

HILLARY S SCHAEFER, PhD

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SUMMARY

Clinical psychologist (licensed in NY) with proficiency in assessment and treatment. Research experience in development, neurocognition, social-emotional functioning, motivation, and physiology. Interested in the intersection between character, motivation, and social context across the lifespan.

RESEARCH EXPERIENCE

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| Aug 2016 to Present
Research Assistant Professor
<i>Tufts University</i> | Projects: Project Arete, a longitudinal study of character, leadership, and performance at USMA (West Point). Served as an onsite researcher on post at USMA, working jointly with Tufts and USMA staff on research goals and program evaluation. |
| July 2014 to July 2016
Research Assistant Professor
<i>Children's Learning Clinic</i> | Projects: Neurocognitive and social cognitive functioning in children with ADHD and behavioral difficulties. Learning and motivation in ADHD as measured through performance and physiology, in a Positive Youth Development model. |
| Sept 2012 to Aug 2013
<i>Colorado Mental Health Institute at Fort Logan</i> | Projects: Traumatic brain injury in psychiatric inpatients; program evaluation using the Brief Psychiatric Rating Scale; program evaluation of social cognitive therapy group |
| May 2010 to May 2013
<i>Implicit Social Cognition Laboratory</i> | Projects: Web-based data collection of measure of social cognition; Comparative investigation of methods to reduce implicit racial bias. |
| Aug 2006 to May 2010
<i>Affective Neuroscience Lab</i> | Projects: Functional neuroimaging and physiological bases of social-emotional processes; fMRI, behavioral and facial coding, and physiological data collection and analysis. |
| July 1999 to Aug 2006
Waisman Laboratory for
Brain Imaging and Behavior | Projects: Functional neuroimaging of emotion, meditation, well-being, cognition, psychopathology, and addiction. Developed signal processing methods and study design. |

TEACHING AND SUPERVISION EXPERIENCE

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| Academic Year 2018 | Invited lectures to graduating seniors on gender climate issues at West Point |
| Spring Semester 2017 | Psychology for Leaders 100 (Introductory Psychology) |

July 2014 to July 2016	Clinical supervision (therapy and assessment) for graduate students working in the Children's Learning Clinic
Fall 2014, Fall 2015	Invited lecture to Curry 1 st year grad students "Mental Status Exam and Clinical Risk Assessment"
Spring 2014, 2015, 2016	Invited lecture to Curry 2 nd year grad students "Current Perspectives on the Treatment of ADHD in Children"
Sept 2012 to Aug 2013	Assessment supervision of practicum students
Aug 2011 to May 2012	Teaching Assistant, Psychological Assessment I and II (1st-year clinical graduate classes)
Aug 2011	Instructor, Training Week for Implicit Social Cognition Laboratory, teaching internet-based data collection using ProjectImplicit.org infrastructure
July and Aug 2009	Invited talks on Cognitive-Behavioral Therapy and Exner scoring system
2000 to 2006	Co-leader for training seminars teaching functional neuroimaging data collections and processing methods

CLINICAL EXPERIENCE

July 2014 to July 2016 Rearch Assistant Professor <i>Curry School of Education</i> <i>University of Virginia</i>	Director, Children's Learning Clinic Focus: Psychological and academic assessment of children with attention and/or behavioral difficulties. Parent group therapy.
Sept 2013 to July 2014 <i>Sheila Johnson Clinic</i> <i>Curry School of Education</i> <i>University of Virginia</i>	Postdoctoral Fellow Focus: Neuropsychological and psychological assessment with a focus on diagnosis and treatment planning for adults and children with history of trauma, medical concerns, and/or significant behavioral problems. Individual and couple's therapy for trauma and relationship issues.
Sept 2012 to Aug 2013 <i>Colorado Mental Health</i> <i>Institute at Fort Logan</i>	Predoctoral Intern Focus: Neuropsychological and psychological assessment of psychiatric inpatients. Behavioral and disposition plans, psycholegal evaluations, and violence risk assessment. Group and individual psychotherapy.
Aug 2008 to June 2009 and Aug 2010 to July 2012 <i>Western State Hospital</i>	Practicum Placements Focus: Neuropsychological assessment of inpatients with Severe Mental Illness. Behavioral and discharge plans, evaluation secondary to TBI. Individual therapy with individuals Not Guilty By Reason of Insanity; Group therapy: Anger Management, Substance Abuse, CBT, DBT, Relationship Skills.
Aug 2007 to Sept 2011	Practicum Placement

