

CURRICULUM VITAE

Nicole Prause

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POSITION HISTORY

2015-	Founder Liberos LLC Company in the UCLA Startup Program
2014-	Data Scientist ZipRecruiter
2014-2015	Associate Research Scientist Department of Psychiatry University of California, Los Angeles
2012-2014	Assistant Research Scientist Department of Psychiatry University of California, Los Angeles
	Research Scientist Mind Research Network
2010-2012	Research Assistant Professor Department of Psychology University of New Mexico
2007-2010	Assistant Professor Department of Psychology Idaho State University

EDUCATION

Intern	2007	Boston Consortium in Clinical Psychology Rotation (Major): Medical Rehabilitation Rotation (Minor): Neuropsychology
Clinical fellow	2007	Harvard Medical School, Department of Psychiatry
Teaching fellow	2007	Boston University, Department of Psychology
PhD	2007	Indiana University, Bloomington

Dept Psychological and Brain Sciences
Program: Clinical Science
Concentrations: Statistics, Neuroscience
Committee Chair: William P. Hetrick, PhD
Committee member: David H. Barlow, PhD
Committee member: Julia Heiman, PhD

BA 2000 Indiana University, Bloomington, *Summa cum laude*

HONORS

2015 Nominated, Early Career Award, Society for Psychophysiological Research
2013 Best Senior Poster, International Academy of Sex Research Annual Meeting
2012 Elected full member, International Academy of Sex Research
2011 Best Brief Communication, International Academy of Sex Research
2010 Elected member of the International Society for the Study of Women's Sexual Health
2009 Society for Sex Therapy and Research, Best poster award
2007 Student Research Award, Society for Sex Therapy and Research
2006 Elected affiliate member, International Academy of Sex Research
2001 Kinsey Institute Summer Training Program acceptance
2000 BA, Summa cum laude
2000 Departmental honors, Department of Psychology
2000 Senior Achievement Award, Department of Psychology
2000 Senior Achievement Award, Department of Sociology
2000 Excellence in Research Award, Department of Psychology
2000 Psi Chi Award for Outstanding Service

EDITORIAL EXPERIENCE AND SERVICE

2014 Public Relations committee, Society for Psychophysiological Research
2014 Program committee, Society for Psychophysiological Research 2015 annual meeting
2014 Invited luncheon host, *Extreme affect*, Society for Affective Research
2014 Guest editor, *Psychophysiology: Special issue on sexual psychophysiology*
2013 Associate Editor, *PLoS One* (to present)
2013 Instructor, Education Roundtable, Society for Psychophysiological Research
2012 Editorial Board, *Journal of Addiction Research and Therapy* (to present)
2012 Webmaster, Society for Psychophysiological Research, Software Repository
2011 Board of Directors, Journal of Sexual Medicine
2011 Program Committee, Society for Psychophysiological Research 2012 annual meeting
2011 Editorial Board for *Sexuality and Disability* (to present)
2010 Poster chair, International Academy of Sex Research Annual Meeting (and 2011)
2010 Education committee, Society for Psychophysiological Research (to present)

- 2010 Program Committee, International Academy of Sex Research 2011 annual meeting
2010 Editorial Board for *Archives of Sexual Behavior* (to present)
2008 Coach, Girls on the Run (to 2010)

Ad hoc reviewer for American Journal of Psychiatry; Biological Psychology; Biological Psychiatry; Brain Imaging and Behavior; Cognitive, Affective, and Behavioral Neuroscience; Cortex; Hormones and Behavior; Journal of Sex Research; Journal of Sexual Medicine; Psychophysiology; International Journal of Psychophysiology; NeuroImage

MEMBERSHIP

Association for Psychological Science
International Society for the Study of Women's Sexual Health
International Academy of Sex Research
Society for Affective Science
Society for Psychophysiological Research

Grant Support

Current

“Graduated sensory salience as an intervention for intrusive negative thinking”. Co-investigator, R21/33 National Institutes of Health, *Direct costs*: \$2.4 million, *Duration*: 5 years, Principal Investigator: Greg Siegle, PhD; co-Investigators: Tor Wager, PhD, Robert Howland, PhD.

“Clinically Accessible Assessment of Dopamine System Reactivity: Concurrent fMRI/EEG pilot” co-Investigator, Pittsburgh Magnetic Resonance Research Center pilot program, 20 scans, Principal Investigator: Greg Siegle, PhD

“Neurological effects and health benefits of orgasmic meditation” Principal Investigator, *Direct costs*: \$350,000, *Duration*: 2 years, OneTaste Foundation, co-Investigators: Greg Siegle, Ph.D.

Scored revising

“Specifying risk deficits in problem gamblers as compared to two control samples”. Principal investigator, Seed grant, National Center for Responsible Gaming, *Direct costs*: \$25,000, *Duration*: 1 year, co-Investigators: Timothy Pleskac, PhD; Timothy Fong, PhD. **Score (first round): 3.0**

“Regulating approach-motivated positive affect”. Principal investigator, National Science Foundation, *Direct costs*: \$702,685, *Duration*: 3 years, Co-Investigator: Greg Hajcak Proudift, PhD, Marco Iacaboni, MD, PhD, Greg Siegle, PhD.

