd Annual Meeting of the Human Behavior and Evolution Society, Montpellier, France, July 2011.
26. **Puts, D.A.**, Apicella, C.L., and Cárdenas, R.A. Masculine voices signal men's threat potential in forager and industrial societies. Oral presentation at the 23rd Annual Meeting of the Human Behavior and Evolution Society, Montpellier, France, July 2011.
27. Hill, A.K. and **Puts, D.A.** What does a man's voice advertize? Poster presented at the 5th Annual Meeting of the NorthEastern Evolutionary Psychology Society, Binghamton, NY, April 2011.
28. **Puts, D.A.** and Barndt, J.L. Intersexual selection and human voices. Paper presented at the Annual Meeting of the International Academy of Sex Research, Prague, Czech Republic, July 2010.
29. **Puts, D.A.**, Barndt, J.L., Welling, L.L.M., Dawood, K., and Burriss, R.P. Sexual selection and women's voices. Poster presented at the 22nd Annual Meeting of the Human Behavior and Evolution Society, Eugene, OR, June 2010.
30. Hodges-Simeon, C.R., Gaulin, S.J.C., and **Puts, D.A.** The effect of fundamental frequency variation in men's voice on judgments of physical dominance and prestige. Poster presented at the 22nd Annual Meeting of the Human Behavior and Evolution Society, Eugene, OR, June 2010.
31. Welling, L.L.M., Burriss, R.P., and **Puts, D.A.** Preferences for self-resemblance in child face and mate retention tactics. Poster presented at the 22nd Annual Meeting of the Human Behavior and Evolution Society, Eugene, OR, June 2010.
32. Liberton, D.K., Matthes, K.A., McEvoy, B., Pereira, R., Frudakis, T., **Puts, D.A.**, and Shriver, M.D. Patterns of correlation between genetic ancestry and facial features suggest selection on females is driving differentiation. Poster presented at the 59th Annual Meeting of the American Society for Human Genetics, Honolulu, HI, October 2009.
33. **Puts, D.A.**, Grimbos, T., Dawood, K., and Zucker, K.J. Sexual orientation and 2D:4D in women and men: a meta-analysis. Poster presented at the annual meeting of the Society for Behavioral Neuroendocrinology, East Lansing, MI, June 2009.