*Ainsworth Clinic
University of Virginia*

Focus: Individual therapy for UVA students and adult community members. Manualized treatment experience.

Aug 2009 to July 2010

*Institute for Law, Psychiatry
and Public Policy*

Practicum Placement

Tasks: Forensic assessment of adults and juveniles.
Violence risk assessment.

Aug 2009 – Aug 2010

*Lafayette School
and Treatment Center*

Practicum Placement

Tasks: Individual, family, group and milieu therapy for children diagnosed with Learning and/or Emotional Disabilities.

HONORS, AWARDS, AND SERVICE

- Associate Editor, Jefferson Journal of Science and Culture – 2011-2012
- Student's Choice Colloquium Speaker - 2010
- Maury Pathfinder Award for Master's Thesis - 2009
- National Science Foundation Graduate Research Fellowship, 2007 - 2010
- University of Virginia's Jefferson Fellowship, 2006 - 2012
- University of Wisconsin Honors in the Major and Honors in the Liberal Arts, 2002
- Hilldale Senior Research Fellowship, 2001
- Sophomore Summer Honors Research Apprenticeship, 2000

EDUCATION

Ph.D. in Psychology

University of Virginia, *August 2013*

Dissertation Title: Empathy Assessment and the Prediction of Social Behavior: Development and Validation of the Social-Emotions Task (SET) for the Measurement of Empathy and Theory of Mind

B.S. in Psychology

University of Wisconsin-Madison, *May 2002*

Honors in the Major and Honors in the Liberal Arts

SELECTED PRESENTATIONS AND TALKS

January 2015: Discussant, Autism Spectrum Disorders and Criminal Justice: What Do We Know and What Must We Learn?

December 2012: Case Conference at Neuropsychology Seminar

May 2012: Farewell talk to the clinical area "Empathy and Perspective-Taking in Psychopathy, Psychosis and Other Things that Start with Psych"

October 2010: Invited talk to clinical area "Therapy with Individuals Not Guilty by Reason of Insanity"

August 2010: Student's Choice Colloquium Speaker "Who Cares? Empathy and Social Functioning in Normal and Pathological Populations"

Fall 2009: Case conferences at ILPPP, presented individual forensic cases for peer input

September 2009: Case conference at Grand Rounds series at WSH, presented neuropsychological assessment of a long-term patient
March 2009: Clinical Area lunch talk citing cases examples and ethical issues surrounding forensic neuropsychological assessment Western State Hospital
October 2008: Clinical Area lunch talk about Master's Thesis work.
September 2008: Invited talk at Cognitive Area lunch about Master's Thesis work.
March 2008: Jefferson Scholars Symposium talk. General-audience presentation about my work using fMRI to study emotion and social processes.
September 2007: Symposium talk at Society for Psychophysiological Research conference, titled "Brain, Body and Cognition: Neural, physiological and self-report correlates of phobic and normative fear."

PUBLICATIONS

Schaefer, H.S., Gist, N., Bigelman, K, Coelho, J., & Lerner, R.M. (in preparation). Tough teams and optimistic individuals: The intersecting roles of group and individual attributes in helping to predict physical performance.

Schaefer, H.S., Callina, K.S., Powers, J., Kobylski, G., Ryan, D., & Lerner, R.M. (under review) Examining Diversity in Developmental Trajectories of Cadets' Performance and Character at the United States Military Academy.