Unscored revising

“Biological Bases of Stress-Related Disease and Disparities Risks in Underserved Primary Care Patients”, Co-investigator, R01, PI: Gail Wyatt, PhD.

“Theory-based laboratory task for identifying prevention targets in sexual risk behaviors occurring with methamphetamine use”. Principal investigator, R21 National Institutes of Health, *Direct costs*: \$275,000, *Duration*: 2 years, co-Investigator: Edythe London, PhD.

“Brain stimulation methods for improving sexual functioning in women”. Principal investigator, Iris Cantor-UCLA Women’s Health Center Executive Advisory Board/ CTSI Awards, *Direct costs*: \$30,000, *Duration*: 1 year, Co-Investigator: Marco Iacoboni, MD, PhD.

“Brain stimulation to decrease reward cue reactivity in problem gamblers”. Principal investigator, National Center for Responsible Gaming, *Direct costs*: \$150,000, *Duration*: 2 years, Co-Investigator: Marco Iacoboni, MD, PhD, and Greg Siegle, PhD.

In preparation

“Appetitive effects of methamphetamine and HIV risk behaviors”. AVENIR (RFA-DA-15-007), Principal investigator. *Direct costs: to be determined, max \$300,000/year, 5 years.*

Completed

2009-2011 “Effects of alcohol on behavioral activation tendencies during states of reproductive relevance”. Principal investigator, supported by the Alcoholic Beverage Medical Research Foundation, *Direct costs*: \$98,791.

2009-2010 “Reproductive mediators of alcohol’s effect on health risk behaviors”. Principal investigator, intramurally-competitive award from the Idaho State University Humanities/Social Sciences Research Committee, *Direct costs*: \$15,083.

2009-2010 “Neurophysiological indices of motivation variability”. Principal investigator, intramurally-competitive award through Women Empowered to Learn, Educate, Advance, and Develop supported by a National Science Foundation ADVANCE award to Deborah Easterly, PhD, *Direct costs*: \$14,786.

Summer 2008 “Precollege program”. *Co-supervisor* with Ken Bosworth to Kameryn Williams for National Science Foundation EPSCoR grant # EPS-0447689 intramurally-competitive award. *Direct costs*: \$1,200.

Spring 2008 “Neurophysiological processing models of reproductive decision making”. *Principal investigator* for Faculty Research Committee of Idaho State University, Intramurally-competitive award, *Direct costs*: \$4,567.

2006 "The role of emotion, attention, and couple differences in sexual desire". *Principal investigator* for Social Science Research Council fellowship supported by the Ford Foundation *Direct costs*: \$28,000.

2005 "Research Training in Clinical Science". *Clinical science trainee* for an NIMH T-32 intramurally-competitive award. *Direct costs (program, year)*: \$174,000.

2003-2004 "Identity, Self, Role, and Mental Health". *Fellow* for an NIMH T-32 intramurally-competitive award. *Direct cost (2 years, individual fellow)*: \$52,824.

PUBLICATIONS – ACCEPTED OR IN PRINT

* Mentored student author

Bujarski, S., Hutchison, K., **Prause**, N., & Lara R. (2015). Functional significance of subjective response to alcohol across levels of alcohol exposure. *Addiction Biology, manuscript in press*.

Griffiths, M., van Rooij, A., Kardefelt-Winther, D., Starcevic, V., Király, O., Pallesen, S., Müller, K., Dreier, M., Carras, M., **Prause**, N., [...], Quandt, T., Carbonell, X., Ferguson, C., Hoff, R., Derevensky, J., Haagsma, M., Delfabbro, P., Coulson, M., Hussain, Z., & Demetrovics, Z. (2015). Working towards an international consensus on criteria for assessing Internet Gaming Disorder: A critical commentary on Petry et al (2014). [Response letter]. *Addiction, manuscript in press*.

Prause, N., Steele, V. R., *Staley, C., Sabatinelli, D., & Hajcak, G. (2015). Modulation of late positive potentials by sexual images inconsistent with sex addiction. *Biological Psychology, manuscript in press*.

Prause, N., Siegle, G. J., Deblieck, C., Wu, A., & Iacoboni, M. (2015). EEG to primary rewards: predictive utility and malleability by brain stimulation. *revision requested at PLOS One*.

Prause, N., *Park, J., *Leung, S., & Miller, G. (2015). Women prefer larger penises on shorter-term sexual partners: Results from a new method of selecting among 3D-printed penis model. *PLOS One, manuscript in press*.

Prause, N. & Pfaus, J. (2015). Red herring: Hook, line, and stinker [Response letter]. *Sexual Medicine, manuscript online*.

Prause, N. & Pfaus, J. (2015). Viewing sexual stimuli associated with greater sexual responsiveness, not erectile dysfunction. *Sexual Medicine, 3, 90-98*.