34. Schreck, A.R., Hodges, C.R., Gaulin, S.J.C., and **Puts, D.A.** High pitched female voices sound more trustworthy to women. Poster presented at the 21st Annual Meeting of the Human Behavior and Evolution Society, Fullerton, CA, May 2009.
35. **Puts, D.A.** Beauty and the beast: mechanisms of sexual selection in humans. Oral presentation at the 21st Annual Meeting of the Human Behavior and Evolution Society, Fullerton, CA, May 2009.
36. Shriver, M.D., Liberton, D., Matthes, K., Boster, J. and **Puts, D.A.** Genetics, selection, perception and the human face. Oral presentation at the 78th annual meeting of the American Association of Physical Anthropologists, Chicago, IL, April 2009.
37. Liberton, D.K., Pereira, R.W., Frudakis, T., **Puts, D.A.**, Shriver, M.D. Fluctuating asymmetry in the face is negatively correlated with genetic ancestry. Poster presented at the 78th annual meeting of the American Association of Physical Anthropologists, Chicago, IL, April 2009.
38. Hodges, C.R., **Puts, D.A.**, and Gaulin, S.J.C. Dominance and attractiveness depend on different parameters in men's voices: relative effects of mean pitch and variance. Poster presented at the 107th Annual Meeting of the American Anthropological Association, San Francisco, CA, November 2008.
39. Hodges, C.R., **Puts, D.A.**, and Gaulin, S.J.C. Perceptions of dominance and attractiveness in male voices suggest functional specificity in signal attention. Oral presentation at the 2nd annual Evolution, Ecology, Mind, and Behavior conference in San Luis Obispo, CA, March 2008.
40. Hodges, C.R., **Puts, D.A.**, and Gaulin, S.J.C. Dominance and attractiveness depend on different parameters in men's voices: relative effects of pitch mean and variance. Poster presented at the Evolution and the Sociality of Mind conference, Santa Barbara, CA, February 2008.
41. **Puts, D.A.**, Blanchard, R., Cárdenas, R.A., Cantor, J.M., Jordan, C.L., and Breedlove, S.M. Earlier puberty predicts superior performance on male-biased visuospatial tasks in men but not women. Poster presented at the 33rd Annual Meeting of the International Academy of Sex Research, Vancouver, British Columbia, Canada, August 2007.
42. Hodges, C.R., **Puts, D.A.**, and Gaulin, S.J.C. Perceptions of dominance and attractiveness in male voices suggest functional specificity in signal attention. Oral presentation at the 19th Annual Meeting of the Human Behavior and Evolution Society, Williamsburg, VA, June 2007.
43. Cárdenas, R.A., Almerigi, J.B., **Puts, D.A.**, and Harris, L.J. Is the preference for holding infants on the left a female adaptation? Poster presented at the 19th Annual Meeting of the Human Behavior and Evolution Society, Williamsburg, VA, June 2007.
44. **Puts, D.A.**, Gaulin, S.J.C., Verdolini, K., and Hodges, C.R. Is low voice pitch a male dominance display? Oral presentation at the 18th annual meeting of the Human Behavior and Evolution Society, Philadelphia, PA, June 2006.
45. **Puts, D.A.**, Morris, J.A., Shaw, A.S., Jordan, C.L., and Breedlove, S.M. Sex differences in cerebellar weight in mice and rats – not androgen receptor-mediated in rats. Poster presented at the 18th annual meeting of the Human Behavior and Evolution Society, Philadelphia, PA, June 2006.
46. **Puts, D.A.**, McDaniel, M.A., Jordan, C.L., and Breedlove, S.M. Possible organizational effects of early androgens on human spatial ability: Meta-analyses of CAH and digit ratio studies. Oral presentation at the 6th annual meeting of the International Society for Intelligence Research, Albuquerque, NM, December 2005.
47. **Puts, D.A.**, Shaw, A.S., Svec, L.A., Wong, Y.-L., Jordan, C.L., Breedlove, S.M. Sex differences in the effects of older siblings on behavior in laboratory mice. Poster presented at the 35th annual meeting of the Society for Neuroscience, Washington, D.C., November 2005.
48. Brown, W.M., Gobrogge, K.L., **Puts, D.A.**, and Breedlove, S.M. Mouse model system for the effects of older brothers on behavior. Oral presentation at the International Behavioral Development Symposium, Minot, ND, August 2005.

