

## Isaac T. Petersen

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CONTACT INFORMATION	Dept. of Psychological and Brain Sciences University of Iowa 309 Stuit Hall Iowa City, IA 52242	<i>Phone:</i> (319) 467-1014 <i>Fax:</i> (319) 335-0191 <i>E-mail:</i> isaac-t-petersen@uiowa.edu <i>Web:</i> psychology.uiowa.edu/people/
LANGUAGES	English French	
RESEARCH INTERESTS	Clinical child psychology, developmental psychopathology, externalizing behavior problems, self-regulation, school readiness, developmental cognitive neuroscience	
ACADEMIC POSITIONS	<b>Assistant Professor</b> University of Iowa, Department of Psychological and Brain Sciences 2017–present Primary: Clinical Psychology, Secondary: Developmental Science	
EDUCATION	<b>Clinical Psychology Intern</b> Western Psychiatric Institute and Clinic, University of Pittsburgh Medical Center, Pittsburgh, PA 2015–2016 APA-Accredited Predoctoral Internship in Clinical Psychology  <b>Ph.D.</b> Indiana University, Bloomington, IN 2009–2016 Ph.D., Clinical Psychology, August 2016 <ul style="list-style-type: none"><li>• Advisor: John Bates, Ph.D.</li><li>• Major: Clinical Science</li><li>• Minor: Cognitive Neuroscience</li><li>• Dissertation: Neurophysiological mechanisms in the development of externalizing behavior problems in young children</li></ul> <b>B.A.</b> University of Texas, Austin, TX 2005–2008 B.A., Psychology, French, December 2008 <ul style="list-style-type: none"><li>• With High Honors, Honors in Psychology, Honors in French</li><li>• Psychology Honors Thesis: <i>Children's Syntactic Processing of Language</i></li><li>• French Honors Thesis: <i>Acceptability of French Borrowings in English</i></li><li>• Minor: Sociology (criminology track)</li></ul>	
AWARDS	National Institutes of Health (NIH) <ul style="list-style-type: none"><li>• National Research Service Award (NRSA) Grant 2014–2015</li><li>• Developmental Training Grant in Integrative Developmental Process 2011–2012</li></ul> National Science Foundation (NSF) <ul style="list-style-type: none"><li>• Graduate Research Fellowship Honorable Mention 2010</li></ul> Indiana Clinical and Translational Sciences Institute (CTSI) <ul style="list-style-type: none"><li>• Predoctoral Training Grant in Translational Research 2012–2013</li></ul>	

- Society for Research in Child Development
- Student Travel Award 2011, 2015
- Indiana University
- Graduate and Professional Student Organization Travel Award 2014
  - College of Arts and Sciences Travel Award 2014
  - Richard David Young Research Fellowship 2010, 2011
  - Outstanding Instructor for Experimental Research Methods in Psychology 2011
- University of Texas
- Phi Beta Kappa Society 2008–present
  - Psi Chi (Psychology Honors Society) 2008–present
  - Pi Delta Phi (French Honors Society) 2007–present
- Boy Scouts of America
- Eagle Scout 2001

GRANTS

- Ruth L. Kirschstein National Research Service Award (NRSA) 2014–2015  
 Funding Agency: NIH/NIMH  
 Role: Principal Investigator  
 Grant Title: Neurophysiological Mechanisms in the Development of Externalizing Problems (1 F31 MH100814-01A1)
- Clinical and Translational Sciences Award 2012–2013  
 Funding Agency: NIH/NCATS  
 Role: Pre-doctoral trainee (PI: Anantha Shekhar, M.D., Ph.D.)  
 Grant Title: Indiana Clinical and Translational Sciences Institute TL1 Program (TL1 TR000162)
- National Research Service Award—Institutional Training Grant 2011–2012  
 Funding Agency: NIH/NICHHD  
 Role: Pre-doctoral trainee (PI: Linda Smith, Ph.D.)  
 Grant Title: Training Program in Integrative Developmental Process (T32 HD007475-17)