- *Moholy, M., **Prause**, N., Proudfit, G. H., Rahman, A., & Fong, T. (2015). Sexual desire, not hypersexuality, predicts self-regulation of sexual arousal. *Cognition & Emotion*, manuscript in press.
- Rooij, A.J.v., **Prause**, N., (2014). A critical review of "Internet addiction" criteria with suggestions for the future, *Journal of Behavioral Addictions*, 3, 203-213.
- Myers, H. F., Wyatt, G. E., Ullman, J. B., Loeb, T. B., Chin, D., Glover, D. A., **Prause**, N., Zhang, M., Marchand, E., Williams, J. & Liu, H. (2014). Cumulative Burden of Lifetime Adversities: Trauma and Mental Health in Low-SES African Americans and Latino/as. *Psychological Trauma: Theory, Research, Practice, and Policy*, 7, 243-51. doi: 10.1037/a0039077.
- Liu, H., **Prause**, N., Wyatt, G. E., Williams, J., Chin, D., Davis, T., . . . Myers, H. F. (2014). Development of a Composite Trauma Exposure Risk Index. *Psychological Assessment*, manuscript in press.
- Prause**, N., *Steele, V. R., Staley, C., & Sabatinelli, D. (2014). Late positive potential to explicit sexual images associated with risky sexual behavior and modulated by reward responsivity. *Social Cognitive and Affective Neuroscience*, 10(1), 93-100. doi: 10.1093/scan/nsu024
- Prause**, N., *Staley, C., & *Roberts, V. (2014). Frontal alpha asymmetry and sexually motivated states. *Psychophysiology*, 51(3), 226-235. doi: 10.1111/psyp.12173
- Ley, D., **Prause**, N., & Finn, P. (2014). The Emperor Has No Clothes: A Review of the 'Pornography Addiction' Model. *Current Sexual Health Reports*, 1-12. doi: 10.1007/s11930-014-0016-8
- Prause**, N., *Moholy, M., & *Staley, C. (2013). Biases for Affective Versus Sexual Content in Multidimensional Scaling Analysis: An Individual Difference Perspective. *Archives of Sexual Behavior*, 1-10. doi: 10.1007/s10508-013-0128-7
- Prause**, N., & Lawyer, S. (2013). Specificity of reinforcement for risk behaviors of the Balloon Analog Risk Task using math models of performance. *Journal of Risk Research*, 17(3), 317-335. doi: 10.1080/13669877.2013.808688
- *Steele, V., **Prause**, N., *Staley, C., & Fong, G. W. (2013). Sexual Desire, not Hypersexuality, is Related to Neurophysiological Responses Elicited by Sexual Images. *Socioaffective Neuroscience of Psychology*, 3, 20770. doi: <http://dx.doi.org/10.3402/snp.v3i0.20770>
- Prause**, N., *Staley, C., & Fong, T. W. (2013). No Evidence of Emotion dysregulation in "Hypersexuals" Reporting Their Emotions to a Sexual Film. *Sexual Addiction & Compulsivity*, 20(1-2), 106-126. doi: 10.1080/10720162.2013.772874

- Prause**, Nicole, *Barela, J., *Roberts, V., & Graham, C. (2013). Instructions to rate genital vasocongestion increases genital and self-reported sexual arousal, but not coherence between genital and self-reported sexual arousal. *Journal of Sexual Medicine*, 10(9), 2219-2231. doi: 10.1111/jsm.12228
- *Staley, C., & **Prause**, N. (2013). Erotica Viewing Effects on Intimate Relationships and Self/Partner Evaluations. *Archives of Sexual Behavior*, 42(4), 615-624. doi: 10.1007/s10508-012-0034-4
- Prause**, N. (2012). A response to Brody, Costa and Hess (2012): theoretical, statistical and construct problems perpetuated in the study of female orgasm. *Sexual and Relationship Therapy*, 27(3), 260-271. doi: 10.1080/14681994.2012.732262
- Reid, R. C., Cooper, E. B., **Prause**, N., Li, D. S., & Fong, T. W. (2012). Facets of perfectionism in a sample of hypersexual patients. *Journal of Nervous and Mental Diseases*, 200(11), 990-995. doi: 10.1097/NMD.0b013e3182718d67
- Prause**, N., *Roberts, V., *Legaretta, M., & *Cox, L. (2012). Clinical and research concerns with vibratory stimulation: a review and pilot study of common stimulation devices, *Journal of Sex and Marital Therapy*, 27(1), 17-34.
- *Roberts, V., & **Prause**, N. (2012). Effects of Individual Differences on the Efficacy of Different Distracters during Visual Sexual Stimulation in Women. *Archives of Sexual Behavior*, 41(1), 297-310.
- Prause**, N. (2011). The human female orgasm: critical evaluations of proposed psychological sequelae, *Sexual and Relationship Therapy*, 26(4), 315-328.
- Rafiee, J., Rafiee, M. A., **Prause**, N., & Schoen, M. P. (2011). Wavelet basis functions in biomedical signal processing. *Expert Systems with Applications*, 38, 6190-6201.
- Prause**, N., *Staley, C. & Finn, P. (2011). The role of acute ethanol consumption in sexual arousal and sexual risk taking, *Archives of Sexual Behavior*, 40(2), 373-384.
- Prause**, N. & Heiman, J. (2010). Reduced labial temperature in response to sexual films with distractors among women with lower sexual desire, *Journal of Sexual Medicine*, 7(2), 951-963.
- Prause**, N., *Williams, K. & Bosworth, K. (2010). Automated wavelet-based denoising of vaginal pulse amplitude, *Psychophysiology*, 47(2), 393-401.
- Prause**, N. & Heiman, J. (2009). Assessing female sexual arousal with the labial thermistor: Response specificity and construct validity, *International Journal of Psychophysiology*, 72, 115-122.

