

Curriculum Vitae  
**Jennifer Byrd-Craven**

**CONTACT INFORMATION**

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**Positions**

Assistant Professor  
(2007-2013) Oklahoma State University

Associate Professor  
(2013-2019) Oklahoma State University

Experimental Program Director  
(2015-present) Oklahoma State University

Co-founder, Oklahoma Center for Evolutionary Analysis (OCEAN)  
(2019- )

Professor  
(2019- ) Oklahoma State University

**Education**

2001-2007	PhD	University of Missouri-Columbia (Developmental Psychology)
1998-2001	MS	University of Texas-Tyler (Clinical Neuropsychology specialization)
1998	BA	University of New Mexico (Psychology)

**Research Interests**

Broad: Psychobiology of the Stress Response; Sex Differences in Stress Responses and Social Cognition; Evolutionary Psychology

Specific: Psychosocial factors related to plasticity in the stress response system, the timing of life history traits, and female sociality.

## Grants

- Oklahoma Center for the Advancement of Science and Technology (OCAST) \$120,617  
“Family hormonal profiles of resilience: Defining fathers’ roles in infant biosocial development.” (HR17-003)  
Byrd-Craven, J. (2017).
- Center for Integrative Research on Childhood Adversity (CIRCA) Pilot Project \$50,000  
“Fathers’ contributions to mother-infant biosocial health.” (P20GM109097)  
Byrd-Craven, J., Kennison, S.M. & Ciciolla, L. (2017)
- Center for Integrative Research on Childhood Adversity (CIRCA) Pilot Project \$50,000  
“Biological mechanisms in the link between stress and emerging adult mental health.”  
Criss, M., & Byrd-Craven, J. (2017)
- National Science Foundation-Research Experience for Undergraduates \$300,546  
“Biological Basis of Human and Animal Behavior”  
Kennison, S., & Byrd-Craven, J. (2014)
- National Science Foundation-Research Experience for Undergraduates \$300,237  
“Biological Basis of Human and Animal Behavior”  
Kennison, S., & Byrd-Craven, J. (2011)
- Arts and Sciences Student Technology Fee Grant \$32,937  
“Spit and Learn”  
Grindstaff, J., Lovern, M., Byrd-Craven, J., & Kennison, S. (2010)  
Oklahoma State University, College of Arts and Sciences
- Oklahoma State University Interdisciplinary Creative Planning Grant \$37,070  
“Nutrition and Early Child Development Program”  
Kennedy, T. S., Thomas, D.G., Byrd-Craven, J., Hubbs-Tait, L., Stoecker, B. (2012)
- Arts & Sciences Student Technology Fee Grant \$29,665  
“The Scoop on the Stress Response: Measuring Multiple Biomarkers of Stress to Enhance Student Learning”  
Byrd-Craven, J., Grant, D., Mullins, L., & Auer, B. (2012)  
Oklahoma State University, College of Arts & Sciences
- Arts & Sciences Student Technology Fee Grant \$31,051  
“Brains in Gear”  
Grant, D., & Byrd-Craven, J. (2013)  
Oklahoma State University, College of Arts & Sciences
- Oklahoma Regents for Higher Education, Summer Science Academy \$36,000  
“Exploring Quantitative Analysis”  
Byrd-Craven, J. & Kennison, S.M. (2014)  
(Co-PI: 60% effort; original PI: Melanie Page)

Arts & Sciences Student Technology Fee Grant \$13,112

“Brains in Gear”

Grant, D., & Byrd-Craven, J. (2014)

Oklahoma State University, College of Arts & Sciences

## Publications

Calvi, J. L., Rankin, A., Clauss, N., & Byrd-Craven, J. (in press). The nuanced psychology of *The Handmaid's Tale*: Commentary on power, feminism, and the patriarchy from four feminist evolutionary psychologists. Special issue of *Evolutionary Behavioral Sciences*

Garza, R., & Byrd-Craven, J. (2019). Fertility status in visual processing of men's attractiveness. *Evolutionary Psychological Science*.

Clauss, N., & Byrd-Craven, J. (2019). Exposure to sex-specific stressor mitigates sex differences in stress-induced eating. *Physiology & Behavior*, 202, 26-35.

Rankin, A., Swearingen-Stanborough, C., Granger, D.A., & Byrd-Craven, J. (2018). The role of co-rumination and adrenocortical attunement in young women's friendships. *Psychoneuroendocrinology*, 98, 61-66.

