

Molly A. Erickson

Curriculum vitae

September 2017

Division of Schizophrenia Research
Rutgers University/Robert Wood Johnson School of Medicine
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EDUCATION

- Ph.D. 2013 Indiana University, Bloomington (Clinical Science, Neuroscience)
Advisor: William P. Hetrick
- B.S. 2007 University of Iowa, Psychology, with Honors
Advisor: Andrew Hollingworth

PROFESSIONAL APPOINTMENTS

- 2015-present Assistant Professor, Rutgers University/Robert Wood Johnson Medical School
- 2013-2015 Postdoctoral Scholar, University of Maryland School of Medicine
- 2012-2013 Psychology Intern, Maryland VA Healthcare System

GRANTS, AWARDS, AND HONORS

- 2017 NARSAD Young Investigator Award
- 2015-present Rutgers University Chancellor's Scholar
- 2015 ICOSR Young Investigator Award
- 2014-2018 NIH Loan Repayment Grant
- 2013-2015 NIH T32 Fellowship
- 2011 J.R. Kantor Graduate Award
- 2009-2012 National Science Foundation Graduate Research Fellowship
- 2008 Richard McFall Summer Fellowship
National Science Foundation Honorable Mention

PUBLICATIONS

Journal Articles

Erickson, M.A., Albrecht, M.A., Ruffle, A., Fleming, L., Corlett, P., & Gold, J. (2017). No association between symptom severity and MMN impairment in schizophrenia: A meta-analytic approach. *Schizophrenia Research: Cognition*, *9*, 13-17.

Erickson, M.A., Albrecht, M.A., Robinson, B., Luck, S.J., Gold, J.M. (2017). Impaired suppression of delay-period alpha and beta is associated with impaired working memory in schizophrenia. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, *2*, 272-279.

Seitzman, B.A., Abell, M.A., Bartley, S.C., **Erickson, M.A.**, Bolbecker, A.R., Hetrick, W.P. (2017). Cognitive manipulation of brain electric microstates. *NeuroImage*, *146*, 533-543.

Erickson, M.A., Ruffle, A., & Gold, J.M. (2016). A meta-analysis of mismatch negativity in schizophrenia: from clinical risk to disease specificity and progression. *Biological Psychiatry*, *79*, 980-987.

Erickson, M.A., Hahn, B., Leonard, C.J., Robinson, B., Gray, B., Luck, S.J., & Gold, J. (2015). Impaired working memory capacity is not caused by failures of selective attention in schizophrenia. *Schizophrenia Bulletin*, *41*, 366-373.

Erickson, M.A., Hahn, B., Leonard, C., Robinson, B., Luck, S., & Gold, J. (2014). Enhanced vulnerability to distraction does not account for working memory capacity reduction in people with schizophrenia. *Schizophrenia Research, Cognition*, *1*, 149-154.

Motz, B.A., **Erickson, M.A.**, & Hetrick, W.P. (2013). To the beat of your own drum: Cortical regularization of non-integer ratio rhythms toward metrical patterns. *Brain and Cognition*, *81*, 329-336.

Betzel, R.F., **Erickson, M.A.**, Abell, M., O'Donnell, B.F., Hetrick, W.P., & Sporns, O. (2012). Synchronization dynamics and evidence for a repertoire of network states in resting EEG. *Frontiers in Computational Neuroscience*, *6*, 1-13.

Steinmetz, A.B., Edwards, C.R., Vollmer, J.M., **Erickson, M.A.**, O'Donnell, B.F., Hetrick, W.P., & Skosnik, P.D. (2012). Examining the effects of former cannabis use on cerebellum-dependent eyeblink conditioning in humans. *Psychopharmacology*, *221*, 133-141.

Erickson, M.A. & Lysaker, P.H. (2012). Self-esteem and insight differentially predict changes in positive and negative symptoms in schizophrenia: A longitudinal study. *Clinical Schizophrenia and Related Psychoses*, *6*, 69-75.

Hetrick, W.P., **Erickson, M.A.**, & Smith, D.A. (2012). Phenomenological dimensions of sensory gating. *Schizophrenia Bulletin*, 38, 178-191.

Erickson, M.A., Jaafri, N., & Lysaker, P.H. (2011). Insight and negative symptoms as predictors of functioning in a work setting in patients with schizophrenia. *Psychiatry Research*, 189, 162-165.

Lysaker, P.H., **Erickson, M.**, Ringer, J., Buck, K.D., Semerari, A., et al. (2011). Metacognition in schizophrenia: The relationship of mastery to coping, insight, self-esteem, social anxiety, and various facets of neurocognition. *British Journal of Clinical Psychology*, 50(4), 412-424.