PUBLICATIONS

PEER-REVIEWED ARTICLES

- [1] Hoyniak, C.P., Bates, J.E., **Petersen, I.T.**, Yang, C-L, Darcy, I., & Fontaine, N.M.G. (in press). Reduced neural responses to vocal fear: A potential biomarker for callous-uncaring traits in early childhood. *Developmental Science*.
- [2] **Petersen, I.T.**, Hoyniak, C.P., McQuillan, M.E., & Bates, J.E. (2016). Measuring the development of inhibitory control: The challenge of heterotypic continuity. *Developmental Review, 40*, 25–71. doi: 10.1016/j.dr.2016.02.001
- [3] **Petersen, I.T.**, Bates, J.E., Dodge, K.A., Lansford, J.E. & Pettit, G.S. (2016). Identifying an efficient set of items sensitive to clinical-range externalizing problems in children. *Psychological Assessment, 28(5)*, 598–612. doi: 10.1037/pas000185
- [4] Bolbecker, A.R., **Petersen, I.T.**, Kent, J.S., Howell, J.M., Westfall, D.R., O'Donnell, B.F., & Hetrick, W.P. (2016). New insights into the nature of cerebellar-dependent eyeblink conditioning deficits in schizophrenia: A hierarchical linear modeling approach. *Frontiers in Psychiatry, 7(4)*, 1–7. doi: 10.3389/fpsy.2016.00004

- [5] **Petersen, I.T.**, Bates, J.E., Dodge, K.A., Lansford, J.E. & Pettit, G.S. (2015). Describing and predicting developmental profiles of externalizing behavior problems from childhood to adulthood. *Development and Psychopathology*, *27*(3), 791–818. doi: 10.1017/S0954579414000789
- [6] **Petersen, I.T.**, Bates, J.E., & Staples, A.D. (2015). The role of language ability and self-regulation in the development of inattentive–hyperactive behavior problems. *Development and Psychopathology*, *27*(1), 221–237. doi: 10.1017/S0954579414000698
- In the news:
    - <http://news.indiana.edu/releases/iu/2014/07/language-skills-and-behavior.shtml>
    - <https://www.nichd.nih.gov/news/releases/Pages/081814-podcast-early-language.aspx>
- [7] Hoyniak, C.P., **Petersen, I.T.**, McQuillan, M.E., Staples, A.D., & Bates, J.E. (2015). Less efficient neural processing related to irregular sleep and less sustained attention in toddlers. *Developmental Neuropsychology*, *40*(3), 155–166. doi: 10.1080/87565641.2015.1016162
- [8] Staples, A.D., Bates, J.E., & **Petersen, I.T.** (2015). IX. Bedtime routines in toddlerhood: Prevalence, consistency, and associations with nighttime sleep. In M. El-Sheikh & A. Sadeh (Eds.), *Sleep and development: Advancing theory and research. Monographs of the Society for Research in Child Development*, *80*(1), 141–159. doi: 10.1111/mono.12149
- [9] Bolbecker, A.R., Kent, J.S., **Petersen, I.T.**, Klaunig, M.J., Forsyth, J.K., Howell, J.M., Westfall, D.R., O’Donnell, B.F., & Hetrick, W.P. (2014). Impaired cerebellar-dependent eyeblink conditioning in first-degree relatives of individuals with schizophrenia. *Schizophrenia Bulletin*, *40*(5), 1001–1010. doi: 10.1093/schbul/sbt112
- [10] **Petersen, I.T.**, Bates, J.E., D’Onofrio, B.M., Coyne, C.A., Lansford, J.E., Dodge, K.A., Pettit, G.S., & Van Hulle, C.A. (2013). Language ability predicts the development of behavior problems in children. *Journal of Abnormal Psychology*, *122*(2), 542–557. doi: 10.1037/a0031963
- [11] **Petersen, I.T.**, Bates, J.E., Goodnight, J.A., Dodge, K.A., Lansford, J.E., Pettit, G.S., Latendresse, S.J., & Dick, D.M. (2012). Interaction between serotonin transporter polymorphism (*5-HTTLPR*) and stressful life events in adolescents’ trajectories of anxious/depressed symptoms. *Developmental Psychology*, *48*(5), 1463–1475. doi: 10.1037/a0027471

#### BOOK CHAPTERS

- [1] Fontaine, N.M.G. & **Petersen, I.T.** (in press). Developmental trajectories of psychopathology: An overview of approaches and applications. In L. Centifanti & D. Williams (Eds.), *International Handbook of Developmental Psychopathology*. Wiley-Blackwell.
- [2] Bates, J.E., Schermerhorn, A.C., & **Petersen, I.T.** (2014). Temperament concepts in developmental psychopathology. In K. Rudolph & M. Lewis (Eds.), *Handbook of Developmental Psychopathology* (3rd ed., pp. 311–329). New York: Springer.
- [3] Bates, J.E., Schermerhorn, A.C., & **Petersen, I.T.** (2012). Temperament and parenting in developmental perspective. In M. Zentner & R. Shiner (Eds.), *Handbook of Temperament* (pp. 425–441). New York: The Guilford Press.

