

CURRICULUM VITAE

Brian W. Haas, Ph.D
Postdoctoral Fellow
Center for Interdisciplinary Brain Sciences Research
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My research endeavors have focused on understanding the biological basis of social and affective functioning in humans. I am interested in decomposing endophenotypes defined by personality traits, genetic markers and neural function to develop more accurate models of how we behave in social settings. To date, I have studied candidate traits such as those in the Big 5 of personality (extraversion, neuroticism and agreeableness), genes such as the serotonin transporter allele and used fMRI to develop these models. I plan to further develop my ability to study social neuroscientific questions and to integrate this into the instruction of both undergraduate and graduate courses in psychology.

EDUCATION

Postdoctoral Training. Stanford University, Stanford CA, March 2007 – present.

Ph.D. Biopsychology. Stony Brook University. Stony Brook NY (December 22, 2006).

M.A. Psychology. Stony Brook University. Stony Brook NY, 2004.

B.S. California State University, East Bay. (Major: Psychology, Minors: Biological Sciences & Statistics.) Hayward C.A. June 2002.

A.S. College of the Redwoods. (General Education) Eureka C.A. 1999.

HONORS AND DISTINCTIONS

Retirees' Dissertation Fellowship. \$1000. Stony Brook University. Stony Brook, NY. 2006.

Fellowship for Outstanding Entering Graduate Student. \$2000. Stony Brook University. Stony Brook, NY. 2002-2003.

Psychology Student of the Year. \$200. California State University East Bay. Hayward C.A. 2001-2002.

Associated Students Fellowship. \$1800. California State University East Bay. Hayward C.A. 2001-2002.

Deans List. California State University East Bay. Hayward C.A., 1999-2002

Deans List. College of the Redwoods. Eureka C.A., 1998-1999.

PROFFESIONAL POSITIONS AND ACTIVITIES

Postdoctoral Fellow, Center for Interdisciplinary Brain Sciences Research. Stanford University School of Medicine. 401 Quarry Rd. Stanford, CA 94305

Ad hoc Reviewer: Trends in Cognitive Science

Ad hoc Reviewer: NeuroImage

Ad hoc Reviewer: Behavioral Neuroscience

Ad hoc Reviewer: Archives of General Psychiatry

Ad hoc Reviewer: Neuropsychologia

Ad hoc Reviewer: Journal of Personality and Social Psychology

Grant Reviewer: Multiple Sclerosis Society

Statistical Consultant. Department of School Psychology, City University of New York. 2005-2006.

Organizer. Neuroimaging Seminar Series. Stony Brook University. Stony Brook NY. 2004 – 2005.

Society for Personality and Social Psychology. 2008 - present

Human Brain Mapping. 2008 – present

Society for Neuroscience. 2002 – present.

Cognitive Neuroscience Society. 2002 – present.

Research Assistant. Masking and the negative compatibility effect. Stuart T. Klapp Ph.D., California State University East Bay. Hayward C.A. 2001-2002.

Research Assistant. Lateralization of the processing of Hierarchically Organized Stimuli. Marvin R. Lamb Ph. D., California State University East Bay. Hayward C.A. 2002.

TEACHING EXPERIENCE

Co-instructor. Psychology 250, Methodology of Research – Neuroimaging: focus on Cognitive Neuroscience). Stanford University. Stanford CA. Winter 2009.

Co-instructor. Psychology 250, Methodology of Research – Neuroimaging: focus on methodology. Stanford University. Stanford CA. Winter 2008.

Teachers Assistant. Campus Preschool. Stony Brook University. Stony Brook NY. Fall 2006.

Teachers Assistant. Physiological Psychology. Stony Brook University. Stony Brook NY. Spring 2006.

Teachers Assistant. Analysis of Variance and Experimental Design (Graduate Course). Stony Brook University. Stony Brook NY. Fall 2005.

Instructor. Survey Biopsychology. Stony Brook University. Stony Brook NY. Summer 2005

Teachers Assistant. Theories of Personality. Stony Brook University. Stony Brook NY. Spring 2005

Teachers Assistant. Research and Writing in Psychology. Stony Brook University. Stony Brook NY. Fall 2004.

Teachers Assistant. Abnormal Psychology. Stony Brook University. Stony Brook NY. Spring 2004.

Teachers Assistant. Survey Biopsychology. Stony Brook University. Stony Brook NY. Fall 2003.

Teachers Assistant. Introduction to Psychology. Stony Brook University. Stony Brook NY. Spring 2003.

Statistics Tutor. Disabled Support Services. Stony Brook University. Stony Brook NY. Fall 2002.

Teachers Assistant. Survey Biopsychology. Stony Brook University. Stony Brook NY. Fall 2002.

