

BIOGRAPHICAL SKETCH

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NAME: Autumn Kujawa

eRA COMMONS USER NAME (credential, e.g., agency login): ajkujawa

POSITION TITLE: Assistant Professor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Mary Washington, Fredericksburg, VA	B.S.	05/2006	Psychology
Stony Brook University, Stony Brook, NY	M.A.	05/2010	Clinical psychology
Stony Brook University, Stony Brook, NY	Ph.D.	08/2015	Clinical psychology
University of Illinois at Chicago, Chicago, IL		06/2015	Psychology internship
University of Illinois at Chicago, Chicago, IL	Postdoctoral Fellowship	06/2016	Neuroscience of mental health

A. Personal Statement

I am a clinical psychologist with expertise in psychophysiological and neuroimaging methods. My research focuses on applying affective neuroscience methods to better understand the development of mood disorders, predict response to treatment, and develop more personalized and targeted approaches to intervention.

B. Positions and Honors**Positions and Employment**

2016-2017 Assistant Professor, Department of Psychiatry, Pennsylvania State College of Medicine, Hershey, PA
 2018- Assistant Professor, Department of Psychology and Human Development, Vanderbilt University, Nashville, TN
 2018- Training Faculty, Vanderbilt Brain Institute
 2018- Member, Vanderbilt Kennedy Center

Other Experience and Professional Memberships

2009 Event-Related Potential (ERP) Boot Camp, University of California-Davis
 2009- Member, Society for a Science of Clinical Psychology (SSCP)
 2013 Summer Training Course in Functional Magnetic Resonance Imaging (fMRI), University of Michigan
 2014- Associate Member, Society for Research in Psychopathology

Honors

2010 Society for a Science of Clinical Psychology (SSCP) Student Poster Award
 2010 2nd Year Research Award, Stony Brook University Department of Psychology
 2014 SSCP Outstanding Student Researcher Award
 2015 Society of Biological Psychiatry Chair's Choice Award
 2016 Flash Talk Award, Society for Affective Science
 2016 Rising Star Award, Association for Psychological Science