- Petersen, I.T.**, Bates, J.E., & Staples, A.D. (2017). Heterotypic continuity of inhibitory control in early childhood. Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.
- Petersen, I.T.**, Lindhiem, O., Bates, J.E., Pettit, G.S., Lansford, J.E., & Dodge, K.A. (2016). Using vertical scaling techniques to account for heterotypic continuity in psychopathology over a lengthy developmental span. Poster presented at the University of Pittsburgh Department of Psychiatry Research Day, Pittsburgh, PA.
- Petersen, I.T.** (2015). Symposium Chair: Neural mechanisms of psychopathology in early childhood. Paper symposium presented at the meeting of the Society for Research in Child Development, Philadelphia, PA.
- Petersen, I.T.**, Hoyniak, C.P., Staples, A.D., Bates, J.E., & Molfese, D.L. (2015). Neurophysiology of externalizing behavior problems in young children. In I. Petersen (Chair), *Neural mechanisms of psychopathology in early childhood*. Paper symposium presented at the meeting of the Society for Research in Child Development, Philadelphia, PA.
- Petersen, I.T.**, Hoyniak, C.P., McQuillan, M.E., & Bates, J.E. (2015). Measuring the development of self-regulation: The challenge of heterotypic continuity. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
- Hoyniak, C.P., **Petersen, I.T.**, Staples, A.D., Bates, J.E., & Molfese, D.L. (2015). Development of the NoGo N2 component in relation to externalizing problems in toddlers. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
- Hoyniak, C.P., Bates, J.E., **Petersen, I.T.**, Yang, C-L., Darcy, I., & Fontaine, N.M.G. (2015). Atypical neural responses to vocal fear are associated with callous and unemotional behaviors in early childhood. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
- Petersen, I.T.** (2015). Discussant: Issues in psychology and perception. Symposium presented at the Indiana University Honors Research Symposium, Bloomington, IN.
- Hoyniak, C.P., **Petersen, I.T.**, Bates, J.E., Molfese, D.L., & Staples, A.D. (2014). Longer nogo N2 ERP latencies present in toddlers with sleep deficits. Symposium: The psychophysiology of self-regulation from infancy to late childhood. Symposium presented at the meeting of the Society for Psychophysiological Research, Atlanta, GA.
- Hoyniak, C.P., **Petersen, I.T.**, Bates, J.E., Molfese, D.L., & Staples, A.D. (2014). ERP latencies in toddlers with sleep difficulties. Poster presented at the meeting of the Association for Psychological Science, San Francisco, CA.
- Petersen, I.T.**, Bates, J.E., Kelsey, K.M., Hudac, C.M., Kota, S., Cortesa C., Molfese, D.L. & Staples, A.D. (2013). Less efficient neural inhibitory processing associated with externalizing behavior problems in toddlers. Poster presented at the Indiana Clinical and Translational Sciences Institute Predoctoral Programs Meeting, Indianapolis, IN.
- Petersen, I.T.**, Bates, J.E., Kelsey, K.M., Hudac, C.M., Kota, S., Cortesa C., Molfese, D.L. & Staples, A.D. (2013). Less efficient neural inhibitory processing associated with externalizing behavior problems in toddlers. Poster presented at the National Clinical and Translational Sciences Predoctoral Programs Meeting, Mayo Clinic, Rochester, MN.

