Personal Information

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Educational History

University of Oregon	Ph.D.	1994	Psychology (cognitive)	
Dissertation: Neural systems of visual target detection: Human event-related				
potential studies. (Advisors: Tucker, DM, Posner, MI)				
University of Oregon	MS	1991	Psychology	
University of Oregon	BA	1989	Psychology (magna cum laude)	

Professional Positions

8/10 - present	Associate Professor of Psychology University of South Florida, Department of Psychology
9/12 - 8/13	Visiting Professor University of Arizona, Department of Psychology
8/06- 7/10	Assistant Professor of Psychology University of South Florida, Department of Psychology
7/98-6/06	Assistant Professor of Psychology Rice University, Department of Psychology
7/97-6/98	Instructor of Psychology Harvard Medical School, Department of Psychiatry
9/96-6/97	Clinical Fellow in Psychology Harvard Medical School, Department of Psychiatry

- 9/94-8/96 Clinical Research Training Fellow Harvard Medical School, Department of Psychiatry
- 9/94 6/98 Research Associate

NIH RO1 DA14073: ERP studies of neural systems of salience evaluation; 6/01-11/05; (Potts: PI)

NARSAD Young Investigators Award: The Visual N2b Deficit in Schizophrenia as an Index of Disruption in Communication Between Posterior Systems of Stimulus Representation and Frontal Systems of Attention; \$59,816 (Potts, PI)

NSF: Web-based multimedia textbook in the behavioral neurosciences. (D. Lane, PI; Potts: co-investigator)

Livingston Award, Harvard Medical School: An ERP Study of Spatial and Object selection in Schizophrenia; \$10,000 (Potts, PI)

NIH RO1

Learning & Memory Neuropsychologia Neuroreport Neuroscience Letters Perceptual & Motor Skills Personality and Individual Differences Psychophysiology Schizophrenia Bulletin Social, Affective, and Cognitive Neuroscience

Educational Activities

Courses Taught

Abnormal Behavior (undergrad) Biopsychology/Physiological Psychology/ Brain Mechanisms of Behavior (undergrad & grad) Learning and Memory (undergrad & grad) Perception (undergrad & grad) The Nature of Emotion Seminar (undergrad & graduate) Methods in Cognitive Neuroscience (graduate) Topics in Neuroscience Seminar (graduate)

Research Supervision

William Watson: USF Psychology Honors, "Personality and Brain Activity in Social Poker Players" (medical student, New York Medical College, Valhalla NY)

Neha Pandit: USF Psychology Honors, "Cue Reactivity in Smokers: An ERP Study"

Melissa Silva: USF Honors "Impulsivity and Error Monitoring" (currently medical student, University of South Florida)

Michelle Rogers: USF Psychology Honors, "Impulsivity and the Reward System: Negative and Positive Urgency are Associated with Neural Reward Sensitivity" (The George Washington University, Candidate, Master of Public Health in Health Promotion)

Andrew Vieira: USF Honors, "Neural Response to Aversive and Appetitive Stimuli in Anxiety and Depression" (starting Vanderbilt School of Medicine, Fall 2020)

Steven Ford: "Independent Effects of Reward on Attention" (In psychology graduate school at UCF)

Kallen Hager: "

Deyar Asmaro (Simon Fraser University, Clinical Psychology, Outside Member) John Correa (USF, Clinical Psychology) Sara 'Leilani' Kellogg (USF, Cognitive Neural Social Psychology) Andrea Ranieri (USF, Cognitive Neural Social Psychology) Ke Tong (USF, Cognitive Neural Social Psychology) Ben Luongo (Interdisciplinary Global Studies; defense external chair) Isabel Taake (Psychology, Simon Fraser University, external member)

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NIH conflict-of-interest review panel (ZRG1 RPHB-A 02 M: Risk Prevention and Health Behavior) NIH special emphasis panel (ZDA1 SXC-E 03: Behavioral Pharmacology and Genetics: Translating and Targeting Individual Differences) NIH special emphasis panel (ZDA1 KXH-C 07): Brain Imaging of transdiagnostic psychiatric sample. Clinical Neurophysiology, 132, 1526 - 1536. https://doi.org/10.1016/j.clinph.2021.02.398