Teachers Assistant. Human Learning Laboratory. California State University East Bay. Hayward C.A. 2001.

Literacy Aid. Early Childhood Education Center. California State University East Bay. Hayward C.A. 2000-2002.

Camp Counselor & Tennis Coach. Maine Golf and Tennis Academy. Oakland MA. 2000.

INVITED TALKS and PRESENTATIONS

Haas, B.W., Hoefft, F., Bellugi, U., Reiss, A.L. (2009). Heightened Fusiform Gyrus and Amygdala Functional Connectivity during emotional face processing in Williams syndrome . Cognitive Neuroscience Annual Meeting. San Francisco, CA

Haas, B.W., Canli, T., Reiss, A.L. (2009). From Personality to Psychopathology: Neuroticism and Brain Reactivity to Emotional Stimuli. Symposium Presentation. Personality Neuroscience: Exploring the Biology of Traits. Given at the Society for Personality and Social Psychology (SPSP) Conference. Tampa, FL.

Haas, B.W., Mills, D., Yam, A., Hoefft, F., Bellugi, U., Reiss, A.L. (2008). Genetically Regulated Sociability: Hyper Amygdala Reactivity and Event-Related Responses to Positive Social Stimuli in Williams Syndrome. Platform Presentation given at the 12th International Professional Conference on Williams Syndrome. Anaheim, CA.

Hoefft, F., Karchemsky, A., **Haas, B.W.**, Bellugi, U., Galaburda, A., Mills, D., Koernberg, J., Reiss, A.L. (2008) Brain Basis of Empathy in “Hypersocial” Williams Syndrome Individuals – A Meta-Analytical Approach- . 12th International Professional Conference on Williams Syndrome. Anaheim, CA.

Haas, B.W., Barnea-Goraly, N., Lightbody, A., Patnaik, S., Hoeft, F., Piven, J., Reiss, A.L. (2008). Abnormal Structural Integrity of the Ventral Frontostriatal pathway: A Diffusion Tensor Tractography Study of Young Male children with Fragile X Syndrome. *Human Brain Mapping Abstracts*, 14. Melbourne Australia.

Cohen, J., Bellugi U., Karchemsky, A., **Haas, B.W.**, Reiss, A.L. (2008) Insular volume Reduction in Williams Syndrome Using Real-Space Morphometry. *Human Brain Mapping Abstracts*, 14. Melbourne Australia.

fMRI Correlates of Neuroticism: Invited Guest Lecture: Neuroscience Institute at Stanford, fMRI Colloquium Series. Stanford University. March 2008.

Reiss, A.L., Barnea-Golary, N., **Haas, B.W.**, Golarai, G., Ng, D., Karchemskiy, A., Galaburda A., Korenberg, J., Bellugi, U., Hoeft, F., Mills D. (2007). Genes, neural systems and social behavior: white Matter abnormalities in Williams syndrome as measured by diffusion tensor imaging (DTI). *Society for Neuroscience Abstracts*, 33. San Diego, CA

Haas, B. W., Omura, K., Constable R.T., Canli, T. (2006). Anxious but not depressive Neuroticism is associated with amygdala and subgenual cingulate response to emotional conflict. *Society for Neuroscience Abstracts*, 32. Atlanta, GA.

Haas, B. W., Constable, R. T., Canli T. (2006). Affiliative and Agentic Extraversion Dissociated with fMRI. *Cognitive Neuroscience Annual Meeting*. San Francisco, CA

The Neural Basis of Personality: A Perspective using functional Magnetic Imaging. Invited Guest Lecture: Psychology Seminar Series. California State University East Bay. April 2006.

Haas, B. W., Amin Z., Constable R.T., Canli, T. (2005). Extraversion Predicts Increased Functional Connectivity with the Anterior Cingulate During the Processing of Positively Valenced Verbal Stimuli. *Society for Neuroscience Abstracts*, 31. Washington DC.

Canli, T., Omura, K., **Haas, B. W.**, Constable, R. T., Lesch, K. P. (2005) Beyond Affect: A Role for Genetic Variation of the Serotonin Transporter in Neural Activation during a Cognitive Attention Task. *Society for Neuroscience Abstracts*, 31. Washington DC.

Haas, B. W., Constable, R. T., Lesch K. P., Canli T. (2005). Inferior Parietal Lobule Activation to Emotional Conflict Varies as a Function of Heterosis of the *HTR1A* Receptor Gene Polymorphism. *Cognitive Neuroscience Annual Meeting*. New York, NY.

Haas, B., Constable R. T., Canli T. (2004). Personality-Dependent Variance in Functional Connectivity between Amygdala and Other Regions. *The Biological Basis of Personality*, Stony Brook University, Stony Brook NY.

