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*Julie B. Schweitzer, Ph.D.*

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**Schweitzer Julie B., Ph.D., Professor,** Department of Psychiatry and Behavioral Sciences, School of Medicine

**Education**

A.B., Psychology, University of Southern California, 1982  
M.S., Psychology, University of Massachusetts, Amherst, 1987  
Ph.D., Psychology, University of Massachusetts, Amherst, 1990

**Biography**

Dr. Schweitzer's interests include the identification and treatment of attention-deficit/hyperactivity (ADHD) and related disorders in children and adults using behavioral, neuropsychological and functional neuroimaging methods. Other interests include the use of reinforcement and learning paradigms in imaging as applied to psychopathology. Dr. Schweitzer's goal is to apply translational research methods using a variety of basic behavioral and physiological techniques to develop novel treatment and preventative approaches to addressing attentional disorders and optimal treatments based on subtypes of ADHD. Additional funded collaborative work includes projects testing the effects of prenatal drug exposure on adolescent brain function and behavior and the effects of schizophrenia on reinforcement and learning impairments via fMRI and behavior. Dr. Schweitzer is the Director of the ADHD Program at the MIND Institute at the UC Davis School of Medicine. In addition, Dr. Schweitzer is committed to the development of junior faculty and postdoctoral scholars in the implementation of translational research. She is the Associate Director of the Mentored Clinical Research Training Program within the UC Davis CTSC and on the steering committee of the Mentoring Academy for the UC Davis Schools of Health Sciences.

**Selected Recent Publications**

Fassbender, C. \*, **Schweitzer, J.B.\*** (shared first authorship), Cortes, C.R., Tagamets, M.A. Windsor, T.A., Reeves, G.M.& Gullapalli, R. Working Memory in Attention Deficit/Hyperactivity Disorder is Characterized by a Lack of Specialization of Brain Function. *PLoS ONE*. 2011;6(11):e27240. Epub 2011 Nov 10.

Miller, M., Hanford, R.B., Fassbender, C., Duke, M., **Schweitzer, J.B.** (2011). Affect Recognition in Adults with Attention-Deficit/Hyperactivity Disorder. *Journal of Attention Disorders*. 15 (6) pp. 452 - 460. PMID: 20555036; DOI 10.1177/1087054710368636.

Breslau, J., Miller, E., Chung, W-J J., **Schweitzer, J.B.** (2011). Childhood and adolescent onset psychiatric disorders, substance use, and failure to graduate high school on time. *Journal of Psychiatric Research*. 45(3):295-301. doi:10.1016/j.jpsychires.2010.06.014.

Lit, L., **Schweitzer, J.B.**, Oberbauer, A. (2010). Characterization of human-dog social interaction using owner report. *Behavioural Processes*. 84:721–725.

Waltz, JA, **Schweitzer, JB**, Ross, TJ, Salmeron, BJ, Kurup, PK, Rose, EJ, Gold, JM, Stein, EA. (2010). Abnormal responses to monetary outcomes in cortex, but not in the basal ganglia, in schizophrenia. *Neuropsychopharmacology*. 35:2427-39.

Lit, L., **Schweitzer, J.**, Oberbauer, A. (2010). Owner report of attention, activity, and impulsivity in dogs: A replication study. *Behav Brain Funct.* 2010 Jan 4;6(1):1. PMID: 20047681.

Lit, L., Boehm, D., Marzke, S., **Schweitzer, J.B.** Oberbauer, A. (2010). Certification testing as an acute naturalistic stressor for disaster dog handlers. *Stress.* 13:392-401.

Fassbender C, Zhang H, Buzy WM, Cortes C, Mizuiri D, Beckett L, **Schweitzer JB.** A lack of default network suppression is linked to increased distractibility in ADHD. *Brain Research* 1:1273:114-28, 2009.

Breslau J, Miller E, Breslau N, Bohnert K, Lucia V, **Schweitzer J.** The impact of early behavior disturbances on academic achievement in high school. *Pediatrics* 123;1472-1476, 2009.

Buzy WM, Medoff DR, **Schweitzer JB.** Intra-individual Variability in Children with Attention-Deficit/Hyperactivity Disorder on a Working Memory Task. *Child Neuropsychology* 15, 441 – 459, 2009.

Waltz JA, **Schweitzer JB,** Gold JM, Kurup PK, Ross TJ, Salmeron BJ, Rose EJ, McClure SM, Stein EA. Patients with schizophrenia show a reduced BOLD response to predictable and unpredictable rewards. *Neuropsychopharmacology* 34, 1567-77, 2009.

#### ***Selected Recent Presentations***

*Salmeron, BJ, Riggins, T, Ernst, M, Kurup, P, Cacic, K, Black, M., **Schweitzer, JB.** Prenatal drug exposure alters adolescent neural responses in a probabilistic reward/punishment task. Human Brain Mapping, Quebec City, June, 2011.*

*Fassbender, C., Boyle, L., Hartanto, T., **Schweitzer, J.B.,** Salo, R. Cognitive Control in Chronic Methamphetamine Abusers With and Without ADHD During a Response Inhibition Paradigm. Cognitive Neuroscience Society Meeting. San Francisco, April, 2011.*

***Schweitzer, J.B.** (March, 2011). Behavioral Treatments of Attention Deficit Hyperactivity Disorder. Sacramento Unified School District. Sacramento, CA*