49. **Puts, D.A.**, McDaniel, M.A., Jordan, C.L., and Breedlove, S.M. Spatial ability and its relation to prenatal androgens: meta-analyses of CAH and 2D:4D studies. Poster presented at the International Behavioral Development Symposium, Minot, ND, August 2005.
50. **Puts, D.A.**, McDaniel, M.A., Jordan, C.L., and Breedlove, S.M. Prenatal androgens and spatial ability in humans: Meta-analyses of CAH and 2D:4D studies. Poster presented at the annual meeting of the Society for Behavioral Neuroendocrinology, Austin, TX, June 2005.
51. **Puts, D.A.**, Gaulin, S.J.C., and Huttinger, A.D. Mating context affects women's preferences for male voice pitch during the fertile menstrual phase. Poster presented at the 17th annual meeting of the Human Behavior and Evolution Society, Austin, TX, June 2005.
52. **Puts, D.A.** Women's preferences for men's voices vary cyclically with conception risk and predicted hormone levels. Oral presentation at the 16th annual meeting of the Human Behavior and Evolution Society, Berlin, Germany, July 2004.
[**New Young Investigator Award, Evolution and Human Behavior Society**]
53. **Puts, D.A.**, Nisenbaum, L.K., George, C.A., Foltz, L.A., Gelbert, L.M., Lewis, D.A., and Mirnics, K. The effects of olanzapine on gene expression in the prefrontal cortex of *Macaca fascicularis* monkeys. Poster presented at the 33rd annual meeting of the Society for Neuroscience, New Orleans, LA, November 2003.
54. **Puts, D.A.** Sexual selection and men's voices. Poster presented at the 15th annual meeting of the Human Behavior and Evolution Society, Lincoln, NE, June 2003.
55. Weinberg, S.M., **Puts, D.A.**, Mooney, M.P., and Siegel, M.I. Nonmetric population variation in perinatal human skulls. Poster presented at the 71st annual meeting of the American Association of Physical Anthropologists, Buffalo, NY, April 2002.
56. **Puts, D.A.**, Mooney, M.P., Smith, T.D., Burrows, A.M., Cooper, G.M., Dechant, J., Losken, H.W., and Siegel, M.I. Growth of the cranial base in craniostomotic rabbits following coronal suturectomy. Poster presented at the 69th Annual Meeting of the American Association of Physical Anthropologists, San Antonio, TX, April 2000.
57. Mooney, M.P., **Puts, D.A.**, Smith, T.D., Burrows, A.M., Cooper, G.M., Dechant, J., Losken, H.W., and Siegel, M.I. Cranial base changes following coronal suturectomy in craniostomotic rabbits. Poster presented at the 78th annual meeting of the International Association for Dental Research, Washington, DC, April 2000.
58. Mooney, M.P., **Puts, D.A.**, Smith, T.D., Burrows, A.M., Cooper, G.M., Dechant, J., Losken, H.W., and Siegel, M.I. Cranial base growth in craniostomotic rabbits following coronal suturectomy. Poster presented at the annual meeting of the American Cleft Palate-Craniofacial Association, Scottsdale, AZ, April 2000.

KEYNOTE AND PLENARY TALKS

1. **Puts, D.A.** *Human sexual selection: What our voices tell us*. Plenary talk at the International Convention of Psychological Science, Amsterdam, The Netherlands, March 2015.
<https://www.youtube.com/watch?t=1&v=FsVFNBVmg0M>
2. **Puts, D.A.** *Origins of gender: The development and evolution of human sex differences*. Keynote address for Women's History Month, SUNY Fredonia, Fredonia, NY, March 2012.

OTHER INVITED TALKS

1. **Puts, D.A.** *The evolutionary biology of human sex differences*. University of Chicago, Chicago, IL, October 2015.