Lysaker, P.H., **Erickson, M.A.**, Buck, B., Buck, K.D., Olesek, K., et al. (2011). Metacognition and social function in schizophrenia: Associations over a period of five months. *Cognitive Neuropsychiatry*, 16(3), 241-255.

Lysaker, P.H., **Erickson, M.A.**, Buck, K.D., Procacci, M., Guiseppe, N., et al. (2010). Metacognition in schizophrenia spectrum disorders: Methods of assessment and associations with neurocognition and function. *European Journal of Psychiatry*, 24(4), 220-226.

Book Chapters

Lysaker, P.H., **Erickson, M.A.**, Ringer, J., Buck, K.D., & Dimaggio, G. (2011). Metacognition in schizophrenia spectrum disorders: Methods of assessing metacognition within narrative and links with neurocognition. In Ristner (Ed.), *Handbook of Schizophrenia Spectrum Disorders*, Vol. 2. New York: Springer.

Lysaker, P.H. & **Erickson, M.A.** (2011). Individual psychotherapy for schizophrenia: An overview of its history, recent developments, and new directions. In Ristner (Ed.), *Handbook of Schizophrenia Spectrum Disorders*, Vol. 3, 225-244. New York: Springer.

PROFESSIONAL PRESENTATIONS

Invited Talks

Erickson, M.A. (May 2017). *Computational Modeling as an Approach for Identifying Neural Substrates of High-Level Visual Abnormalities in Schizophrenia*. Invited talk presented to Center for Computational Cognitive Neuropsychiatry (CCNP) in Piscataway, NJ

Erickson, M.A. (December 2016). *Mechanisms of Visual Working Memory Impairment in Schizophrenia*. Invited talk presented to medical student brown bag lecture series in Piscataway, NJ

Erickson, M.A. (May 2016). *Mechanisms of Visual Working Memory Impairment in Schizophrenia*. Invited talk presented to Center for Computational Cognitive Neuropsychiatry (CCNP) in Piscataway, NJ

Erickson, M.A. (March, 2012). *The graduate student experience: Clinical psychology and research in schizophrenia*. Invited talk presented at Manchester College, North Manchester, IN

Other Talks

Erickson, M.A., Smith, D., & Silverstein, S. (September 2017). *Impact of grouping strategy on visual working memory capacity with people in schizophrenia*. Talk presented at Society for Research in Psychopathology, Denver, CO.

Erickson, M.A., Ruffle, A., Fleming, L., Corlett, P., & Gold, J. (March 2017). *The predictive coding account of psychosis: A meta-analysis of the relationship between mismatch negativity and symptom severity*. Talk presented at International Congress on Schizophrenia Research, San Diego, CA.

Erickson, M.A. & Gold, J. (March 2015). *Abnormal suppression of alpha and beta during consolidation implicates qualitatively distinct neural substrates of working memory storage in schizophrenia*. Talk presented at International Congress on Schizophrenia Research, Colorado Springs, CO.

Erickson, M.A. (September, 2014). *Electrophysiological indices of working memory maintenance in schizophrenia*. Talk presented for faculty lecture series, Baltimore, MD

Erickson, M.A. (November, 2013). *Resting state network organization in schizophrenia: A graph theoretical approach to EEG analysis*. Talk presented at University of Maryland Neuroscience Day, Baltimore, MD

Erickson, M.A. (March 2011). *Tuning In and Tuning Out: Neurophysiological Correlates of Perceptual Abnormalities in Schizophrenia*. Talk presented at Clinical Colloquium, Bloomington, IN

Erickson, M.A. (January 2011). *Self-Report and EEG Measures of Perceptual Disturbance in Schizophrenia Patients and Healthy Controls*. Talk presented at Neuroscience Colloquium, Bloomington, IN

Abell, M., **Erickson, M.A.** (August 2010). *The Mechanics of Microstates*. Talk presented for neuroscience group at Indiana University, Bloomington, IN.

Erickson, M.A. (March 2010). *Neural Representation of Rhythm & Time*. Talk presented at Neuroscience Colloquium, Bloomington, IN

Ahn, W.Y.; Class, Q.A.; Coyne, C.A.; Donahue, K.L.; Endres, M.; **Erickson, M.A.**; Goodnight, J. (April 2009). *Parent Behavioral Training*. Talk presented at Clinical Colloquium and at Healthy Families, Bloomington, IN

Erickson M.A. & Hetrick W.P. (March 2009). *Dynamic Entrainment of Auditory Attention Facilitates Encoding of Temporal Cues: A Mismatch Negativity Study*. Talk presented at Neuroscience Colloquium, Bloomington, IN

Poster Presentations

Erickson, M. & Gold, J. (September 2014). *Electrophysiological Indices of Working Memory Maintenance in Schizophrenia*. Poster presented at Society for Research in Psychopathology, Evanston, IL.