C. Contributions to Science

1. **Emotion and Depression Vulnerability.** My research has integrated psychophysiological and behavioral measures to identify alterations in emotion in youth at risk for depression. For example, I found evidence that never-depressed children of depressed mothers exhibit deficits in emotion recognition, attentional biases towards sad faces, and reduced reward responsiveness.
 - a. **Kujawa, A.,** Torpey, D., Kim, J., Hajcak, G., Rose, S., Gotlib, I., & Klein, D. N. (2011). Attentional biases for emotional faces in young children of mothers with chronic or recurrent depression. *Journal of Abnormal Child Psychology*, 39(1), 125-135. PMID: PMC3367881
 - b. **Kujawa, A.,** Hajcak, G., Torpey, D., Kim, J., & Klein D. N. (2012). Electrocortical reactivity to emotional faces in young children and associations with maternal and paternal depression. *Journal of Child Psychology & Psychiatry*, 53(2), 207-215. PMID: PMC3522574
 - c. **Kujawa, A.,** Proudfit, G. H., & Klein, D. N. (2014). Neural reactivity to rewards and losses in offspring of mothers and fathers with histories of depressive and anxiety disorders. *Journal of Abnormal Psychology*, 123(2), 287-297. PMID: PMC5025295
 - d. Burkhouse, K. L., **Kujawa, A.,** Keenan, K., Klumpp, H., Fitzgerald, K. D., Monk, C. S., & Phan, K. L. (2017). The relation between parent depressive symptoms and neural correlates of attentional control in offspring: A preliminary study. *Psychiatry Research: Neuroimaging*, 263, 26-31. PMID: PMC541528
2. **Emotion and the Development of Anxiety.** My work has provided insight into the extent to which distinct patterns of emotional processing underlie risk for depression vs. anxiety. For example, in examining startle responses and ERPs to threatening faces, I found exaggerated threat responses specifically in anxious youth or those at high risk for anxiety. In addition, I identified altered age-related changes in amygdala functional connectivity among anxious youth compared to healthy controls.
 - a. **Kujawa, A.,** Glenn, C. R., Hajcak, G., & Klein, D. N. (2015). Affective modulation of the startle response among children at high and low risk for anxiety disorders. *Psychological Medicine*, 45, 2647-2656. PMID: PMC5022555
 - b. **Kujawa, A.,** MacNamara, A., Fitzgerald, K. D., Monk, C. S., & Phan, K. L. (2015). Enhanced neural reactivity to threatening faces in anxious youth: Evidence from event-related potentials. *Journal of Abnormal Child Psychology*, 43, 1493-1501. PMID: PMC4751035
 - c. Kessel, E., **Kujawa, A.,** Proudfit, G. H., & Klein, D. N. (2015). Neural sensitivity to reward differentiates social from generalized anxiety in children. *Journal of Child Psychology & Psychiatry*, 56, 792-800. PMID: PMC4667724
 - e. **Kujawa, A.,** Wu, M., Klumpp, H., Pine, D. S., Swain, J. E., Fitzgerald, K. D., Monk, C. S., & Phan, K. L. (2016). Altered development of amygdala-frontal connectivity during emotional face processing in anxious youth and young adults. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 1, 345-352. PMID: PMC4979579
3. **Parenting, Stress, and Emotion in the Development of Psychopathology.** My research examines emotion in the context of the environment and charts pathways from stress and early parenting to alterations in emotion to psychopathology. For example, I found that emotion recognition and reward processing deficits were particularly pronounced in combination with more problematic parenting styles in early childhood. In addition, in the first study to examine a neural measure as a prospective predictor of response to a natural disaster, I found that heightened attention towards negative images and reduced responsiveness to pleasant images predicted greater increases in psychiatric symptoms in combination with exposure to disaster-related stress.
 - a. **Kujawa, A.,** Dougherty, L., Durbin, C. E., Laptook, R., Torpey, D., & Klein, D. N. (2014). Emotion recognition in preschool children: Associations with maternal depression and early parenting. *Development & Psychopathology*, 26(1), 159-170. PMID: PMC3898589
 - b. **Kujawa, A.,** Proudfit, G. H., Laptook, R., Klein, D. N. (2015). Early parenting moderates the association between parental depression and neural reactivity to rewards and losses in offspring. *Clinical Psychological Science*, 3, 503-515. PMID: PMC4495762
 - c. **Kujawa, A.,** Hajcak, G., Danzig, A. P., Black, S. R., Bromet, E. J., Carlson, G. A., Kotov, R., & Klein, D. N. (2016). Neural reactivity to emotional stimuli prospectively predicts the impact of a natural disaster on psychiatric symptoms in children. *Biological Psychiatry*, 80, 381-389. PMID: PMC4808478

- d. Kessel, E. M., Nelson, B. D., **Kujawa, A.**, Hajcak, G., Kotov, R., Carlson, G. A., Bromet, E. J., & Klein, D. N. (2018). Hurricane Sandy exposure alters the development of neural reactivity to negative stimuli in children. *Child Development*. PMID: PMC5472531

4. **Neural Predictors and Mechanisms of Treatment Response.** My work examines the utility of psychophysiological and neuroimaging methods of emotion for predicting treatment response and informing personalized approaches to intervention. For example, I found that anxious youth who exhibited greater activation in brain regions involved in emotional appraisal and regulation when processing threatening faces exhibited better responses to treatment. In addition, my colleagues and I found that blunted ERP responses to reward predicted better treatment response in adults with depression and anxiety.