- Petersen, I.T.**, Bates, J.E., Kelsey, K.M., Hudac, C.M., Kota, S., Cortesa C., Molfese, D.L. & Staples, A.D. (2013). N2 ERP latencies associated with self-regulation in toddlers. Poster presented at the meeting of the Association for Psychological Science, Washington, DC.
- Petersen, I.T.**, Bates, J.E., Dodge, K.A., Lansford, J.E., & Pettit, G.S. (2013). Describing and predicting developmental profiles of externalizing problems from childhood to adulthood. Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Petersen, I.T.**, Bates, J.E., Kelsey, K.M., Hudac, C.M., Kota, S., Cortesa C., Molfese, D.L. & Staples, A.D. (2013). Longer P3 latencies associated with externalizing behavior problems in young children. Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Marks, B.T., **Petersen, I.T.**, & Bates, J.E. (2013). Prenatal testosterone exposure (2D:4D ratio) predicts aggression in young children. Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Staples, A.D., Bates, J.E., & **Petersen, I.T.** (2013). Effects of adherence to a bedtime routine on toddlers' sleep schedule and nightly sleep. Symposium: Emerging longitudinal research linking family processes and children's sleep. Symposium presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Petersen, I.T.**, Bates, J.E., Staples, A.D., Chien, R., & Hanrahan, M. (2011). Language ability predicts development of self-regulation among toddlers. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
- Petersen, I.T.**, Bates, J.E., & Staples, A.D. (2011). Interaction between parent autonomy support and child sleep in toddlers' aggression. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
- Petersen, I.T.** & Echols, C.E. (2005). Maturation constraints on second language acquisition. Poster presented at the Honors Psychology Poster Session, University of Texas, Austin, TX.

PRESENTATIONS

- Petersen, I.T.** (2017). My academic and intellectual history, trajectory, and future. Project presented at University of Iowa First Year Clinical Psychology Seminar.
- Petersen, I.T.** (2016). Treatment sequencing for childhood ADHD: A multiple randomization study of adaptive medication and behavioral interventions [Presenting findings from Pelham et al., 2016]. Project presented at Western Psychiatric Institute and Clinic (WPIC) Wide Journal Club.
- Petersen, I.T.** (2015). Mechanisms in the development of self-regulation. Project presented at Indiana University Dept. of Psychological and Brain Sciences Developmental Seminar.
- Petersen, I.T.** (2015). Mechanisms in the development of self-regulation. Project presented at Indiana University Dept. of Psychological and Brain Sciences Clinical Colloquium.
- Petersen, I.T.** (2015). The clinical internship process. Presented at Indiana University Dept. of Psychological and Brain Sciences Clinical Colloquium.
- Vaughan, E.B. & **Petersen, I.T.** (2014). Applying for NRSA grants for predoctoral training. Presented at Indiana University Dept. of Psychological and Brain Sciences Clinical Colloquium.

**Petersen, I.T.**, Bates, J.E., O'Donnell, B.F., & Molfese, D.L. (2013). Less efficient neural inhibitory processing associated with externalizing behavior problems in toddlers. Project presented at Mayo Clinic, National Clinical and Translational Sciences Predoctoral Programs Meeting.

**Petersen, I.T.**, Bates, J.E., O'Donnell, B.F., & Molfese, D.L. (2013). Neurophysiological correlates of externalizing behavior problems in toddlers. Project presented at Indiana University Dept. of Psychological and Brain Sciences Cognitive Neuroscience Seminar.

Bates, J.E., & **Petersen, I.T.** (2013). Developmental models of self-regulation and adjustment. Project presented at Indiana University School of Medicine, Dept. of Otolaryngology, DeVault Otologic Research Lab.

**Petersen, I.T.**, Bates, J.E., Kelsey, K.M., Hudac, C.M., Kota, S., Cortesa C., Molfese, D.L. & Staples, A.D. (2013). Neurophysiological mechanisms of the development of externalizing behavior problems. Project presented at Purdue University, Indiana Clinical and Translational Sciences Institute.

**Petersen, I.T.**, Bates, J.E., Coyne, C.A., D'Onofrio, B.M., Lansford, J.E., Dodge, K.A., Pettit, G.S., & Van Hulle, C.A. (2012). The role of language ability in the development of attentional and behavioral regulation. Project presented at Indiana University Dept. of Psychological and Brain Sciences Clinical Colloquium.

**Petersen, I.T.**, Bates, J.E., Coyne, C.A., D'Onofrio, B.M., Lansford, J.E., Dodge, K.A., Pettit, G.S., & Van Hulle, C.A. (2012). Language ability predicts the development of attention problems in children. Project presented at Indiana University Dept. of Psychological and Brain Sciences Developmental Seminar.