Rafiee, J., Schoen, M. P., **Prause, N.**, & Tse, P. W. (2009). A Comparison of EMG and EEG Signals using Time-Frequency Analysis. *Proceedings of the second IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics*.

Prause, N., Janssen, E., & Hetrick, W. (2008). Attention and emotional responses to sexual stimuli and their relationship to sexual desire. *Archives of Sexual Behavior*, 37(6), 934-959. **Winner: Best Student Manuscript, Society for Sex Therapy and Research.**

Prause, N. & Graham, C. (2006). Asexuality: Predictors and description. *Archives of Sexual Behavior*, 36(3), 341-356.

Prause, N., Cerny, J., & Janssen, E. (2005). Labial Plethysmograph: A new measure of female genital arousal. *Journal of Sexual Medicine*, 2(1), 58-65.

Spencer-Smith, J., Wild, H., Innes-Ker, Å., Townsend, J. T., Duffy, C., Edwards, C., Ervin, K., **Prause, N.**, & Paik, J. W. (2000). Making faces: Creating 3-dimensional, ecologically-motivated poseable expressions. *Behavior Research Methods, Instruments and Computers*, 33, 115-123.

Conference Abstracts and book reviews

Ames, K., **Prause, N.**, Stout, K., & Hetrick, W. P. (2003). Differential effects of affective modulation on orbicularis and post-auricular indices of startle. *Psychophysiology*, 40(Supp 1), S22.

Prause, N., Janssen, E., & Hetrick, W. P. (2003). The role of attention and affective response to sexual cues in the experience of sexual desire and sexual arousal. *Psychophysiology*, 40 (Supp 1), S69.

Prause, Nicole. (2002). BOOK REVIEW: Celibacy, Culture, and Society: The anthropology of sexual abstinence. *Archives of Sexual Behavior*, 31, 84-86.

PUBLICATIONS - UNDER REVIEW

Prause, N., Kuang, L., Lee, P. M., & Miller, G. (2015). False dichotomies: "Clitoral" versus "vaginal" orgasms. *revision requested at the Journal of Sexual Medicine*.

Griffiths, M., van Rooij, A., Kardefelt-Winther, D., Starcevic, V., Király, O., Pallesen, S., Müller, K., Dreier, M., Carras, M., **Prause, N.**, King, D., Aboujaoude, E., Kuss, D., Pontes, H., Lopez Fernandez, O., Nagygorgy, K., Achab, S., Billieux, J., Quandt, T., Carbonell, X., Ferguson, C., Hoff, R., Derevensky, J., Haagsma, M., Delfabbro, P., Coulson, M., Hussain, Z., Demetrovics, Z. (2015). Is there really an international consensus on assessing Internet Gaming Disorder? A response to Petry et al (2014). *Addiction, manuscript under review*.

Prause, N., Graham, C., Zaman, F., & Conklin, M. (2015). Avoidance of sex cues, but not sexual behaviors, in women reporting pain during intercourse. *Journal of Pain, manuscript under review.*

Prause, N., Loeb, T., Williams, J., Chin, D., Honghu, L., & Wyatt, G. (2015). Relationships between Stress Biomarkers and Sexual Activity of Men and Women with Histories of Trauma. *manuscript under review at Journal of Sexual Medicine.*

Prause, N. & Hajcak Proudfit, G. (2015). A first study of human sexual “deprivation” suggests improved regulation. *manuscript under review at Journal of Experimental Psychology: General.*

PUBLICATIONS - IN PREPARATION

Prause, N. & Siegle, G. (2015). Mechanisms of sustained positive affect: Preparing, engaging, leaning in, and letting go. *manuscript in preparation.*

Prause, N., Sanjuan, P. Hendershot C., Ray, L. & Hutchison K. (2014). OPRM1 and CNR1 and Subjective Response to an Acute Ethanol Infusion: Evidence for a Gene by Drinking History Interaction. *manuscript in preparation.*

Zaman, F., Conklin, M., **Prause, N.**, & Fong, T. (2014). Women experiencing pain during sex report more sexual risk behaviors. *manuscript in preparation.*

Prause, N., Harmon-Jones, E., Mustanski, B., Miner, M., & Pfaus, J. (2014). Overview of risk, safety, and privacy issues associated with sex research.

Prause, N., Siegle, G., Cunningham, W., Klonsky, D., & Gruber, J. (2014). Clinical relevance of mixed emotion states.

Prause, N., Davis, K. C., Staley, C., Moholy, M., & Finn, P. (2014). Risk intentions increase with alcohol due to enhanced salience of excitatory, not decreased processing of inhibitory, cues.

*Moholy, M., Berg, S., Tappan, D., & **Prause, N. (2014).** Penile thermistor as a measure of sexual response in men: Comparison with mechanical strain gauge.

PUBLICATIONS – NOT PEER REVIEWED

Janssen, E., & **Prause, N. (2015).** *The sexual response system.* In J. T. Cacioppo, L. G. Tassinary, & G. G. Berntson (Eds.), *Handbook of Psychophysiology (4th edition).* New York: Cambridge University Press.

Prause, N. & Fong, T. (2015). Visual sexual rewards in the brain and behavior. In Shira Tarrant and Lynn Comella (Eds.) *New Views on Pornography*. Praeger Press.