Auer, B.J., Calvi, J.L., Jordan, N., Schrader, D., & Byrd-Craven, J. (2018). Communication and social interaction anxiety enhance interleukin-1Beta and cortisol reactivity during high-stakes public speaking. *Psychoneuroendocrinology*, 94, 83-90.

Kennison, S.M. & Byrd-Craven, J. (in press). Childhood relationship with mother as a precursor to ageism in young adults. *Current Psychology*.

Clauss, N., Byrd-Craven, J., Kennison, S.M. & Chua, K.J. (2018). The roles of mothers' partner satisfaction and mother-infant communication in mother-infant adrenocortical attunement. *Adaptive Human Behavior and Physiology*, 4, 91-107.

Kennison, S.M., Byrd-Craven, J., & Hamilton, S. (2017). Individual differences in talking enjoyment: The roles of life history strategy and mate value. *Cogent Psychology*, 4:1, DOI: 10.1080/23311908.2017.1395310

Bock, J., Byrd-Craven, J., & Burkley, M. (2017). The role of sexism in voting in the 2016 Presidential Election. *Personality and Individual Differences*, 119, 189-193.

Kennison, S.M., Wood, E.E., Byrd-Craven, J., & Downing, M. (2016). The role of family dynamics in risk-taking by young adults. *Cogent Economics & Finance*,

- Byrd-Craven, J., Calvi, J.L., and Kennison, S.M. (2016). Rapid Cortisol and Testosterone Responses to Sex-Linked Stressors: Implications for the Tend-and-Befriend Hypothesis. *Evolutionary Psychological Science*, 2, 119-206.
- Swearingen\*, C. L., Byrd-Craven, J., & Kennison, S.M. (2016). The relationship between co-rumination through Facebook and health in college students. *Psi Chi Journal of Psychological Research*, 21, 111-118.
- Massey-Abernathy, A. & Byrd-Craven, J. (2016). Functional Leadership: Bi-strategic controllers high on effortful control show gains in status and health. *Personality and Individual Differences*, 97, 193-197.
- Aupperle, R.L., Morris, A.S., Silk, J.S., Criss, M. M., Judah, M., Eagleton, S., Byrd-Craven, J., Phillips, R., & Alvarez, R.P. (2016). Neural responses to maternal praise and criticism: Relationship to depression and anxiety symptoms in high-risk adolescent girls. *Neuroimage Clinical*, 11, 548-554.
- Massey-Abernathy, A., & Byrd-Craven, J. (2016). Seeing but not feeling: Machiavellian traits in relation to physiological empathetic responding and life experiences. *Adaptive Human Behavior & Physiology*, 2, 252-266.
- Kennison, S.K. & Byrd-Craven, J. (2015). Gender differences in beliefs about infant-directed speech. *Child Development Research*, 2015. <http://dx.doi.org/10.1155/2015/871759>
- Auer\*, B.J., Byrd-Craven, J., Grant, D. M., & Granger, D. A. (2015). Oxytocin receptor genetic variation interacts with rejection sensitivity to influence cortisol reactivity during negative evaluation. *Hormones & Behavior*, 75, 64-69.
- Byrd-Craven, J., Geary, D., Massey\*, A.R., & Calvi\*, J.L. (2015). Interests mediate sex differences in empathizing and systemizing. *Personality and Individual Differences*, 82, 237-241.
- Massey-Abernathy\*, A.R., Byrd-Craven, J., Swearingen, C.L. (2015). The biological diary of a woman: Physiological consequences of status and social evaluative threat. *Evolutionary Psychological Science*. 10.1007/s40806-014-0008-y
- Byrd-Craven, J., Auer\*, B.J., & Kennison, S.M. (2015). Sex differences in physiological responses sex-linked stressors: A test of tend-and-befriend model. *Adaptive Human Behavior and Physiology*, 4, 408-420. DOI 10.1007/s40750-014-0013-1
- Massey-Abernathy\*, A.R., Byrd-Craven, J., Auer\*, B.J., Swearingen\*, C.L. (2015). Climbing the social ladder: Physiological response to social status in adolescents. *Adaptive Human Behavior and Physiology*, 1, 72-92. DOI: 10.1007/s40750-014-0009-x

