

# DIANA SANTOS FLEISCHMAN PH.D.

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## CURRICULUM VITAE

### Contact Information

#### **University of Portsmouth**

Department of Psychology

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### Employment history

#### **Senior Lecturer (Associate Professor)**

Sept. 2013 – Current    **The University of Portsmouth**

#### **Lecturer (Assistant Professor)**

Sept. 2011 – Sept. 2013    **The University of Portsmouth**

#### **Post-doctoral Research Associate**

Sept. 2010 – July 2011    **The University of North Carolina, Chapel Hill**

#### **Research Fellow**

Oct. 2009 – Jul.2010    **The London School of Hygiene & Tropical Medicine**

### Education

2003-2009                    **The University of Texas at Austin**

*Completed Ph.D. in evolutionary psychology, Advisor David Buss.*

*Ph.D. Thesis, Women's Disease Avoidance Mechanisms*

1999-2003                    **Oglethorpe University**

*Received Bachelor of Arts degree in Psychology, May 2003, Cum Laude*

2001-2002                    **The London School of Economics and Political Science**

*Completed a one year course in Psychology and Sociology*

## Publications

- Fleischman, D. S.** & Fessler, D. M., (in press) Response to “Hormonal Correlates of Pathogen Disgust: Testing the Compensatory Prophylaxis Hypothesis”. *Evolution and Human Behavior*, doi.org/10.1016/j.evolhumbehav.2018.03.006
- Stafford, L. D., **Fleischman, D. S.**, Le Her, N., & Hummel, T. (2018). Exploring the emotion of disgust: differences in smelling and feeling. *Chemosensors*, 6(1), 9.
- Hunt, D. F., Cannell, G., Davenhill, N. A., Horsford, S. A., **Fleischman, D. S.**, & Park, J. H. (2017). Making your skin crawl: The role of tactile sensitivity in disease avoidance. *Biological Psychology*, 127, 40-45.
- Zsok, F., **Fleischman, D. S.**, Borg, C., & Morrison, E. (2017). Disgust Trumps Lust: Women’s Disgust and Attraction Towards Men Is Unaffected by Sexual Arousal. *Evolutionary Psychological Science*, 1-11.
- Fleischman D. S.** (2017) Sex Differences in Disease Avoidance. *Encyclopedia of Evolutionary Psychological Science*, 1-3.
- Fleischman D. S.** (2017) Immune responses to disease cues. *Encyclopedia of Evolutionary Psychological Science*, 1-3
- Fleischman D. S.** (2017) Sex as a bonding mechanism. Entry in *Encyclopedia of Evolutionary Psychological Science*
- Fleischman, D. S. (2016).** An evolutionary behaviorist perspective on orgasm. *Socioaffective Neuroscience & Psychology*, 6.
- Fessler, D. M., Holbrook, C., & **Fleischman, D. S.** (2015). Assets at risk: Menstrual cycle variation in the envisioned formidability of a potential sexual assailant reveals a component of threat assessment. *Adaptive Human Behavior and Physiology*, 1-21.
- Fleischman, D.S.**, Hamilton, L.D., Fessler, D.M.T., and Meston, C.M. (2015) Disgust versus lust: Exploring the interactions of disgust and fear with sexual arousal in women. *PLoS One* 10 (6), e0118151
- Fleischman, D.S.** (2014). Women’s disgust adaptations. In T.K. Shackelford, & V.A. Weekes-Shackelford (Eds.), *Evolutionary Perspectives on Human Sexual Psychology and Behavior*. New York: Springer.
- Fleischman, D. S.**, Fessler, D. M., & Cholakians, A. E. (2015). Testing the affiliation hypothesis of homoerotic motivation in humans: The effects of progesterone and priming. *Archives of Sexual Behavior*, 44 (5), 1395-1404