Prause, N., & Harenski, C. L. (2013). Inhibition, Lack of Excitation or Suppression: fMRI Pilot of Asexuality. In K. J. Cerankowski & M. Milks (Eds.), *Asexualities: Feminist and Queer Perspectives*: Taylor & Francis/Routledge Books.

Prause, N., & Graham, C. A. (2009). Asexuality: Classification and Characterization. In J. K. D. Sr., N. B. Moore & T. D. Fisher (Eds.), *Speaking of Sexuality: Interdisciplinary Readings* (3rd ed.). Oxford: Oxford University Press.

Janssen, E., Geer, J., & **Prause, N.** (2005). *The sexual response system*. In J. T. Cacioppo, L. G. Tassinary, & G. G. Berntson (Eds.), *Handbook of Psychophysiology* (3rd edition). New York: Cambridge University Press.

Prause, N., & Janssen, E. (2005). Blood flow: Vaginal photoplethysmography. In I. Goldstein, C. M. Meston, S. Davis & A. Traish (Eds.), *Textbook of Female Sexual Dysfunction*. London: Taylor & Francis Medical Books.

PRESENTATIONS

**Supervised student presenter*

Sex to promote general health

Prause, N. (July, 2015). Sex to promote general health. Keynote speaker at the World Association for Sexology annual meeting, Singapore.

Miller, G. & **Prause, N.** (May, 2015). Women prefer larger penises in short-term mating: Results from selection among 3D-printed models. Talk at the Human Behavior and Evolution Society annual meeting, Missouri.

Moholy*, M., **Prause, N.** (August, 2015). Using brain stimulation to change reward hypersensitivity in high-partner heterosexuals. Symposium speaker at the International Academy of Sex Research annual meeting, Toronto, CA.

Prause, N. (August, 2015). Differences in Sexual Response - Sex Drive versus Gender. Symposium speaker at the International Academy of Sex Research annual meeting, Toronto, CA.

Prause, N. (May, 2015). Advances in Women's Sexual Health. Invited speaker at the UCLA annual Women's Conference, Conejo Valley, CA.

Prause, N. Siegle, G., Deblieck, C. Iacoboni, M. (April, 2015). *Brain stimulation to enhance the anticipation of sexual stimulation*. Talk at the Society for Affective Science annual meeting, Oakland, CA.

Prause, N. (February, 2015). *Models matter: Experimental studies falsify addiction predictions of frequent sexual behaviors*. Invited speaker at the International Society for the Study of Women's Sexuality annual meeting, Austin, TX.

*Leung, S., *Park, J., & **Prause, N.** (May, 2014). *Women prefer larger penis girth in one-time sexual partners than in long-term partners*. Poster at the Association for Psychological Science annual meeting, San Francisco, CA.

Prause, N. (May, 2014). *What are sexual arousal, desire, and orgasm: Reward, motivation, pleasure or affect?* Presentation at the Association for Psychological Science annual meeting, San Francisco, CA.

Prause, N. (May, 2014). *What are sexual arousal, desire, and orgasm: Reward, motivation, pleasure or affect?* Presentation at the Association for Psychological Science annual meeting, San Francisco, CA.

Prause, N. (April, 2014). *Extreme affect in the laboratory*. Presentation at the Society for Affective Science annual meeting, Bethesda, MD.

*Moholy, M., Staley, C., & **Prause, N.** (November, 2013). *Experimental and First Functional Neuro Studies of the Sex Addiction Model*. Presentation at the Society for the Scientific Study of Sexuality annual meeting, San Diego, CA.

Prause, N. (October, 2013). *Sexual Addiction and Neuroscience*, Grand Rounds at Semel/UCLA Neuropsychiatric Institute, Los Angeles, CA.

Prause, N. (October, 2013). *Sexual arousal, hypersexual behaviors, and risk*, invited talk at Giessen University in Giessen, Germany.

Prause, N. & Siegle, G. (October, 2013). *Sexual arousal and orgasm as model reward systems for EEG study*, part of the symposium *Extreme EEG*, Presentation at the Society for Psychophysiological Research annual meeting, Florence, Italy.

*Moholy, M., Staley, C., & **Prause, N.** (July, 2013). *Experimental and First Functional Neuro Studies of the Sex Addiction Model*. Presentation at the International Academy of Sex Research annual meeting, Chicago, IL.

Siegle, G. & **Prause, N.** (July, 2013). *How is sex reinforcing? Let us count the ways*. Poster at the International Academy of Sex Research annual meeting, Chicago, IL. **Winner: Best Senior Poster.**

*Henry, S. H., *Berg, S., B., & **Prause, N.** (September, 2012). *Penile temperature and strain gauge: Reliable indicators of sexual arousal permitting cross gender comparisons*. Poster at the Society for Psychophysiological Research. New Orleans, LA.

Prause N. & Harenski, C. (August, 2012). *Down-regulation, suppression, or low arousability: fMRI-informed speculations about the nature of low sex drive in asexuality*, Presentation at the International Academy of Sex Research Annual Meeting. Estoril, Portugal.

Prause N. (October, 2011). *Alcohol and sexual motivation influences on sexual risk intention*, Presentation at the Society for the Scientific Study of Sexuality Annual Meeting. Houston, TX.