- Massey\*, A.R., Byrd-Craven, J., & Swearingen\*, C. L. (2014). Preschool Power Play: Resource Control Strategies Associated with Health. *Child Development Research*, 2014.
- Vaughn\*, J.E., Kennison, S. M. & Byrd-Craven, J. (2014). The role of beliefs on learning about homosexuality in a college course. *Journal of Homosexuality*, 61, 1420-1434.
- Davidson\*, C.L., Grant, D. M., Byrd-Craven, J., Mills\*, A.C., Judah\*, M.R. & Lechner\*, W.V. (2014). Psychometric properties of the Co-rumination Questionnaire. *Personality and Individual Differences*, 70, 171-175.
- Byrd-Craven, J. & Massey\*, A. R. (2013). Lean on me: The effects of social support on low-socioeconomic status pregnant women. *Nursing and Health Sciences*, 15, 374-378.
- Giddens, C., Barron, K.W., Byrd-Craven, J., Clark, K.F. (2013). Vocal Indices of Stress: A Review. *Journal of Voice*, 27, 390-399.
- Byrd-Craven, J., Auer\*, B.J., Granger, D.A., & Massey\*, A.M. (2012). The Father-Daughter Dance: The influence of father-daughter relationship quality on daughters' stress response to peer dynamics. *Journal of Family Psychology*, 26, 87-94.
- Eddington\*, A.R., Mullins, L.L., Byrd-Craven, J., & Chaney, J.M. (2012). An experimental examination of stress reactivity in adolescents and young adults with asthma. *Children's Health Care*, 41, 16-31.
- Byrd-Craven, J., Granger, D.A., & Auer\*, B.J. (2011). Stress reactivity to co-rumination in young women's friendships: The relationship between cortisol and alpha-amylase. *Journal of Social and Personal Relationships*, 28, 469-487.
- Vaughn\*, J. E., Bradley\*, K. I., Byrd-Craven, J., & Kennison, S. M. (2010). The effect of mortality salience on women's judgments of male faces. *Evolutionary Psychology*, 8, 477-491.
- Geary, D. C., Hoard, M.K., Nugent, L. & Byrd-Craven, J. (2008) Development of number line representations in children with mathematical learning disability. *Developmental Neuropsychology*, 33, 277-299.
- Hoard, M.K., Geary, D.C., Byrd-Craven, J., & Nugent, L. (2008) Mathematical cognition in intellectually precocious first graders. *Developmental Neuropsychology*, 33, 251-276.
- Byrd-Craven, J., Geary, D.C., Rose, A.J., and Ponzi, D. (2008) Co-ruminating increases

stress hormone levels in women. *Hormones & Behavior*, 53, 489-492.

Byrd-Craven, J., Geary, D. C., Vigil, J. M., & Hoard, M. K. (2007). One mate or two? Life history traits and reproductive variation in low-income women. *Acta Psychologica Sinica*, 39, 469-480.

Byrd-Craven, J., & Geary, D. C. (2007). Biological and evolutionary contributions to developmental sex differences. *Reproductive BioMedicine*, 15, 10-20.

Geary, D. C., Hoard, M. K., Byrd-Craven, J., Nugent, L., & Numtee, C. (2007). Cognitive mechanisms underlying achievement deficits in children with mathematical learning disability. *Child Development*, 78, 1343-1359.

Vigil, J. M., Geary, D. C., & Byrd-Craven, J. (2006). Trade-offs in low-income women's mate preferences: Within-sex differences in reproductive strategy. *Human Nature*, 17, 319-336.

Vigil, J. M., Geary, D. C., & Byrd-Craven, J. (2005). A life history assessment of early childhood sexual abuse in women. *Developmental Psychology*, 41, 553-561.

Geary, D. C., Hoard, M. K., Byrd-Craven, J., & DeSoto, C. M. (2004). Strategy choices in simple and complex addition: Contributions of working memory and counting knowledge for children with mathematical disability. *Journal of Experimental Child Psychology*, 88, 121-151.

Geary, D. C., Vigil, J., & Byrd-Craven, J. (2004). Evolution of human mate choice. *Journal of Sex Research*, 41, 27-42.

Geary, D. C., Byrd-Craven, J., Hoard, M. K., Vigil, J., & Numtee, C. (2003). Evolution and development of boys' social behavior. *Developmental Review*, 23, 444-470.