- Soder, H. E.*, Suchting, R., & Potts, G. F. (2020). Electrophysiological responses to appetitive and aversive outcomes: A comparison of college drinkers and nondrinkers. Neuroscience Letters, 714, 134549. https://doi.org/10.1016/j.neulet.2019.134549
- Soder, H.E.*, Webber, T.R.*, Bornovalova, M.A., Park, J.Y., & Potts, G.F., (2019). A Test of Dopamine Hyper- and Hyposensitivity in Alcohol Use. Addictive Behaviors, 90, 395-401. https://doi.org/10.1016/j.addbeh.2018.12.002
- Webber, TA*, Soder, HE*, Potts, GF, Park, JY, Bornovalova, MA (2018). Preliminary Evidence that Digit Length Ratio (2D:4D) Predicts Neural Response to Delivery of Motivational Stimuli. Biological Psychology, 132, 91-91. <u>https://doi.org/10.1016/j.biopsycho.2017.11.008</u>
- 5. Soder, HE*, & Potts, GF (2018). Medial frontal cortex response to unexpected motivationally salient outcomes. International Journal of Psychophysiology, 132, 268-276. doi:https://doi.org/10.1016/j.ijpsycho.2017.11.003
- Oliver, JA*, Evans, DE, Addicott, MA, Potts, GF, Brandon, TH, Drobes, DJ (2017). Nicotine Withdrawal Induces Neural and Behavioral Deficits in Reward Processing. Nicotine & Tobacco Research, 19(6), 686-693.
- 7. Johnson, PL*, Potts, GF, Sanchez-Ramos, J, Cimino, CR (2017). Self-reported impulsivity in Huntington's disease patients and relationship to executive dysfunction and reward responsiveness. Journal of Clinical and Experimental Neuropsychology, 39(7), 694-706.
- Webber, TA*, Soder, HE*, Potts, GF, Park, JY, Bornovalova, MA (2017). Neural Outcome Processing of Peer-Influenced Risk-Taking Behavior in Late Adolescence: Preliminary Evidence for Gene × Environment Interactions. Experimental and Clinical Psychopharmacology, 25(1), 31-40.
- 9. Soder, HE*, de Dios, C*, Potts, GF (2016). The Role of the Neural Reward System in Attention Selection. Neuroreport, 27(10), 787-80.
- 10. Bedwell, J.S., Potts, G.F., Gooding, D.C., Trachik, B.J., Chan, C.C., & Spencer, C.C. (2016). Transdiagnostic psychiatric symptoms and event-related potentials

- 12. Potts, GF, Litvin, EB*, Drobes, DJ, Evans, DE (2014). Neural Reward and Punishment Sensitivity in Cigarette Smokers. Drug and Alcohol Dependence, 144, 245–253.
- Litvin, EB*, Potts, GF, Evans, DE, Drobes, DJ (2013). Cue Reactivity in Smokers: An Event-Related Potential Study. International Journal of Psychophysiology, 90(2),258-64.
- Potts, GF (2011). Impact of Reward and Punishment Motivation on Behavior Monitoring as Indexed by the Error Related Negativity. International Journal of Psychophysiology, 81, 324-331.
- Martin, LE*, Potts, GF (2011). Medial Frontal Event Related Potentials and Neural Reward Prediction: Do Responses Matter? Brain & Cognition, 7, 128-134.
- 16. Potts, GF, Martin, LE*, Kamp, SM*, Donchin, E (2011). Neural Response to Action and Reward Prediction Errors: Comparing the Error Related Negativity to Behavioral Errors and the Feedback Related Negativity to Reward Prediction Violations. Psychophysiology, 48(2), 218-228.
- Martin, LE*, Potts, GF, Burton, P*, Montague, PR (2009). Electrophysiological and Hemodynamic Responses to Reward Prediction Violation. Neuroreport, 20(13), 1140-1143.
- Martin, LE*, Potts, GF (2009). Impulsivity in Decision-Making and Reward Processing: An Event-Related Potential Investigation. Personality and Individual Differences, 46, 303-308.
- 19. Potts, GF, Wood, SM*, Kothmann, D*, Martin, LE* (2008). Parallel perceptual enhancement and hierarchic relevance evaluation in an audio-visual conjunction task. Brain Research, 1236, 126-139.
- Wood, SM*, Potts, GF, Martin, LE*, Kothmann, D*, Hall, JF, Ulande, JB. (2007). Disruption of auditory and visual attention in schizophrenia. Psychiatry Research: Neuroimaging, 156(2), 105-116.
- 21. Stotts, AL, Potts, GF, Ingersoll, G*, George, MRM*, Martin, LE* (2006). Preliminary feasibility and efficacy of a brief motivational intervention with psychophysiological feedback for cocaine abuse. Substance Abuse, 27(4), 9-20.
- 22. Potts, GF, Martin, LE*, Burton, P*, Montague, PR (2006). When things are better or worse than expected: Medial frontal cortex and the allocation of processing resources. Journal of Cognitive Neuroscience, 18(7), 1111-1119.