- Fleischman, D.S.**, Bunevicius, A., Leserman, J., & Girdler S.S. (2014) Menstrually Related Mood Disorders and Abuse History Modulate Physical and Emotional Pain. *Health Psychology* Vol 33(2), 147-154
- Fleischman, D. S.** (2012). A review of Kevin N. Laland and Gillian R. Brown (2011) Sense and Nonsense. Evolutionary perspectives of human behaviour. *Journal of Evolutionary Psychology*, 10(1), 43-46.
- Fleischman, D.S.**, Webster, G.D., Judah, G., de Barra, M., Aunger, R. & Curtis, V. (2011) Sensor recorded changes in rates of hand washing with soap in response to the media reports of the H1N1 pandemic in Britain. *BMJ Open*, 1(2).
- Fleischman, D.S.** & Fessler, D.M.T. (2011). Progesterone's effects on measures of disease avoidance: Support for the compensatory prophylaxis hypothesis. *Hormones and Behavior*. 59, 271-275
- Perilloux, C., **Fleischman, D. S.**, & Buss, D. M. (2011). Meet the parents: Parent-offspring convergence and divergence in mate preferences. *Personality and Individual Differences*. 50, 253-258
- Perilloux, C., Lewis, D. M., Goetz, C. D., **Fleischman, D. S.**, Easton, J. A., Confer, J. C., & Buss, D. M. (2011). Trade-Offs, Individual Differences, and Misunderstandings about Evolutionary Psychology. *American Psychologist*. 65, 930-932 \*All authors contributed equally to this publication
- Fleischman, D.S.**, Navarrete, C. D., & Fessler, D. M. (2010). Oral contraceptives suppress ovarian hormone production. *Psychological Science*, 21(5), 750.
- Confer, J. C., Easton, J. A., **Fleischman, D. S.**, Goetz, C. D., Lewis, D. M., Perilloux, C., & Buss, D. M. (2010). Evolutionary psychology: Controversies, questions, prospects, and limitations. *American Psychologist*, 65, 110-126.\* all authors contributed equally to this publication
- Navarrete, C. D., Fessler, D. M., **Fleischman, D. S.**, & Geyer, J. (2009). Race bias tracks conception risk across the menstrual cycle. *Psychological Science*, 20(6), 661.
- Perilloux, C., **Fleischman, D.S.** & Buss, D. M. (2008). The daughter-guarding hypothesis: Parental influence on, and emotional reactions to, offspring's mating behavior. *Evolutionary Psychology*, 6 (2): 217-233.
- Fleischman, D.S.** & Fessler, D.M.T. (2007) Differences in dietary intake as a function of sexual activity and hormonal contraception. *Journal of Evolutionary Psychology*. 5(3): 642-652

## **Invited Talks, Published Abstracts, Presentations and Posters**

### **Invited Talks**

**Invited plenary- Zombie Apocalypse Medicine Meeting hosted by Arizona State**

**University's Darwinian Medicine program** October 2018

**Bad boys and bad girls-** Talk for Ogilvy Marketing, London March 2018

**Integrating Evolutionary Psychology and Behaviorism: The Evolved Trainer,** Invited colloquium talk, University of New Mexico, Albuquerque, April 2018

**The Evolution of Human Morality** Invited Darwin Day talk, Humanist Society UK, London February 2018

**Sex Differences, Evolution and Equality-** Adam Smith Institute Forum London UK, December 2017

**Gifts in Skinner Boxes** Invited Nudgestock talk Folkenstone UK, June 2017

**Integrating Evolutionary Psychology and Behaviorism: The Evolved Trainer** – Royal Holloway University of London Department of Psychology, February 2017

**Disgust is bad for progress** – Congresso Futuro, Santiago Chile, January 2017

**Sentient Frontiers** –University of Magallanes, invited speaker symposium, January 2017

**Effective Animal Activism-** Inaugural talk for the University of Portsmouth Vegan Society, December 2016

**Disgust is useless-** Adam Smith Institute Forum – December 2016

**Born this way in contemporary science: Multidisciplinary approaches to sexuality and gender-** Affiliation as sexual motivation and the evolution of same-sex sexual behaviour. University of Kent, UK. November 2015.

**Anticipating 2040-** In vitro meat- will disgust be a barrier to future uptake? London, UK, October 2015

**Science museum Lates at the Science Museum** — “Why did homosexuality evolve?”, London, UK, February 2015

**Death Jam (London death themed event series)-London, UK** “Cannibalism in Context” New Unity Lecture Hall, September 2013

**The Evolution of Disgust Conference: From Oral to Moral**, *The Interaction of Disgust and Sexual Arousal in Women: Competition Between Mating and Disease Avoidance Motivation*, Bielefeld, Germany, January 2012.

### **Conference Posters and Presentations**

**Fleischman, D.S.** (April 2018) Comparing disgust across sexual orientation groups. Paper presented at the 7<sup>th</sup> Consortium of European Research on Emotion (CERE) University of Glasgow.

**Fleischman, D.S.** (June 2017) How to Train Your Boyfriend. Paper presented at the 29<sup>th</sup> annual Human Behavior and Evolution Society Conference, Boise, Idaho.

**Fleischman, D.S.**, Woods, A.R., Girdler, S., (June 2016) Baseline inflammation predicts higher disgust sensitivity but stronger inflammation in response to stress predicts lower disgust sensitivity: Insights into evolved disease avoidance mechanisms from IL-6. Paper presented at the 28<sup>th</sup> annual Human Behavior and Evolution Society Conference, Vancouver, Canada.