Schaefer, H.S., Yunker, C.A., Callina, K.S., Burkhard, B., Ryan, D., & Lerner, R.M. (in press). Indexing character in the context of sport participation at the United States Military Academy: The Character in Sport Index. *Journal of College and Character*.

Murray, E. D., Burkhard, B.M., Schaefer, H.S., Ryan, D.M., Farina, A.G., Cook, C., Powers, J.J., Matthews, M.D., & Lerner, R.M. (in press) Toward a developmental approach to measuring the development of character: Perspectives from Project Arête. *Journal of Character and Leadership Development*.

Callina, K. S., Burkhard, B., Schaefer, H. S., Powers, J., Murray, E. D., Kobylski, G., & Lerner, R. M. (2018). Character in context: Character structure among United States Military Academy cadets. *Journal of Moral Education*, 1-26.

Kofler, M.J., Sarver, D.E., Austin, K.E., Schaefer, H.S., Holland, E., Aduen, P.A., & Lonigan, C.J. (2018). Can working memory training work for ADHD? Development of central executive training and comparison with behavioral parent training. *Journal of consulting and clinical psychology*, 86(12), 964.

Wells, E.L., Kofler, M.J., Soto, E.F., Schaefer, H., & Sarver, D.E. (2018). Assessing working memory in children with ADHD: Minor administration and scoring changes may improve digit span backward's construct validity. *Research in Developmental Disabilities*, 72, 166-178.

Schaefer, H.S., Coan, J.A., Larson, C.L., and Davidson, R.J. (2014) Brain, Body, and Cognition: Neural, physiological and self-report correlates of phobic and normative fear. *Biological Psychology*, 98, 59-69.

Lai, C. K., Marini, M., Lehr, S. A., Cerruti, C., Shin, J. L., Joy-Gaba, J. A., Ho, A. K., Teachman, B. A., Wojcik, S. P., Koleva, S. P., Frazier, R. S., Heiphetz, L., Chen, E., Turner, R. N., Haidt, J., Kesebir, S., Hawkins, C. B., Schaefer, H. S., Rubichi, S., Sartori, G., Dial, C. M., Sriram, N., Banaji, M. R., & Nosek, B. A. (2014). Reducing implicit racial preferences: I. A comparative investigation of 17 interventions. *Journal of Experimental Psychology: General*, 143(4), 1765-1785.

Coan, J.A., Kasle, S., Jackson, A., Schaefer H.S., and Davidson, R.J. (2013) Mutuality and the social regulation of neural threat responding. *Attachment and Human Development*, 15(3), 303-315.

Gloria R., Angelos L., Schaefer H.S., Davis J., Majeskie M., Richmond B.S., Davidson R.J., and Baker T.B. (2009) An fMRI investigation of the impact of withdrawal on nicotine anticipation. *Psychophysiology*, 46, 681-693.

van Reekum C.M., Johnstone T., Urry H.L., Thurow M.E., Schaefer H.S., Alexander A.L., and Davidson R.J. (2007) Gaze fixations predict brain activation during the voluntary regulation of picture-induced negative affect *Neuroimage*, 36(3), 1041-55

Brefczynski-Lewis J.A., Lutz A., Schaefer H. S., Levinson D.B., Davidson R.J. (2007) Neural correlates of attentional expertise in long-term meditation practitioners. *PNAS*, 104 (27), 11483-11488.

van Reekum C.M, Urry H.L., Johnstone T., Thurow M.E., Frye C.J., Jackson C.A., Schaefer H.S., Alexander A.L., and Davidson R.J. (2007) Individual Differences in Amygdala and Ventromedial Prefrontal Cortex Activity are Associated with Evaluation Speed and Psychological Well-being. *J. Cogn. Neurosci*, 19, 237-248

Schaefer H.S., Putnam K.M., Benca R.M., and Davidson R.J.. (2006) Event-related fMRI measures of neural activity to positive social stimuli in pre- and post-treatment depression. *Biological Psychiatry*, 60 (9), 974-86.