2. **Puts, D.A.** *Voice lessons: What our voices tell us about human sexual selection*. Adapted Mind, Adapted Body: The Evolution of Human Behavior and its Neuroendocrine Regulation, Centre for Scientific Culture, Erice, Italy, June 2015.
3. **Puts, D.A.** *The evolution of human mating*. TEDxPSU, University Park, PA, March 2014.
<https://www.youtube.com/watch?v=OXQwtTONLvg>
4. Bossio, J., Suschinsky, K., **Puts, D.A.**, Chivers, M. *Does menstrual cycle phase influence the gender specificity of heterosexual women's genital and subjective sexual arousal?* Annual meeting of the International Academy of Sex Research, Chicago, IL, August 2013.
[Best student manuscript award, Annual Meeting of the International Academy of Sex Research, 2013]
5. Hill, A.K. and **Puts, D.A.** *Men's mating success and the paradox of attractiveness*. Annual meeting of the International Academy of Sex Research, Chicago, IL, August 2013.
6. **Puts, D.A.** *The evolution of women's orgasm*. "The Evolution of Sexuality" conference, Oakland University, Rochester, MI, March 2013.
7. **Puts, D.A.** *Gorillas in our midst? Sexual selection in men*. 11th annual Evolutionary Preconference at the Society for Personality and Social Psychology annual meeting, New Orleans, LA, January 2013.
8. **Puts, D.A.** *The origins of gender: Sex, hormones and evolution*. Psychology Department, Bucknell University, Lewisville, PA, September 2012.
9. **Puts, D.A.**, Bailey, D.H., Cárdenas, R.A., Burriss, R.P., Welling, L.L.M., and Wheatley, J.R. Estradiol and progesterone predict menstrual cycle changes in women's vocal attractiveness. 24th Annual Meeting of the Human Behavior and Evolution Society, Albuquerque, NM, June 2012.
10. **Puts, D.A.** *Voice manipulation and analysis*. Summer Institute of the International Society for Human Ethology, Prague, Czech Republic, July 2011.
11. **Puts, D.A.** *Sex, hormones and evolution*. Penn State Chapter of the International Honors Society in Psychology, Psi Chi, Department of Psychology, Pennsylvania State University, University Park, PA, February 2011.
12. **Puts, D.A.** *Human sex differences: Some possible proximate and ultimate causes*. Animal Science Program, Department of Dairy and Animal Science, Pennsylvania State University, University Park, PA, January 2011.
13. **Puts, D.A.** and Barndt, J.L. *Intersexual selection and human voices*. Annual meeting of the International Academy of Sex Research, Prague, Czech Republic, July 2010.
14. **Puts, D.A.** *Beauty and the beast: Mechanisms of sexual selection in humans*. Department of Biobehavioral Health, Pennsylvania State University, University Park, PA, November 2009.
15. **Puts, D.A.** *Attractiveness, dominance, and the evolution of low voices in men*. Department of Psychology, Pennsylvania State University, University Park, PA, November 2008.
16. **Puts, D.A.** *Attraction, dominance, and the evolution of low voices in men*. Department of Psychology, Northwestern University, Evanston, IL, March 2007.
17. **Puts, D.A.** *A mouse model of fraternal birth order effects on brain and behavior*. Behavior Genetics Unit, Center for Psychiatric Genetics, ENH Institute, Evanston, IL, March 2007.
18. **Puts, D.A.** *Female choice, male dominance, and the evolution of low voices in men*. Department of Psychology, Alma College, Alma, MI, November 2006.
19. **Puts, D.A.** *Sex differences in spatial ability: evolution, hormones and the brain*. Department of Psychology, Michigan State University, East Lansing, MI, September 2006.

20. **Puts, D.A.** *Female mate choice and sexual selection for low pitch in men.* Department of Telecommunication, Information and Media, Michigan State University, East Lansing, MI, February 2005.
21. **Puts, D.A.** *Why be an evolutionist? The use of evolutionary theory for generating testable hypotheses in psychology.* Department of Psychology, Alma College, Alma, MI, March 2002.
22. **Puts, D.A.** *The evolution of body hair reduction in humans as a means of increased vitamin D biosynthesis.* Department of Biological Sciences, University of Pittsburgh, Pittsburgh, PA, November 1998.

ACADEMIC SERVICE

EDITORIAL SERVICE

2015-present	Editorial Board, <i>Hormones and Behavior</i>
2014-present	Co-Editor, <i>Evolutionary Psychology</i>
2014-present	Editorial Board, <i>Evolutionary Psychological Science</i>
2014-present	Editorial Board, <i>Adaptive Human Behavior and Physiology</i>
2013-present	Consulting Editor, <i>Evolution and Human Behavior</i>
2013-2014	Associate Editor, <i>Evolutionary Psychology</i>
2009-present	Editorial Board, <i>Archives of Sexual Behavior</i>
2006-2009	Consulting Editor, <i>Archives of Sexual Behavior</i>