Erickson, M.A. & Hetrick, W.P. (September 2011). *High power and poor inter-trial coherence in low frequency bands, but not traditional measures of dual-click ERP suppression, are associated with self-reports of perceptual disturbances in schizophrenia patients and non-psychiatric controls*. Poster presented at Society for Psychophysiological Research, Boston, MA.

Erickson, M.A. & Hetrick, W.P. (September 2011). *Functional network organization of schizophrenia patients and healthy control participants in resting state EEG*. Poster presented at Society for Research in Psychopathology, Boston, MA.

Johannesen, J.K., **Erickson, M.A.**, O'Donnell, B.F., & Hetrick, W.P. (April 2011). *Evaluation of a Normal-Predicted Change Index for Assessment of P50 Suppression in Schizophrenia*. Poster presented at International Congress on Schizophrenia Research, Colorado Springs, CO.

Erickson, M.A. & Lysaker, P.H. (October 2010). *Self-Esteem and Insight as Predictors of Symptom Change in Schizophrenia: A Longitudinal Study*. Poster presented at Society for Research in Psychopathology, Seattle, WA.

Erickson, M.A., Motz, B.A., & Hetrick, W.P. (September 2010). *Rhythm of Perception and Attention: An OEP Study of Temporal Attention*. Poster presented at Society for Psychophysiological Research, Portland, OR, and at Cognitive Neuroscience Society, San Francisco, CA.

Erickson, M.A. & Hetrick, W.P. (October 2009). *P50, N100, and P200 Sensory Gating Difference Scores Map onto Specific Facets of the Phenomenology of Sensory Gating as Indicated by Self-Report Questionnaire*. Poster presented at Society for Psychophysiological Research, Berlin, Germany

Erickson, M.A. & Hetrick, W.P. (April 2009). *Dynamic Entrainment of Auditory Attention Facilitates Encoding of Temporal Cues: Evidence from Mismatch Negativity*. Poster presented at EPIC, Bloomington, IN

Erickson, M.A. & Hetrick, W.P. (April 2009). *Examination of the Relationship Between Electrophysiological Indices of Sensory Gating and Phenomenological Self-Reports in Schizophrenia Patients and Non-Psychiatric Age-Matched Controls*. Poster presented at EPIC, Bloomington, IN

Erickson M.A. & Hetrick W.P. (October 2008). *Contributions of Dynamic Attentional Processes to Mechanisms of Temporal Representation: A Mismatch Negativity Study*. Poster presented at Society for Psychophysiological Research, Austin, TX

Erickson M.A. & Hetrick W.P. (September 2008). *Exploring the Latent Factor Structure of Perceptual Anomalies in Schizophrenia Patients and Nonpsychiatric Age-Matched Controls*. Poster presented at Society for Research in Psychopathology, Pittsburgh, PA

Cahill E.E., Edwards C.R., **Erickson M.A.**, Hetrick W.P. (April 2008). *Temporal Aspects Of Attention*. Poster presented at IU STARS Spring Symposium, Bloomington, IN

CLINICAL

- 2017-present Clinical psychologist at Coordinated Specialty Care, a clinic for first episode psychosis serving the central New Jersey area
- 2017-present Director of Clinical Assessment at the Rutgers-Princeton Center for Computational Cognitive Neuropsychiatry (CCNP)
- 2012-2013 Psychology Intern; VA Maryland Healthcare System

WORKSHOPS AND CONFERENCES

- 2012 Co-Instructor, EEG Artifact Removal Workshop, Indiana University, Bloomington
- 2007-2008 Co-Instructor, The ERP Boot Camp, yearly summer 10-day workshop at the University of California, Davis

JOURNAL REVIEWING

Biological Psychiatry
Biological Psychiatry: Cognitive Neuroscience and Neuroimaging
Clinical Schizophrenia and Related Psychoses
Cognitive, Affective, and Behavioral Neuroscience
European Journal of Neuroscience
International Journal of Social Psychology
Journal of Abnormal Psychology
Psychiatry Research
Schizophrenia Bulletin

Schizophrenia Research

TEACHING

Undergraduate Research Mentorship

- 2015-present Lab Principal Investigator; mentoring volunteer research assistants
- 2014-2015 Conte Center Summer Internship Program (University of Maryland, Baltimore)
- 2010-2012 Graduate mentor for honors thesis projects (Indiana University, Bloomington)

Course Instruction

- 2015 Adjunct Professor, Environmental Psychology, University of Baltimore
- 2014 Adjunct Professor, Psychopathology, University of Baltimore
- Adjunct Professor, Environmental Psychology, University of Baltimore
- 2013 Adjunct Professor, Physiological Psychology, University of Baltimore
- 2009 Teaching Assistant, Research Methods, Indiana University, Bloomington