Prause N. (September, 2011). *Unique design concerns imaging sexual reward processing*, Symposium chair and presenter at the Society for Psychophysiological Research Annual Meeting. Boston, MA.

*Staley, C. & **Prause, N.** (August, 2011). *Sexual Addiction, Higher Sexual Drive, or Compulsivity? Mixed Emotional and Neural Response to Erotic Films Among Individuals Engaging in Problematically Frequent Sexual Behaviors*. International Academy of Sex Research annual meeting, Los Angeles, CA. **Winner: Best Brief Communication.**

*Moholy, M. & **Prause, N.** (August, 2011). *Math modeling Iowa Gambling Task under conditions of approach motivation*. Poster presented at the International Academy of Sex Research annual meeting, Los Angeles, CA.

Prause N. (February, 2011). *Peripheral arousal v Neuroscience: Discordance flipped by gender with index of central activation*, Poster presented at the International Society for the Study of Women's Sexual Health Annual Meeting. Scottsdale, AZ.

Prause N. (August, 2010). *Influences of fast attention or awareness on later sexual response*, Symposium chair and presenting at the International Academy of Sex Research Annual Meeting. Prague, Czech Republic.

*Moholy, M. & **Prause, N.** (2010, May). Using multidimensional scaling to model attentional differences to sexual and affective pictures. Poster presented at the annual conference of the Association for Psychological Science, Boston, MA.

*Roberts, V. and **Prause, N.** (October, 2009). *Using asymmetric electroencephalographic band activity to examine sexual motivation*, Poster presented at the Society for Psychophysiological Research Annual Meeting. Berlin, Germany.

Prause N. (October, 2009). *Approaches to approach motivation: Psychophysiological measures characterize motivation to pursue intimate relationships and sexual arousal*, Symposium chair and presenting at the Society for Psychophysiological Research Annual Meeting. Berlin, Germany.

- *Staley, C. and **Prause N.** (August, 2009). *Erotica viewing effects on intimate relationships and self/partner evaluations*, Poster presented at the International Academy of Sex Research Annual Meeting. San Juan, Puerto Rico.
- Prause N.** (August, 2009). *EEG asymmetry sensitive to approach and avoidance motivation in response to sexual stimuli: An application to those with problems controlling their viewing of sexual stimuli*, Poster presented at the International Academy of Sex Research Annual Meeting. San Juan, Puerto Rico.
- Prause N.** (July, 2009). *Erectile response deficits at higher alcohol dose characterized by early, low response autocorrelation*, Poster presented at the Research Society on Alcoholism Annual Meeting. San Diego, CA.
- Prause, N.** (May, 2009). *New empirically supported treatments for women's sexual difficulties*, Invited talk at the annual meeting of the Idaho Psychological Association, Coeur D'Alene, Idaho.
- Rafiee J, Rafiee MA, **Prause N.** & Schoen MP. (April, 2009). *Biorobotics: Optimized Biosignal Classification using Mother Wavelet Matrix* Proceeding of IEEE 35 Annual Northeast Bioengineering Conference, Harvard-MIT Division of Health Sciences & Technology, Cambridge, MA.
- Rafiee J, Rafiee MA, & **Prause N.** (April, 2009). *Biosignals: PsychoPhysio-Signal Processing Concept*, Proceedings of IEEE 35 Annual Northeast Bioengineering Conference. Harvard-MIT Division of Health Sciences & Technology, Cambridge, MA.
- Rafiee, J., Rafiee, J.M., **Prause, N.** & Tse, P.W., (February, 2009). *Application of Daubechies 44 in machine fault diagnostics*, 2nd IEEE International Conference on Computer, Control and Communication, Karachi, Pakistan.
- Rafiee, J., Rafiee, J.M., **Prause, N.** & Tse, P.W. (February, 2009). *Automatic frequency extraction using sinusoidal approximation and wavelet transform*, 2nd IEEE International Conference on Computer, Control and Communication, Karachi, Pakistan.
- Rafiee, J. Schoen, M.P., **Prause, N.** Urfer, A. & Rafiee, M.A. (February, 2009). *A comparison of forearm EMG and psychophysical EEG signals using statistical signal processing*, 2nd IEEE International Conference on Computer, Control and Communication, Karachi, Pakistan.
- Prause, N.** & *Emfield, A. (2009, May). *Stimulus novelty (P300) supports interpretation of EEG asymmetry as motivationally-driven*. Poster accepted for presentation at the Association for Psychological Science, San Francisco, CA.

Prause, N. (2009, April). *Frontal alpha asymmetry as a motivation index not influenced by stimulus novelty*. Poster accepted for presentation at the Event-related potentials International Congress annual meeting, Bloomington, IN.

*Roberts, V. & **Prause, N.** (2009, April). *Examining the relationship between thought content of cognitive distraction, relationship satisfaction and sexual desire*. Poster presented at the Society for Sex Therapy and Research annual meeting, Arlington, VA. **Winner: Best student poster award.**

Prause, N. (2009, January). EEG and Thee: An introduction to entice you to play with sensors. Invited presentation for the Clinical Psychology series of Idaho State University, Pocatello, Idaho.

*Hillman, C. B., *Hansis-O'Neill, B. L., & **Prause, N.** (2008, October). *Response regulation to sexual stimuli in those reporting problems with viewing: A P300 study*. Poster presented at the Snake River Association for Neuroscience annual meeting, Pocatello, ID.