### *Book Chapters*

Byrd-Craven, J., & Clauss, N.J. (2019). The psychobiology of family dynamics: Bidirectional relationships with adrenocortical attunement. In A.W. Harrist & S.M. Wilson (Series Eds.) and B. Gardner & A.W. Harrist (Vol. Eds.), *Emerging Issues in Family and Individual Resilience: Vol. 3. Biobehavioral markers in risk and resilience research*. Cham, Switzerland: Springer International. doi:10.1007/978-3-030-05952-1

Geary, D.C., Byrd-Craven, J. & Massey\*, A. R. (2014). Sexual selection and the extreme male brain theory of autism. In S. Baron-Cohen, M., Lombardo, & A. Wakabayashi (Eds.), *The empathizing-systemizing (E-S) theory: Beyond sex differences in cognitive style*. Cambridge, MA: The MIT Press.

Byrd-Craven, J., & Geary, D.C. (2013). An evolutionary understanding of sex differences. M.K. Ryan & N.R. Branscombe (Eds.). *The Sage Handbook of Gender and Psychology* (pp. 100-114). Thousand Oaks, CA: Sage

## Publications.

Geary, D. C., Nugent, L., Hoard, M. K., & Byrd-Craven, J. (2007). Strategy use, long-term memory, and working memory capacity. In D. B. Berch & M. M. M. Mazzocco (Eds.), *Why is Math So Hard for Some Children? The Nature and Origins of Mathematical Learning Difficulties and Disabilities* (pp. 83-105). Baltimore, MD: Paul H. Brookes Publishing Co.

## *Other Publications*

Clauss\*, N., Rankin\*, A., & Byrd-Craven, J. (2017). Meta-analysis of sex differences in aggression. T. Shakelford & V. Weeks-Shakelford (Eds). *The Encyclopedia of Evolutionary Psychological Science*. Springer.

Byrd-Craven, J., Auer\*, B.J., & Massey\*, A.R. (2014). Intrasexual competition. M. LaFlaur & W. Trevathan (Eds). *The Encyclopedia of Human Sexuality*. Wiley-Blackwell Reference.

\*Indicates graduate student co-author

\*\* Indicates undergraduate student co-author

## **Presentations**

Byrd-Craven, J., & Rankin, A.M., Examining the importance of biosocial trade-offs in understanding female sociality. Presentation at the annual meeting of Human Behavior and Evolution Society, Boston, MA

Byrd-Craven, J. (2019). Examining the importance of biosocial trade-offs in understanding female sociality. Invited presentation at the annual Evolutionary Psychology pre-conference at the annual meeting of Society for Personality and Social Psychology, Portland, Oregon.

Rankin, A. & Byrd-Craven, J. (2017). The psychobiology of female friendships: How hormonal synchrony relates to friendship quality. Presentation at the annual meeting of Human Behavior and Evolution Society, Boise, Idaho.

Byrd-Craven, J., Swearingen-Stanbrough, C.L., & Massey-Abernathy, A.R. (2016) The adaptive trade-offs of personality traits and empathy. A symposium presented at the annual meeting of Southwestern Psychological Association, Dallas, Texas.

Byrd-Craven, J. & Swearingen\*, C.L. (2014, March). Cortisol synchrony during problem discussion: The role of co-rumination and negative affect focus. Symposium presented at Society for Research on Adolescence, Austin, Texas.

Byrd-Craven, J. (2013, April). Tend-and-befriend? Care-taking and coalitions. Symposium presented at Southwestern Psychological Association, Fort Worth, Texas.

Colaizzi, J., Grant, S. L., Schieszler, C., Jones, J., Miner, J., Tisdale, A., Calvi, J., Auer, B. J., Byrd-Craven, J., & Thomas, D. G. (2013, April). Emotional Contagion and Cognitions in Infancy. Poster presented at the annual meeting of the Oklahoma State University Research Symposium, Stillwater, OK.

Byrd-Craven, J. (2011, April). The father-daughter dance: The influence of father daughter relationship quality on daughters' stress response to peer dynamics. Symposium presented at Southwestern Psychological Association, San Antonio, Texas.

Byrd-Craven, J. (2008, April). *Co-rumination increases stress hormone levels in young women*. Paper presented at Southwestern Psychological Association, Kansas City, Missouri.

\*Indicates graduate student co-author

\*\* Indicates undergraduate student co-author