- 23. Wilson, RK, Stevenson, R, Potts, GF (2006). Brain activity in the play of dominant strategy and mixed strategy games. Political Psychology, 27(3), 459-478.
- 24. Wood, SM*, Potts, GF, Hall, JF, Ulanday, JB, Netsiri, C (2006). Event-related potentials to auditory and visual selective attention in schizophrenia. International Journal of Psychophysiology, 60(1), 67-75.
- 25. Potts, GF, George, MR*, Martin, LE*, Barratt, ES (2006). Reduced punishment sensitivity in neural systems of behavior monitoring in impulsive individuals.
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- 36. Kwon, J-S, O'Donnell, BF, Wallenstein, GV, Greene, RW, Hirayasu, YO, Nestor, PG, Hasselmo, ME, Potts, GF, Shenton, ME, & McCarley, RW (1999). Gamma frequency range abnormalities to auditory stimulation in schizophrenia. Archives of General Psychiatry, 56 (11), 1001-1005.
- 37. O'Donnell, BF, McCarley, RW, Potts, GF, Salisbury, DF, Nestor, PG, Hirayasu, YO, Niznikiewicz, MA, , Barnard, J, Shen, ZJ, Weinstein, DM, Bookstein, F, & Shenton, ME (1999). Identification of neural circuits underlying P300 abnormalities in schizophrenia. Psychophysiology, 36 (3), 388-398.
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Schizophrenia and the disconnected brain: Evidence from electrical fields. (Sept. 2000). Neuroscience Research Center, University of Texas at Houston Medical School.

Visual cortex mapping with transcranial magnetic stimulation (Feb. 2000). Houston Society for Biomedical Engineering, Houston

Research Imaging Center, University of Texas Health Sciences Center at San Antonio (Feb. 1999). Mapping the TMS visual suppression effect on the cortical surface..

An ERP index of a modality independent frontal system of selective attention and its disruption in schizophrenia (Feb. 1999). Research Imaging Center, University of Texas

de Dios, C**, Ford, S*, Potts, GF (Sept 2019). Comparing Reward and Instruction in Target Detection. Society for Psychophysiological Research, Washington DC.

de Dios, C**, Potts, GF (Oct. 2018). Learning To Associate Reward Values With Cues. Society for Psychophysiological Research, Quebec City, CA.

Kiebel, E^{**}, O'Leary, C^{**}, Potts, G, Bosson, J (2018). Gender And Sexual Prejudice As Predictors Of MFN Responses To Gay And Lesbian Sexual Imagery. Society for Psychophysiological Research, Quebec City, CA.

Yu, X^{**}, Donchin, E, Potts, GF (Oct. 2018). Effect Of Introceptive And Extroceptive Attention On The Dissociation Of The ERN And PE. Society for Psychophysiological Research, Quebec City, CA.

Vieira, A.B.*, Soder, H.E.**, & Potts, G.F. (Oct. 2017). Differentiating Neural Responses to Appetitive and Aversive Stimuli in Anxiety and Depression. Society for Psychophysiological Research, Vienna, Austria.

Soder, H.E.** & Potts, G.F (Oct. 2017). Medial Frontal Cortex Response to Appetitive and Aversive Outcomes in a Gambling Task. Society for Psychophysiological Research, Vienna, Austria.

Webber, T.A.**, Soder, H.E.**, Potts, G.F., and Bornovalova, M.A. (Oct. 2017). Fetal Programing Effects on Neural Response to Motivational Stimuli and Drinking Behavior. Society for Psychophysiological Research, Vienna, Austria.

de Dios, C**, Potts, GF (Oct. 2017). Reward's impact on attention: Cue-like or targetlike? Society for Psychophysiological Research, Vienna, Austria.

Yu, X.**, & Potts, G. (Oct. 2017) The impact of resource depletion and mindfulness on error monitoring. Society for Psychophysiological Research, Vienna, Austria.

Ceylan, AO***, Yu, X**, Burgess, J*, Potts, GF (Mar. 2017). The role of reward and punishment motivation in attention: an ERP investigation. Cognitive Neuroscience Society, San Francisco, CA.

Soder, H**, Potts, G (Mar. 2017). Differential neural outcome processing of monetary and non-monetary feedback: A comparison of college drinkers and non-drinkers. Cognitive Neuroscience Society, San Francisco, CA.

Rogers, M*, Soder, H**, Potts, G (Mar. 2017). Which factors of impulsivity predict neural reward sensitivity? Cognitive Neuroscience Society, San Francisco, CA.

O'Leary, C.**, Kiebel, E.**, Acosta, A.*, Beach, M.*, Gorey, C**, Potts, G. (Nov. 2016). Coloring Outside the Lines: Exploring a Continuous Model of Sexual Orientation

and Reward Responses to Sexual Images. Society for Social Neuroscience, San Diego, CA.