Prause, N., & Hetrick, W. (2008, October). *Higher sexual arousability is related to lower attention to sex stimuli*. Symposium presentation at the Society for Psychophysiological Research annual meeting, Austin, TX.

*Hansis-O'Neill, B., & **Prause, N.** (2008, October). *Predicted erectile response compared to actual erectile response in intoxicated males*. Poster presented at the Society for Psychophysiological Research Annual Meeting, Austin, TX.

Prause, N., *Hillman, C., & *Emfield, A. (2008, July). *Asymmetric encephalographic band activity characterizes sexual motivation subverting self-report requirements*. Poster presented at the Annual meeting of the International Academy of Sex Research, Leuven, Belgium.

Prause, N., & O'Farrell, T. J. (2008, July). *Feelings about sexual satisfaction and sexual functioning over time in male alcoholics engaged in couples' alcoholism treatment*. Poster presented at the Research Society on Alcoholism, Washington DC.

Rafiee, J., Tse, P. W., Schoen, M. P., **Prause, N.,** & Tolle, C. (2008). *Pattern Extraction of Vibration Signals using Time Analysis of Time-Frequency Approach*. Paper presented at the Annual Conference of the IEEE Industrial Electronics Society, Orlando, FL.

Rafiee, J., Tse, P. W., Schoen, M. P., **Prause, N.,** & Tolle, C. (2008). *Daubechies 44: The Best Function for Gearbox Diagnostics*. Paper presented at the Annual meeting of the IEEE Industrial Electronics Society, Orlando, FL.

Prause, N. (2008, May). *Sexual Arousal Myopia? Evidence for High Motivation, Pleasant Stimuli Varying With Trait Sexual Arousability*. Poster presented at the Association for Psychological Science, Chicago, IL.

Prause, N. (2008, April). *Electroencephalographic measures of attention to high-motivation, approach cues in humans*. Invited presentation for the Biomedical Research Institute Seminar Series, Pocatello, ID.

Prause, N. (2007, October). *Sensate Focus: The standard of sex therapy?* Invited presentation for the Clinical Psychology series of Idaho State University, Pocatello, Idaho.

Prause, N. (2007, September). *Sexual psychophysiological studies in women*. Invited presentation for the Women's Studies Program of Idaho State University, Pocatello, Idaho.

Prause, N., Janssen, E. & Hetrick, & William P. (2007, March). *Attention modulation to sexual stimuli and their relationship to sexual responsivity*. Invited paper for the annual meeting of the Society for Sex Therapy and Research, Atlanta, Georgia.

Prause, N. & Heiman, J. (2006, July). *Response specificity and construct validity of the labial thermistor as compared with the vaginal photoplethysmograph*. Poster session presented at the annual meeting of the International Academy of Sex Research, Amsterdam, Netherlands.

Prause, N., Janssen, E., & Hetrick, William P. (2006, July). *Attention and emotional responses to sexual stimuli and their relationship to sexual desire*. Poster session presented at the annual meeting of the International Academy of Sex Research, Amsterdam, Netherlands.

*Librach, G. R., *Harris, J., & **Prause, N.** (2006, May). *Transfer of orgasm consistency to partner setting moderated by sexual desire*. Poster session presented at the annual meeting of the Association for Psychological Science, New York, NY.

Prause, N. (2005, June). *Labial photoplethysmography*. Paper for the annual meeting of the World Congress of Sexology, Montreal, Canada.

Janssen, E., **Prause, N.**, & Hahn, S. (2004, November). *Mood, sexual arousal, and sexual risk taking*. In Mustanski, B. (Symposium chair), *Mood and Sexuality*. Invited symposium presented at the Society for the Scientific Study of Sexuality, Orlando, Florida.

Prause, N., Janssen, E., & Hetrick, W. (2004, November). *The role of emotion and attention in variations in sexual desire*. In Mustanski, B. (Symposium chair), *Mood and Sexuality*. Paper presented at the annual conference of the Society for the Scientific Study of Sexuality, Orlando, Florida.

Prause, N. (2004, October). The role of emotion and attention in variations in sexual desire. Paper presented at the annual meeting of the Social Science Research Council, Bloomington, IN.

Prause, N. (2004, May). Determining sexual desire. Paper presented at the Kinsey Institute Interdisciplinary Seminar Series, Bloomington, IN.

Prause, N. & Janssen, E. (2004, June). Four approaches to the processing of vaginal pulse amplitude (VPA) signals. Poster session presented at the annual meeting of the International Academy of Sexuality Research, Helsinki, FI.

Prause, N. & Graham, C. A. (2003, November). Asexuality: A preliminary investigation. Poster session presented at the annual meeting of the Society for the Scientific Study of Sexuality, San Antonio, TX.

Ames, K., **Prause, N.**, Stout, K., & Hetrick, W. P. (2003, November). Differential effects of affective modulation on orbicularis and post-auricular indices of startle. Poster session presented at the annual meeting of the Society for Psychophysiological Research, Chicago, Illinois.

Prause, N., Janssen, E., & Hetrick, W. (2003, November). The role of attention and affective response to sexual cues in the experience of sexual desire and sexual arousal. Poster session presented at the annual meeting of the Society for Psychophysiological Research, Chicago, Illinois.