**Fleischman, D.S.**, Woods, A.R., Girdler, S., (June 2016) Baseline inflammation predicts higher disgust sensitivity but stronger inflammation in response to stress predicts lower disgust sensitivity: Insights into evolved disease avoidance mechanisms from IL-6. Paper presented at the 3<sup>rd</sup> annual International Society for Evolutionary Medicine and Public Health, Durham University, North Carolina.

Hunt, D., Davenhill, N., Cannell, G., Fleischman, D.S., Park, J (April 2016) Making your skin crawl: The role of tactile sensitivity in disease avoidance Poster presented at Poster presented at the 9th annual conference of the European Human Behaviour and Evolution Association (EHBEA), London, UK.

Miller, G.F., **Fleischman, D.S.**, Do Sexually Transmitted Pathogens Manipulate Human Sexual Behavior? Paper presented at the 27<sup>th</sup> annual Human Behavior and Evolution Society Conference, Vancouver, Canada.

**Fleischman, D.S.**, & Cheesman, E. Conception risk increases galvanic skin response but not handgrip strength in women exposed to cues of potential sexual assault. Poster presented at the 26<sup>th</sup> annual Human Behavior and Evolution Society Conference, Columbia, MO.

**Fleischman, D.S.**, Perilloux, C & Buss, D.M., Women's Psychology of Resource Based Opposite Sex Friendships Paper presented at the 25<sup>th</sup> annual Human Behavior and Evolution Society Conference, Miami, FL.

**Fleischman, D.S.**, Fessler, D. M. & Cholakiens A.E. Testing the Affiliation Hypothesis of Homoerotic Motivation in Humans: The Effects of Progesterone and Priming. Paper

presented at the joint day of the 24<sup>nd</sup> annual Human Behavior and Evolution Society and the 49<sup>th</sup> annual meeting of the Animal Behavior Society.

**Fleischman, D.S.**, Fessler, D. M. & Cholakiens A.E. (March 2012) Testing the Affiliation Hypothesis of Homoerotic Motivation in Humans: The Effects of Progesterone and Priming. Poster presented at the 7th annual conference of the European Human Behaviour and Evolution Association (EHBEA), Durham, UK.

**Fleischman, D.S.**, Leserman J., & Girdler S.S. Sensitivity to Physical and Emotional Pain in Women with Abuse Histories. (2011) Paper presented at the 69<sup>th</sup> meeting of the American Psychosomatic Society, San Antonio, Texas. Abstract Published in *Psychosomatic Medicine*, 2011 73(3) A-130

**Fleischman, D.S.**, Hamilton, L.D., Fessler, D.M.T & Meston C.M. (2011) The Interaction of Disgust and Sexual Arousal in Women: Competition Between Mating and Disease Avoidance Motivations. Paper presented at the 22<sup>nd</sup> annual Human Behavior and Evolution Society Conference, Eugene, OR.

**Fleischman, D.S.**, de Barra, M., Fessler, D.M.T. & Curtis V. (March 2010) Time awake influences disgust sensitivity: support for the compensatory behavioral prophylaxis hypothesis. Paper presented at the 5<sup>th</sup> European Human Behavior and Evolution Association, Wroclaw, Poland.

**Fleischman, D.S.** & Fessler, D.M.T. (May 2009) Progesterone Effects on Women's Psychology: Support for the Compensatory Prophylaxis Hypothesis. Paper presented at the 21st Annual Human Behavior and Evolution Society Conference, Fullerton, CA.

Perilloux, C., Easton, J. E., **Fleischman, D. S.**, & Buss, D. M. (May 2009). Which Women are Targets of Men's Sexual Over-Perception Bias? Poster presented at the 21st annual Human Behavior and Evolution Society Conference, Fullerton, CA.

**Fleischman, D.S.** & Fessler, D.M.T. (Feb 2009) Progestin Effects on Women's Psychology: Support for the Compensatory Prophylaxis Hypothesis. Poster presented at the 7th annual SPSP Evolutionary Psychology Pre-Conference, Tampa, FL.

Perilloux, C., Easton, J. E., **Fleischman, D. S.**, & Buss, D. M. (Feb 2009). Individual differences in the sexual overperception bias (SOPB). Poster presented at the 7th annual SPSP Evolutionary Psychology Pre-Conference, Tampa, FL.

**Fleischman, D.S.** & Fessler, D.M.T. (July 2008) Progestin Effects on Women's Psychology: Support for the Compensatory Prophylaxis Hypothesis. Poster presented at the 12th Annual Meeting of the Society for Behavioral Neuroendocrinology

Perilloux, C., **Fleischman, D.S.** & Buss, D. M. (Feb 2008). Parental Preferences for Ideal Mates of their Daughters and Sons: Points of Convergence and Divergence. Poster presented at

the 9th Annual Meeting of the Society for Personality and Social Psychology, Albuquerque, NM.