Gorey, C.**, O'Leary, C.**, Bornovalova, M., Potts, G. (Nov. 2016). Creating the Hypersensitive Reward System: The Role of Age of Alcohol Initiation and First Social Alcohol Experiences. Society for Social Neuroscience, San Diego, CA.

Feinstein, A.*, Abarno, C.*, O'Leary, C.**, Gorey, C.**, Bornovalova, M., Potts, G. (Nov. 2016). Social Anhedonia: Are There Domain-Specific Hedonic Deficits Across the Neural and Behavior Level? Society for Social Neuroscience, San Diego, CA.

Soder, H.E.**, Vieira, A.B.*, & Potts, G.F (Sept. 2016). Unexpected Absence of Rewards or Punishments and the Feedback-Related Negativity. Society for Psychophysiological Research, Minneapolis, MN.

de Dios, C.* & Potts, G.F. (Sept. 2016). Does incentive salience direct early attention? An ERP investigation. Society for Psychophysiological Research, Minneapolis, MN.

Bedwell, J.S., Potts, G.F., Gooding, D.C., Trachik, B.J., Chan, C.C., & Spencer, C.C. (2016, May). Transdiagnostic psychiatric symptoms and event-related potentials following rewarding and aversive outcomes. Biological Psychiatry, Atlanta, GA.

de Dios, C.** & Potts, G.F. (Apr. 2016). Incentive salience produces early attention allocation: An ERP investigation. Cognitive Neuroscience Society Meeting, New York.

Nandur, V*, Dubé, C, Potts, GF (Apr 2016). Oscillatory Correlates of Belief Bias in Deductive Reasoning. Cognitive Neuroscience Society, New York.

Soder, HE**, Haggerty, TK*, Johnson, PL**, Cimino, CR, Potts, GF (Apr 2016). Preliminary results for a dissociation between PTSD and mTBI using ERPs. Cognitive Neuroscience Society, New York.

Beach, M*, Oleary, CT**, Yakub, K**, Potts, GF (Oct. 2015). The MFN as a Neural Correlate of Homophobia. Society for Social Neuroscience, Chicago.

Oleary, CT**, Potts, GF (Oct. 2015). The Motivational Value of Primary vs. Secondary Reinforcers in Reward. Society for Psychophysiological Research, Seattle.

Soder, HE**, Webber, TA**, Bornovalova, MA, Park, JY, Potts, GF (Oct. 2015). Dopamine Genetics, Neural Sensitivity to Negative Outcomes, and Drinking Behavior. Society for Psychophysiological Research, Seattle. (Student Poster Award Winner)

Webber, T.A.**, Soder, H.E.**, Park, J., Potts, G.F., Bornovalova, M.A. (2015, October) Familial and molecular genetic moderation of peer-influenced risk-taking behavior: Phenotypic and endophenotypic evidence. Society for Research in Psychopathology, New Orleans, LA. Yu, X^{**}, Potts, GF, Donchin, E (Oct. 2015). The Effect of Ego Depletion on Error Monitoring. Society for Psychophysiological Research, Seattle.

Eckrich, SJ, Trachik, BJ, Potts, GF, Gooding, DC, Chan, CC, & Bedwell, JS (March 2015). Anhedonia Severity, Cannabis Use History, And Evoked-Response Potentials During Reward Prediction In A Transdiagnostic Sample. International Congress on Schizophrenia Research, Colorado Springs.

Kellogg E^{**}, Johnson P^{**}, Cimino, C, Potts, GF (Feb 2015). Investigating the Relationship Between Emotional Dysregulation, Impulsivity, and Executive Functions In a Non-Clinical Sample. International Neuropsychological Society, Denver.

Johnson P**, Kellogg E**, Potts GF, Cimino C (Feb 2015). The Impact of Difficulties in Emotional Regulation on Emotional Memory and Emotional Processing of Pictures. International Neuropsychological Society, Denver.

Webber, TA**, Soder, HE**, Sibiga, A*, Potts, GF, Borovalova, MA (Sept. 2014). Familial Effects of Peer Influenced Risk Taking Behavior: Behavioral and Physiological Evidence. Society for Psychophysiological Research. Atlanta.

Soder, H, Webber, T, Curham, K, Bornovalova, M, Potts, GF (Sept. 2014). Impulsivity and Reward Sensitivity to Bad Outcomes: An Investigation of a Passive vs. Decision Making Task. Society for Psychophysiological Research. Atlanta.

de Dios, C, Potts, GF (Sept. 2014). The Effect of Motivational Error Monitoring Systems on Spatial Attention. Society for Psychophysiological Research. Atlanta.

Johnson, P, Potts, GF, Cimino, C. (Sept. 2014). The Influence of BIS and BAS on Emotional Processing and Emotional Memory. Society for Psychophysiological Research. Atlanta.