Haas, B., Constable, R. T., Canli T. (2004). An fMRI Study of the Relative Influences of Conflict and Affect on the Anterior Cingulate. *Society for Neuroscience Abstracts*, 30. San Diego, CA.

Canli, T. **Haas B.**, Omura, K., Amin, Z., Constable, R. T. (2003) An fMRI Study of Personality Traits during the Performance of the Emotional Stroop Task. *Society for Neuroscience Abstracts*, 29. Orlando, FL.

COMPUTER and DATA PROCESSING SKILLS

Collaborative IRB Training Initiative Course on the Protection of Human Research Subjects.
Completed: March 2006/07/08.

Matlab. Basic Programming.

E-Prime. Programming and Experimental Application

Statistical Package for the Social Sciences (SPSS). Data Analysis.

Statistical Parametric Mapping. Attended SPM short course. Summer 2003. Wellcome Department of Imaging Neuroscience. London U.K.

Functional Connectivity: Psychophysiological Interaction (PPI) analysis, Dynamic Causal Modeling

Structural Magnetic Imaging: Voxel Based Morphometry (VBM)

Diffusion Tensor Imaging (DTI): DITstudio, MedINRIA

PUBLICATIONS

Haas, B. W., Barnea-Goraly, N., Lighthold, A. A., Patnaik, S., Hoeft, F., Hazlett, H., Piven, J., Reiss, A.L., (In Press). Early White Matter Abnormalities of the Ventral Frontostriatal Pathway in Fragile X Syndrome. Developmental Medicine & Child Neurology

Haas, B. W., Mills, D., Yam, A., Hoeft, F., Bellugi, U., Reiss, A.L., (2009). Genetic influences on sociability: Heightened amygdala reactivity and event-related responses to positive social stimuli in Williams syndrome. Journal of Neuroscience 29(4):1132-9

Haas, B. W., Constable, R. T., & Canli, T. (2009). Functional Magnetic Resonance Imaging of Temporally Distinct Responses to Emotional Facial Expressions. Social Neuroscience 4(2):121-134.

Haas, B. W., Constable, R. T., & Canli, T. (2008). Stop the sadness: Neuroticism is associated with sustained Medial Prefrontal Cortex response to emotional facial expressions. NeuroImage 42(1):385-92.

Haas, B. W., & Canli, T. (2008). Emotional Memory function, Personality structure and Psychopathology: A Neural System Approach to the identification of vulnerability markers. Brain Research Reviews 58(1):71-84.

Hoeft, F., Barnea-Goraly, N., **Haas, B. W.**, Golarai, G., Ng, D., Mills, D., et al. (2007). More is not always better: increased fractional anisotropy of superior longitudinal fasciculus associated with poor visuospatial abilities in Williams syndrome. Journal of Neuroscience, 27(44), 11960-11965.

Haas, B. W., Omura, K., Constable, R. T., & Canli, T. (2007). Emotional conflict and neuroticism: personality-dependent activation in the amygdala and subgenual anterior cingulate. Behavioral Neuroscience, 121(2), 249-256.

Haas, B. W., Omura, K., Constable, R. T., & Canli, T. (2007). Is automatic emotion regulation associated with agreeableness? A perspective using a social neuroscience approach. Psychological Science 18(2), 130-132.

Canli, T., Qiu, M., Omura, K., Congdon, E., **Haas, B. W.,** Amin, Z., et al. (2006). Neural correlates of epigenesis. Proceedings of the National Academy of Sciences U S A 103(43), 16033-16038.

Haas, B.W., Omura, K., Constable, R. T., Canli, T. (2006). Interference Produced by Emotional Conflict Associated with Anterior Cingulate Activation. Cognitive, Affective Behavioral Neuroscience 6(2), 152-156.

Haas, B.W., Omura, K., Constable, R. T., Canli, T. (2006). Functional connectivity with the anterior cingulate is associated with extraversion during the emotional Stroop task. Social Neuroscience(1)1, 16-24.

Canli, T., Omura, K., **Haas, B. W.,** Fallgatter A., Constable, R. T., Lesch K.P. (2005). Beyond Affect: A role for genetic variation of the serotonin transporter in neural activation during a cognitive attention task. Proceedings of the National Academy of Sciences U S A (103)34, 12224-12229.

Klapp, S. T., & **Haas, B. W.** (2005). Nonconscious Influence of Masked Stimuli on Response Selection Is Limited to Concrete Stimulus-Response Associations. Journal of Experimental Psychology: Human Perception & Performance, 31(1), 193-209.

Canli, T., Amin, Z., **Haas, B.,** Omura, K., & Constable, R. T. (2004). A double dissociation between mood states and personality traits in the anterior cingulate. Behavioral Neuroscience, 118(5), 897-904.