Coan, J. A., Schaefer, H. S. & Davidson, R. J. (2006). Lending a hand: Social regulation of the neural response to threat. *Psychological Science*, 17 (12), 1032-1039.

Larson C.L., Schaefer H.S., Siegle G.J., Jackson C.A.B., Anderle M.J., and Davidson R.J. (2006) Fear is fast in phobic individuals: Amygdala activation in response to fear-relevant stimuli. *Biological Psychiatry*, 60, 410-417.

Nitschke J.B., Sarinopoulos I., Mackiewicz K.L., Schaefer H.S., and Davidson R.J.. (2006) Functional neuroanatomy of aversion and its anticipation. *NeuroImage*, 29, 106-116.

Urry H.L., van Reekum C.M., Johnstone T., Kalin N.H., Thurow M.E., Schaefer H.S., Jackson C.A., Frye C.J., Greischar L.L., Alexander A.L., and Davidson R.J. (2006) Amygdala and ventromedial prefrontal cortex are inversely coupled during regulation of negative affect and predict the diurnal pattern of cortisol secretion among older adults. *Journal of Neuroscience* 26(16): 4415-4425

Dalton K.M., Nacewicz B.M., Johnstone T., Schaefer H.S., Gernsbacher M.A., Goldsmith H.H., Alexander A.L., and Davidson R.J. (2005) Gaze fixation and the neural circuitry of face processing in autism. *Nature Neuroscience*, 8, 519-26.

CONFERENCE PRESENTATIONS AND POSTERS

Aduen, P.A., Kofler, M.J., Sarver, D.E., & Schaefer, H.S. *A closer look into the social difficulties of children with ADHD: Are these deficits performance or acquisition based?* Poster submitted to: The Association for Behavioral and Cognitive Therapies (ABCT) 49th Annual Convention, ADHD SIG Poster Session, November 12-15 2015, Chicago, IL.

Maresh, E. L., Beckes, L., Schaefer, H. S., & Coan, J. A. (2012). Anxiety associates with decreased neural threat response in absence of social support. Presented at the 24th Annual Association for Psychological Science Convention, Chicago, Illinois.

Schaefer H.S. and Coan J.A. (2008). Event-related functional MRI activation during guided facial movements. *Psychophysiology*, 45, S45.

Schaefer H.S., Larson C.L., Coan J.A. and Davidson R.J. (2007). Brain, Body and Cognition: Neural, physiological and self-report correlates of phobic and normative fear. *Psychophysiology*, 44, S6

Coan J. A., Schaefer H. S, Sbarra D.A. and Davidson R. J. (2007). Adult attachment styles moderate the social regulation of neural threat responding. *Psychophysiology*, 44, S10

Schaefer H. S, Coan J. A., and Davidson R. J. (2006) Trait anxiety and coping styles moderate the soothing effect of physical contact on neural threat responding. *Psychophysiology*, 43, S87

Coan J. A., Schaefer H. S, and Davidson R. J. (2006). Why we hold hands: social regulation of the neural threat response. *Psychophysiology*, 43, S17

Gloria R., Schaefer H., Davis J., Majeskie M., Richardson B., Davidson R. J. and Baker T.B. (2006). The influence of withdrawal and anticipation of nicotine on regional brain activity. *Psychophysiology*, 43, S5