GRANT PROPOSAL REFEREE

Czech Science Foundation
 Guggenheim Foundation, USA
 Leverhulme Trust, UK
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<i>Acta Psychologica</i>	<i>Biology Letters</i>
<i>Adaptive Human Behavior and Physiology</i>	<i>Biology of Sex Differences</i>
<i>Aggressive Behavior</i>	<i>Biological Psychiatry</i>
<i>American Journal of Physical Anthropology</i>	<i>Biological Psychology</i>
<i>American Journal of Human Biology</i>	<i>Biological Reviews</i>
<i>American Journal of Play</i>	<i>Brain and Cognition</i>
<i>The American Journal of Political Science</i>	<i>Body Image</i>
<i>Animal Behaviour</i>	<i>British Journal of Psychology</i>
<i>Annals of Human Biology</i>	<i>British Journal of Social Psychology</i>
<i>Archives of Sexual Behavior</i>	<i>Canadian Journal of Behavioural Science</i>
<i>Behavior Research Methods</i>	<i>Collegium Antropologicum</i>
<i>Behavioral Ecology</i>	<i>Cross-Cultural Research: Journal of Comparative Social Science</i>
<i>Behavioral Ecology and Sociobiology</i>	<i>Current Zoology</i>
<i>Behavioural Brain Research</i>	<i>Developmental Psychobiology</i>
<i>Behavioural Processes</i>	<i>Early Human Development</i>
<i>BioEssays</i>	

Ethnology
Ethology
European Journal of Personality
Evolution
Evolution and Human Behavior
Evolutionary Behavioral Sciences
Evolutionary Psychological Science
Evolutionary Psychology
Frontiers in Neuroendocrinology
HOMO – Journal of Comparative Human Biology
Hormones and Behavior
Human Biology
Human Ethology Bulletin
Human Nature: An Interdisciplinary Biosocial Perspective
International Journal of Impotence Research
The Journal of Sexual Medicine
Journal of Anatomy
Journal of Cross-Cultural Psychology
Journal of Evolutionary Psychology
Journal of Experimental Psychology: Human Perception and Performance
Journal of Experimental Social Psychology
Journal of Homosexuality
Journal of Individual Differences
Journal of Negative Results – BioMedicine
Journal of Negative Results – Ecology and Evolutionary Biology
Journal of Nonverbal Behavior
Journal of Personality and Social Psychology
Journal of Physiology
Journal for the Scientific Study of Religion

Journal of Sex Research
Journal of Sex and Marital Therapy
The Journal of Sexual Medicine
Journal of Social, Evolutionary, and Cultural Psychology
Journal of Theoretical Biology
Kadmos
Laterality: Asymmetries of Body, Brain and Cognition
Learning and Individual Differences
Michigan Academician
PeerJ
Perception
Personality and Individual Differences
Personality and Social Psychology Bulletin
Physiology and Behavior
PLoS ONE
Political Behavior
Proceedings of the National Academy of Sciences of the United States of America
Proceedings of the Royal Society B: Biological Sciences
Psichothema
Psychological Science
Psychoneuroendocrinology
Quarterly Journal of Experimental Psychology
Review of General Psychology
Scientific Reports
Social Cognitive and Affective Neuroscience
Theory in Biosciences
Visual Cognition

BOOK PROPOSAL OR CHAPTER REFEREE

Oxford University Press
Cambridge University Press
Princeton University Press
Sinauer Associates

POSTDOCTORAL MENTOR

Alexander Hill, Department of Anthropology, Pennsylvania State University, August 2014-November 2014 (currently Lecturer, Department of Anthropology, University of Washington, Seattle, WA)
Isaac Gonzalez-Santoyo, Department of Anthropology, Pennsylvania State University, October 2013-August 2014 (currently Associate Professor, Faculty of Psychology, National Autonomous University of Mexico, Mexico City)

Lisa Welling, Department of Anthropology, Pennsylvania State University, October 2009-July 2012
(currently Assistant Professor, Department of Psychology, Oakland University, Rochester, MI)
Robert Burriss, Department of Anthropology, Pennsylvania State University, January 2008-September
2010 (currently Lecturer [equivalent of Assistant Professor], Department of Psychology,
Northumbria University, Newcastle upon Tyne, UK)