***Schweitzer, J.B.,** Fassbender, C., McClure, S.M., Rutledge, K.J., Dixon, J.F., Boyle, L.H. Associations between Cognitive, Behavioral and Neural Correlates of Delay Discounting in Adolescents with and without ADHD. Behavioral Economics Conference, From Demand Curves to Public Policy, Chicago. March, 2011.*

***Schweitzer, J.B.,** Dixon, J.F., Pakyurek, (November, 2010). ADHD Update: From Basic Science Findings to the Classroom, Home and Beyond. BC Association of School Psychologists 23rd Annual Conference: PSYCH MATTERS. Vancouver, B.C., Canada.*

*Salmeron, B.J., Riggins, T., Gu, H. Black, M., **Schweitzer, J.B.** Seed-based connectivity alterations in adolescents exposed to drugs in utero. Human Brain Mapping. Barcelona, June, 2010.*

***Schweitzer, J.B.** (February, 2010). The Impact of Early Attention on ADHD and Achievement, Learning and the Brain Conference. San Francisco, CA.*

Xie, Y., Dixon, F., DeAngelos, S., Chen, Y.A., Zhang, J., **Schweitzer, J.B.** (October, 2009). *The Effectiveness of Videoconferencing on Teaching Parent Training Skills to Parents of Children with ADHD. Elaine Schlosser AACAP Award Recipient (Xie, mentee of Schweitzer). The American Academy of Child and Adolescent Psychiatry, Honolulu, HI*

**Schweitzer, J.B.** (June, 2009). *Update on Basic Research in ADHD: Evidence for Components of a Dual Pathway Model of Dysfunction in ADHD. Pediatric Grand Rounds, UC Davis School of Medicine*

*Cognitive Canine: The Domestic Dog as an Animal Model for Social Cognitive Behaviors, Society for Neuroscience, Chicago, IL, October 2009.*

*Update on Basic Research in ADHD: Evidence for Components of a Dual Pathway Model of Dysfunction in ADHD, Pediatric Grand Rounds, Department of Pediatrics, UC Davis School of Medicine, June 2009.*

*The Effectiveness of Videoconferencing on Teaching Parent Training Skills to Parents of Children with ADHD, Elaine Schlosser AACAP Award Recipient, The American Academy of Child and Adolescent Psychiatry, Honolulu, HI., October 2009.*

*Will Working Memory Training Improve Observable ADHD Behavior?, Cogmed Network Annual Conference – 2009: The Emerging Field of Evidence-based Cognitive Training, Austin, TX, October 2009.*

*fMRI Reveals Long-Term Effects of Prenatal Drug Exposure on Visuospatial Working Memory Networks During Adolescence, American Psychological Society, Chicago, IL, May 2008.*

*From Delay Discounting to Exploratory Behavior: Dysregulation in the Noradrenergic System in ADHD, Association for Behavior Analysis International, May 2008.*

*Flexibility in Brain and Behavioral Functioning in ADHD: Implications for Treatment. Symposium: Behavior, Brain Function and Genes: Research into Disorders of Cognition and Learning Disabilities, International Dyslexia Association, Seattle, WA, October 2008.*

### **Research Funding**

#### **Active**

PR101054 (Hagerman, R.) 7/1/11-6/30/15

DOD

Treatment of Fragile X Syndrome with a Neuroactive Steroid

5 UL1 RR024146/04 Berglund (PI) 07/11-06/16

**NIH**

UC Davis Clinical and Translational Science Center

Role: Co-Investigator and MCRTP Associate Director, RECD Team

90DD0596/01 Hansen (PI) 07/11 – 06/16

DHHS Administration for Children and Families

UC Davis Center of Excellence in Development Disabilities

Role: Co-investigator

IES R324A120168 (Mundy) 03/2012 to 02/2016  
Virtual Reality Applications for the Study of Attention and Learning in Autism and ADHD  
Role: Senior Investigator

1 R03 DA031257-01(Fassbender) 03/2012-02/2013  
NIDA/NIH  
Identifying Cognitive and Neural Risk Factors for Substance Dependence in ADHD  
Role: Co-Investigator

***Partial List of Recent Community Service***

2009 NIMN/NIH ZRG1 BBBP-E (02) (January, June)  
2010 Action Medical Research, United Kingdom  
2010 NIMH/NIH, ITVC Study Section (ad hoc; June)  
2010 NIMH/NIH, ERBN7 (special review; July)  
2011 NIMH/NIH, ITVA Study Section (ad hoc; October)  
Editorial board: *Journal of the Experimental Analysis of Behavior* (2007-2011), ADHD Report (current)  
Reviewer for multiple psychiatry journals  
Reviewer, Society for Neurosciences Committee for Media Distribution of Scientific Presentations  
Member, Policy Committee, Graduate Group in Education, UC Davis School of Education (2009-2011)  
Member, Graduate Group in Human Development, UC Davis  
Member, Graduate Group in Perception, Cognition Psychology, UC Davis  
Member, Graduate Group in Education  
Member, Research Advisory Committee, Department of Psychiatry and Behavioral Sciences  
Steering Committee Member, UC Davis Schools of Health Sciences Mentor Academy  
Workgroup and Chair of Curriculum Committee  
CTSC Education & Research Training Oversight Committee member, UC Davis  
Associate Director Mentored Clinical Research Training Program -CTSC, UC Davis