- Schaefer H.S., Larson C.L., and Davidson R.J. (2005) Characterization of Normal and Phobic Fear via fMRI and Ancillary Measures. *Psychophysiology*, 42, S112
- Coan J. A., Schaefer H. S, and Davidson R. J. (2005) Lending A Hand: Social Regulation of the Neural Response to Threat. *Psychophysiology*, 42, S44
- Coan J. A., Schaefer H. S, and Davidson R. J.. (2005) Attachment Style and the Social Regulation of the Neural Response to Threat. *Psychophysiology*, 42, S53
- Gloria R., Schaefer H.S., Davis J., Majeskie M., Richardson B., Davidson R.J., and Baker T.B.. (2005). Impact of Withdrawal on Nicotine Expectancy and Response: An fMRI Investigation of Regional Brain Activity. *Psychophysiology*, 42, S3
- Larson C.L., Siegle G.J., Burghy C.A., Schaefer H.S., Anderle M.J., and Davidson R.J.. (2004) Computational modeling of the time course of the amygdalar BOLD response in specific phobia. *Neuroimage*, Vol. 22.
- van Reekum C.M., Urry H.L., Johnstone T., Thurow M.E., Mueller C.J., Burghy C.A., Schaefer H.S., Alexander A.L., and Davidson R.J. (2004) Effects of voluntary regulation of negative affect on emotion circuitry. *NeuroImage*, Vol. 22.
- Dixon G. E., Nitschke J. B., Short S. J., Lakshmanan A., Carew M. E., Anderle M. J., Schaefer H.S., Johnstone T., Cohen J. D., Kosslyn S. M., Smith E. E., and Davidson R. J. (2004). Expectancy and modulation of neural activation in response to gustatory stimuli. *Society for Neuroscience Abstracts*.
- Shackman A. J., Maxwell J. S., Skolnick A. J., Schaefer H. S. and Davidson R. J. (2003). Exploiting individual differences in the prefrontal asymmetry of approach-related affect: Hemodynamic, electroencephalographic, and psychophysiological evidence. *Program No. 444.6. Society for Neuroscience Abstracts*.
- Dixon G.E., Nitschke J.N., Short S.J., Lakshmanan A., Anderle M.A., Schaefer H.S., Johnstone T., Cohen J.D., Kosslyn S.M., Smith E.E., and Davidson R.J.. (2003) The neural correlates of anticipation: the functional neurobiology of gustatory expectancy in the human brain. *Society for Neuroscience Abstracts*.
- Schaefer H.S., Larson C.L., Johnstone T., and Davidson R.J.. (2002) Overlapping Yet Distinct Networks Implicated in Normal versus Pathological Human Fear. *Society for Neuroscience Abstracts. Poster 381.6*
- Putnam K.P., Jahn A.L., Schaefer H.S., Mueller C.J., Benca R.M., Kalin N., and Davidson R.J.. Diurnal cortisol levels and hippocampal activation during the viewing of negative affective images in depression: an event-related fMRI study. *Society for Neuroscience Abstracts. Poster 803.2*

Larson C.L., Burghy C.A., Schaefer H.S., Anderle M.J., McNamer K.L., Navin S.D. and Davidson R.J. (2002) The role of the amygdala in specific phobia: Magnitude or timing of activation. *Psychophysiology*, 39, S50.

Larson C.L., Burghy C.A., Schaefer H.S., Anderle M.J., McNamer K.L., Navin S.D. and Davidson R.J. (2001). The time course and intensity of amygdala activation in response to phobic compared to nonphobic stimuli: an event-related fMRI study. *Society for Neuroscience Abstracts*.

Pizzagalli D., Schaefer H. S., Hendrick A. M., Horras K. A., Shackman A. J., Anderle M. J., Pederson A. J. C., Lavric A., Sarinopoulos I., Zhang R. and Davidson R.J. (2001). Amygdalar activation during acquisition of aversive conditioning is modulated by stimulus contingencies: An event-related fMRI study. *Psychophysiology*, 38, S77.

Putnam K.M., Mueller C.M., Jahn A.L., Schaefer H.S., Ng N.B., Nitschke J.B., Benca R.M., Zhang R., Anderle M.J. and Davidson R.J.. (2001) Event-related functional magnetic resonance imaging during the presentation of affective images in depressed versus nondepressed participants *NeuroImage*, 13, (6) S1, 464.