GRADUATE ADVISER

Lauramarie Pope, Master's, Department of Anthropology, Pennsylvania State University, *Relationship Satisfaction and Disagreement on Relationship Characteristics*, August 2012-May 2015
Leslie Doll, Doctoral (National Science Foundation Graduate Research Fellow), Department of Anthropology, Pennsylvania State University, August 2012-present
John Wheatley, Master's (National Science Foundation Graduate Research Fellow), Department of Anthropology, Pennsylvania State University, August 2010-May 2015
Alexander Hill, Doctoral, Department of Anthropology, Pennsylvania State University, *Sexual selection and vocalization in humans and nonhuman anthropoid primates*, August 2008-May 2014
Jason Bundy, Master's, Department of Anthropology, Pennsylvania State University, *Total sexual selection on men's voices*, January 2012-December 2013
Julia Barndt, Master's, Department of Anthropology, Pennsylvania State University, *Effects of acoustical manipulations on perceptions of female vocal attractiveness and threat potential*, April 2008-April 2010
Sarah Wolff, Master's, Department of Anthropology, Pennsylvania State University, *Vocal masculinity affects perceptions of dominance among men independently of observer's own dominance*, August 2008-December 2009

UNDERGRADUATE HONORS THESIS ADVISER

Lea Gorodesky, Department of Anthropology, Pennsylvania State University, *Effects of ovarian hormones on facial appearance across the ovulatory cycle*. August 2013-November 2014
Leela McKinnon, Department of Anthropology, Pennsylvania State University, *The dimensionality of the mating environment predicts male combat and sexual coercion in turtles*. April 2012-November 2013
Jason Bundy, Department of Anthropology, Pennsylvania State University, *Total sexual selection and men's voices*. September 2011-November 2013
Luke Lolla, Department of Anthropology, Pennsylvania State University, *Are men's reproductive strategies affected by success in male contest competition?* August 2011-May 2012
Ashley Matz, Department of Psychology, Pennsylvania State University, *Functional analysis of the human female orgasm*, December 2010-May 2012
Michelle Rotella, Department of Anthropology, Pennsylvania State University, *Predictors of mating success among male college students*, May 2010-May 2011

CONFERENCE AND SYMPOSIUM SERVICE

Discussant for symposium entitled "Non-Verbal Vocal Communication: a Dynamic Perspective,"
International Convention of Psychological Science, Amsterdam, The Netherlands, March 12-14,
2015.
Scientific Review Committee member for 14th International Conference of the International Speech
Communication Association (Interspeech2013), Lyon, France, August 25-29, 2013

Program Committee member, 2013 Summer Institute for the International Society for Human Ethology, Ann Arbor, MI, August 2013
Poster committee member, 24th Annual Meeting of the Human Behavior and Evolution Society, Albuquerque, NM, June 2012
Co-organizer/-Host with Khytam Dawood, Symposium on the Biological Basis of Sexual Orientation, Interdisciplinary Group program, Institute for the Arts and Humanities, Sexuality and Gender: Controversies in Contemporary Life and Scholarship, The Pennsylvania State University, December 2, 2011
Chair, Human mating and the MHC: preferences, proceptivity and the pill, Summer Institute of the International Society for Human Ethology, Prague, Czech Republic, July 8, 2011
Co-Organizer/-Chair with Sari van Anders, Symposium on Evolution and Human Attraction, Annual meeting of the International Academy of Sex Research, Prague, Czech Republic, July 25-28, 2010
Presider, Biosocial Research Contributions to Understanding Family Processes and Problems, 17th Annual Symposium on Family Issues, The Pennsylvania State University, October 2009
Poster committee member, 33rd Annual Meeting of the International Academy of Sex Research, Vancouver, British Columbia, Canada, August 2007