**Fleischman, D.S.**, Perilloux, C. & Buss, D. M. (Sept. 2007). Avoidance of Sexual Coercion during the Fertile Window. Paper presented at the Area meeting of Social Psychology, Austin, TX.

Perilloux, C., **Fleischman, D.S.** & Buss, D. M. (June 2007). The Daughter-Guarding Hypothesis: Parental Influence on Children's Mating Behavior. Paper presented at the 19th annual conference of the Human Behavior and Evolution Society, Williamsburg, VA.

**Fleischman, D.S.**, Perilloux, C. & Buss, D. M. (June 2007). Avoidance of Sexual Coercion during the Fertile Window. Paper presented at the 19th annual conference of the Human Behavior and Evolution Society, Williamsburg, VA.

**Fleischman, D.S.** & Fessler, D.M.T. (June 2007). Differences in Meat Consumption as a Function of Sexual Activity and Hormonal Contraception. Poster presented at the 19th annual conference of the Human Behavior and Evolution Society, Williamsburg, VA.

Perilloux, C., **Fleischman, D.S.** & Buss, D. M. (2007). The Daughter-Guarding Hypothesis: Parental Influence on Children's Mating Behavior. Paper presented at the 19th annual conference of the Human Behavior and Evolution Society, Williamsburg, VA.

**Fleischman, D. S.**, & Fessler, D. M. (June 2006). Luteal phase and progesterin effects on OCD measures and disgust sensitivity. Paper presented at the 18<sup>th</sup> annual conference of the Human Behavior and Evolution Society Conference, Philadelphia, PA.

**Fleischman, D.S.** (June 2005) Dietary Changes across the Menstrual Cycle. Paper Presented to the 17<sup>th</sup> annual conference of the Human Behavior and Evolution Society, Austin, TX

**Fleischman, D.S.** (May 2002) Human Ability to Recognize Emotional Expressions in the Common Chimpanzee. Poster Presented at Oglethorpe University meeting of PSI CHI

### **Current Nonprofit and Society Involvement**

Animal Charity Evaluators- Grant Committee  
Sentience Politics –Advisory Board  
University of Portsmouth Vegan Society- Faculty Sponsor

### **Teaching, Tutoring and Mentoring Experience**

2015-2018	Unit Coordinator	Psychology of Human Sexuality
2012-2018	Unit Coordinator	Exploring Psychology
2013-2014	Instructor	Research methods and statistics

2013-2016	Unit Coordinator	Intro to Psych Science: Methods and Statistics
2012-2014	Guest Lecturer	Clinical and Health Psychology
2012-2018	Guest Lecturer	The Psychology of Everyday Life
2012-2015	Guest Lecturer	Key Ideas in Human and Animal Behavior
2011-2018	Tutor	First year and Second year students
2011-2014	Guest Lecturer	Comparative and Developmental Psychology
2011-2012	Instructor	Evolutionary Psychology
2011-2012	Guest Lecturer	Biological Psychology
2008 Fall	Instructor	Research Methods and Statistics Lab
2007 Summer	Unit Coordinator	Introduction to Psychology
2006 Fall	Unit Coordinator	Research Methods and Statistics Lab

**Master's student mentor- Florian Zsok:** Disgust towards faces is unaffected by sexual arousal, but dependent on attractiveness and cues to disease

**2012-2018 Tutor and mentor third year projects:** Responsible for supervising 5-8 student projects per year including writing ethics, analyzing data and helping students write their third year dissertations.

**2012-2018- First year tutorial coordinator:** Responsible for designing and implementing all tutorials, weekly small group readings, activities and assignments in the first year.

**2003-2008 Teaching Assistant:** The Psychology of Sex, Evolutionary Psychology, The Psychology of Human Mating, Introduction to Psychology. For each class I gave lectures on areas of my expertise (e.g. menstrual cycle, disgust)

**2003-2008 Mentor:** Supervised eight undergraduate research projects and over twenty research assistants. With my guidance, four of my former research assistants have gone on to pursue advanced degrees in psychology.

### Awards and Honors

2015- Portsmouth Internal Psychology Grant Award- £7,500

2014- Portsmouth Small Grant Award - £1,500

2008-2009 University of Texas at Austin Endowed Graduate School Fellowship \$27,000

Sept. 2008 American Assoc. of University Women: Doctoral Dissertation Fellowship \$3,000

April 2008 Ford Foundation Diversity Fellowship: Honorable Mention

July 2008 Society for Behavioral Neuroendocrinology Travel Award \$1,000

2003-2004 University of Texas at Austin Preemptive Recruitment Fellowship \$20,000

1999-2003 Hope Scholarship \$36,000

1999-2003 Oglethorpe Scholars Award \$9,000