Prause, N. (2003, November). Don't get it, don't want it, don't care: Constructing Asexuality. Paper presented at the Gay, Lesbian, Bisexual, Transsexual organization, Bloomington, IN.

Prause, N., Janssen, E., & Hetrick, W. (2003, July). The effects of early processing of sexual cues on subsequent sexual functioning: A pilot study. Poster session presented at the annual meeting of the International Academy of Sex Research, Bloomington, Indiana.

Prause, N., Janssen, E., Cohen, J., & Finn, P. (2002, June). Effects of acute ethanol consumption on sexual arousal and sexual risk taking. Poster session presented at the annual meeting of the International Academy of Sex Research, Hamburg, Germany.

Prause, N. & Finn, P. (2002, June). No modulation of sexual risk taking and excitement seeking relationship by cognitive capacity. Poster session presented at the annual meeting of the American Psychological Society, New Orleans, LA, United States.

Prause, N. (2002, May). Effects of acute ethanol consumption on sexual arousal and sexual risk taking. Paper presented at the National Institutes of Mental Health Program in Identity, Self, Role, and Mental Health, Department of Sociology, Bloomington, IN.

Prause, N., Weinberg, M., & Graham, C. A. (2002, March). Rethinking low sexual desire: The desire construct and asexuality. Paper presented at the Clinical Colloquium series of the Indiana University Department of Psychology in Bloomington, Indiana, United States.

Cerny, J., **Prause, N., & Janssen, E.** (2001, October). A new instrument assessing genital hemodynamic changes in women. Poster session presented at the annual meeting of the Female Sexual Functioning Forum, Boston, MA.

Prause, N., Graham, C. A., & Janssen, E. (2001, June). No concordance between subjective and physiological sexual arousal in women: Different instructions, different correlations. Poster session presented at the annual meeting of the American Psychological Society, Toronto, Ontario, Canada.

Prause, N., Graham, C. A., & Janssen, E. (2001, June). Effects of different instructions on within- and between-subject correlations of physiological and subjective sexual arousal in women. Poster session presented at the annual meeting of the International Academy of Sex Research, Montreal, Canada.

RESEARCH EXPERIENCE

2005-2007 Predoctoral Research Fellow

Sexual Studies Laboratory

Supervisor: Julia Heiman, Ph.D.

2004-2007 Predoctoral Research Fellow

Psychopathology and Neuropsychometry Laboratory

Supervisors: William Hetrick, Ph.D.

2002-2004 Predoctoral Research Fellow

The Kinsey Institute for Research Psychophysiological Laboratory

Supervisors: William Hetrick, Ph.D.; Erick Janssen, Ph.D.

2000-2002 Graduate Research Assistant

Biobehavioral Alcohol Research Laboratory

Supervisor: Peter Finn, Ph.D.

1999-2000 Laboratory Coordinator

The Kinsey Institute for Research Psychophysiological Laboratory

Supervisors: John Bancroft, M.D.; Erick Janssen, Ph.D.

1998 Undergraduate Research Assistant

Smoking Patterns Project

Supervisor: Steven Sherman, Ph.D.

CONSULTANT

Research psychologist consulted for pharmaceutical trial design and analysis for Eli Lilly, Indianapolis, IN, November 2001-June 2002.

Psychophysiology analyst for Discovery Channel Canada, Bloomington, IN, July 2004.

Negotiating research consulting

OneTaste

Ultimate Gaming

ADDITIONAL TRAINING

November 18-20, 2010 fMRI Acquisition and Analysis Course presented by Kent Kiehl, Vince Calhoun, & Tor Wager at the Mind Research Network.

October 21, 2009 Introduction to Time-Frequency Analysis Workshop presented by Edward Bernat, Selin Aviyente, Steve Malone and Vaughn Steele at the Society for Psychophysiological Research Annual Meeting.

May 22, 2009 Mixed Models for Longitudinal Data Analysis presented by Don Hedeker, PhD at the Association for Psychological Science Annual Meeting.

April 20-22, 2009 7th EEGLab workshop presented by Mark Makeig, PhD, Julie Onton, PhD, and Arnaud Delorme, PhD. *Focus:* ICA analysis for signal cleaning and blind source localization using EEGLab Matlab Toolbox.

TEACHING EXPERIENCE

Doctoral students mentored

Name

Current position

Maxwell Moholy, MS Doctoral candidate, Idaho State University

Cameron Staley, PhD Counselor, Idaho State University

Verena Roberts, PhD Clinician, Kaiser Permanente

Courses

Title

Audience

Semester

		s taught
Behavioral Medicine Practicum	Advanced doctoral	2
Sex and Couples Practicum	Advanced doctoral	4
Human Psychophysiology and Time Series	Advanced doctoral	1
Laboratory experience	Undergraduate (psychology, computer science, engineering, physics, biology)	> 24
Advanced Statistics	Advanced undergraduates	5
Research Methods	Undergraduates	1
Psychology of Women Seminar	Advanced undergraduates	1
Introduction to Psychology	Undergraduate	1
Introduction to Human Sexuality (section instructor)	Undergraduate	1
Personality Psychology	Undergraduate	1
Constructing Human Sexuality (teaching assistant)	Doctoral (Sociology)	1

REFERENCES

Julia Heiman, PhD
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 1165 E. Third St.
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