DEPARTMENTAL AND UNIVERSITY COMMITTEE MEMBER

Penn State Sexuality Studies Minor Advisory Committee, Member: September 2008-present
Matson Museum Committee, Member: August 2010-August 2011
Penn State Anthropology Department Graduate Affairs Committee, Member: August 2011-August 2014
Penn State Anthropology Department Undergraduate Affairs Committee, Member: August 2010-August 2011, January 2015-present
Penn State Anthropology Department Website Committee, Member: August 2010-August 2011, Chair: August 2015-present
Penn State Anthropology Department Colloquium and Seminar Committee, Member: August 2008-August 2009, Chair: August 2011-December 2013
Penn State Anthropology Department Faculty Hiring Committee, Member: August 2008-August 2011

DOCTORAL OR MASTERS COMMITTEE MEMBER

Natalie Garcia, Doctoral, Department of Psychology, Pennsylvania State University, March 2015-present
John Wheatley, Masters (National Science Foundation Graduate Research Fellow) (chair), Department of Anthropology, Pennsylvania State University, *Women's faces and voices are fertility cues in industrial and forager societies*, March 2014-May 2015.
Carlos Garrido, Doctoral, Department of Psychology, Pennsylvania State University, March 2013-present
Anthony Nelson, Doctoral, Department of Psychology, Pennsylvania State University, *Attentional Biases to Expressive Faces and the Role of Gender-Emotion Stereotypes*, March 2011-June 2015
Alexander Hill, Doctoral (chair), Department of Anthropology, Pennsylvania State University, *Sexual selection and vocalization in humans and nonhuman anthropoid primates*, April 2012-November 2013
Jason Bundy, Masters, Department of Anthropology, Pennsylvania State University, *Total sexual selection on men's voices*, January 2012-November 2013

Megan Rogers, Masters, Intercollege Genetics Graduate Program, Pennsylvania State University, *Using genomic ancestry and demographic variables to study perception in human faces*, February 2010-April 2012

Denise Liberton, Doctoral, Department of Anthropology, Pennsylvania State University, *Genetics of human facial variation*, March 2009-March 2012

Ellen Quillen, Doctoral, Department of Anthropology, Pennsylvania State University, *Investigating genes related to the evolution of indigenous American skin pigmentation*, March 2009-August 2010

DOCTORAL OR MASTERS THESIS EXTERNAL REVIEWER

Natalie Centner, Doctoral, School of Psychology, Deakin University, Victoria Australia, *Self-perceived sexual attractiveness: Differences and contributing factors across gender and sexual orientation*, December 2014

MEDIA

PRINT AND ONLINE

1. *Men's Health*, "The 'Boyfriend voice,' explained", by Markham Heid, 3 November 2015.
<http://www.menshealth.com/sex-women/boyfriend-voice>
2. *Los Angeles Times*, "Human fist evolved to punch, new study says", by Amina Khan, 23 October 2015.
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6. *Men's Health*, "High-definition foreplay: Maximise her arousal by overloading her senses", by Ryan Bailey, 17 March 2014.
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7. *The Guardian*, "Roar of the rutting stag: why men have deep voices", by Alice Roberts, 5 October 2013.
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<http://www.dailymail.co.uk/news/article-1266766/Why-women-love-George-Clooney-looks--hes-ultimate-Monotone-Man.html>
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RADIO AND PODCAST

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TELEVISION OR OTHER VIDEO

1. *American Enterprise Institute,* The Factual Feminist, "Title IX and the scorched earth campaign against men's sports." Published on 23 June 2014. YouTube video of Time Magazine article covering research on sex differences in interest in competitive sports.
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2. *Asahi Broadcast Corporation* (Japan), "Wonderful Report" interview on 28 February 2012 about voice research, first aired May 30, 2012.
3. *National Geographic Channel,* interview on 20 November 2011 as part of documentary on human sexuality, currently unaired.
4. *Discovery Channel,* interview on 19 November 2010 as part of documentary "Why is sex fun?", first aired 21 August 2011.
Excerpt: <http://www.youtube.com/watch?v=e58Rs2HwR8o>
5. *ABC News,* "Good Morning America" interview on 31 January 2008 about voice research, currently unaired.