- a. **Kujawa, A.**, Weinberg, A., Bunford, N., Fitzgerald, K. D., Hanna, G. L., Monk, C. S., Kennedy, A. E., Klumpp, H., Hajcak, G., & Phan, K. L. (2016). Error-related brain activity in youth and young adults before and after treatment for generalized or social anxiety disorder. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, *71*, 162-168. PMID: PMC4996697
- b. Burkhouse, K. L., **Kujawa, A.**, Kennedy, A., Shankman, S., Langenecker, S., Phan, K. L., & Klumpp, H. (2016). Reward reactivity as a neural predictor of CBT response in anxiety and depression. *Depression and Anxiety*, *33*, 281-288. PMID: PMC4818973
- c. **Kujawa, A.**, Swain, J. E., Hanna, G. L., Koschmann, E., Simpson, D., Connolly, S., Fitzgerald, K. D., Monk, C. S., & Phan, K. L. (2016). Prefrontal reactivity to social signals of threat as a predictor of treatment response in anxious youth. *Neuropsychopharmacology*, *41*, 1983-1990. PMID: PMC4908635
- d. Burkhouse, K. L., **Kujawa, A.**, Klumpp, H., Fitzgerald, K. D., Monk, C. S., & Phan, K. L. (2017). Neural correlates of explicit and implicit emotion processing and relation to pediatric anxiety treatment response. *Journal of Child Psychology & Psychiatry*, *58*, 546-554. PMID: PMC5393919

5. **Improving Psychophysiological Methods in Developmental Psychopathology.** There are few standards and guidelines for the use of psychophysiological measures across development. In order to address these issues and evaluate the robustness of these measures across development, I have evaluated psychometric properties of psychophysiological measures, developed novel tasks for eliciting emotional responses, and examined typical developmental changes in ERP and fMRI measures.

- a. **Kujawa, A.**, Klein, D.N., & Hajcak, G. (2013). Two-year stability of the late positive potential across middle childhood and adolescence. *Biological Psychology*, *94*(2), 290-296. PMID: PMC3797196.
- b. Wu, M., **Kujawa, A.**, Lu, L., Fitzgerald, D., Fitzgerald, K. D., Monk, C. S., & Phan, K. L. (2016). Age-related changes in amygdala-frontal connectivity during emotional face processing from childhood into young adulthood. *Human Brain Mapping*, *37*, 1684-1695. PMID: PMC4837047
- c. **Kujawa, A.**, Kessel, E. M., Carroll, A., Arfer K., & Klein, D. N. (2017). Social processing in early adolescence: Associations between neurophysiological, self-report, and behavioral measures. *Biological Psychology*, *128*, 55-62. PMID: PMC5586492
- d. **Kujawa, A.**, Carroll, A., Mumper, E., Mukherjee, D., Kessel, E., Olino, T., Hajcak, G., & Klein, D. N. (2018). A longitudinal examination of event-related potentials sensitive to monetary reward and loss feedback from late childhood to middle adolescence. *International Journal of Psychophysiology*. PMC Journal – In Process

Complete list of published work in My Bibliography:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/autumn.kujawa.1/bibliography/44046589/public/?sort=date&direction=ascending>

D. Additional Information: Research Support and/or Scholastic Performance

Klingenstein Third Generation Foundation Fellowship Kujawa (PI)
Neural predictors of response to cognitive behavior therapy for adolescent depression

The goal of this study is to evaluate neurophysiological measures of reward responsiveness and emotion regulation as predictors of individual differences in response to cognitive behavior therapy for depression in adolescents

Role: PI

Penn State Research Pilot Grant Program Waxmonsky (PI)

The role of parental emotion regulation in parent-child conflicts

The goal of this pilot study is to examine neurophysiological measures of emotion regulation in parents of children with externalizing disorders as predictors of child symptoms of irritability and parenting behavior

Role: Co-I

Completed Research Support

NIMH F31 MH095307

Kujawa (PI)

08/29/11-06/30/14

Neural markers of emotional reactivity in youth depression and anxiety

The goal of this study was to add neurophysiological measures of emotional reactivity to a large longitudinal sample of 9-year-old children in order to differentiate reactivity to unpleasant and pleasant images in risk for depression and anxiety.

Role: PI