**Petersen, I.T.**, Bates, J.E., Goodnight, J.A., Dodge, K.A., Lansford, J.E., Pettit, G.S., Latendresse, S.J., & Dick, D.M. (2011). Serotonin transporter gene polymorphism moderates the effect of stressful life events on trajectories of anxious/depressed symptoms. Project presented at Indiana University Dept. of Psychological and Brain Sciences Developmental Seminar.

**Petersen, I.T.**, Bates, J.E., Staples, A.D., Chien, R., & Hanrahan, M. (2010). Language ability predicts inhibitory and effortful control among toddlers. Project presented at Indiana University Dept. of Psychological and Brain Sciences Developmental Seminar.

## CLINICAL EXPERIENCE

### SUPERVISORY ROLE

Carl E. Seashore Psychology Clinic (Summer 2017–Present)

*Duties:* Supervised graduate students individually in empirically-supported protocols for a range of mental disorders in children, adolescents, and adults.

*Site:* University of Iowa—Dept. of Psychological and Brain Sciences—Iowa City, IA

Parent Behavior Training (Fall 2012–Spring 2015)

*Duties:* Supervised junior-level graduate students individually and in group settings following an empirically-supported parent behavior training protocol to treat children's disruptive behavior disorders.

*Site:* Indiana University—Dept. of Psychological and Brain Sciences—Bloomington, IN

*Supervisor:* John Bates, Ph.D.

Evidence-Based Clinical Supervision Course (Spring 2014)

*Duties:* Read and discussed evidence-based information on the research, theory, and practice of supervision. Course content included practical skills for the implementation of evidence-based supervision as well as diversity and ethical issues relevant to supervision.

*Site:* Indiana University—Dept. of Psychological and Brain Sciences—Bloomington, IN

*Supervisor:* Cara Lewis, Ph.D.

Alternative Alcohol Intervention Program (Fall 2012–Summer 2013)

*Duties:* Trained and supervised junior-level students in their delivery of brief interventions and psychoeducation in an alcohol diversion program. Provided recommendations when students were competent to advance to individual therapists.

*Site:* Indiana University—Office of Student Affairs—Bloomington, IN

*Supervisor:* Walter Keller, Ph.D.

Evidence-Based Psychosocial Intervention Consultation (Fall 2011–Spring 2013)

*Duties:* Consultation with other doctoral students regarding evidence-based approaches to assessment and treatment. Met biweekly in group setting.

*Site:* Indiana University—Dept. of Psychological and Brain Sciences—Bloomington, IN

*Supervisor:* Cara Lewis, Ph.D.

CLINICIAN ROLE

Dual Diagnosis Inpatient Services (Summer 2016)

*Duties:* Conducted psychological evaluations and completed intensive therapy using a Motivational Interviewing (MI) approach for individuals with substance abuse problems and other serious mental health difficulties.

*Site:* University of Pittsburgh School of Medicine—Western Psychiatric Institute and Clinic—Pittsburgh, PA

*Supervisor:* Antoine Douaihy, M.D.

Psychotherapy Training Clinic (Fall 2015–Summer 2016)

*Duties:* Conducted longitudinal, one-on-one therapy using various treatment modalities, including Cognitive Behavioral Therapy (CBT), Exposure Therapy, and Interpersonal Psychotherapy (IPT).

*Site:* University of Pittsburgh School of Medicine—Western Psychiatric Institute and Clinic—Pittsburgh, PA

*Supervisor:* Jay Fournier, Ph.D.

Diagnostic Evaluation Center (Spring 2016)

*Duties:* Evaluated patients presenting to the WPIC psychiatric emergency room, determined preliminary diagnoses and disposition with attending psychiatrists, and arranged for necessary treatment arrangements.

*Site:* University of Pittsburgh School of Medicine—Western Psychiatric Institute and Clinic—Pittsburgh, PA

*Supervisor:* Christopher Parada, M.A.

Science and Practice for Effective Children's Services (Winter 2016–Spring 2016)

*Duties:* Provided an evidence-based treatment for caregivers and their children dealing with child physical abuse (Alternatives for Families: A Cognitive Behavioral Therapy; AF-CBT). Provided behavioral health consultations and assisted in implementing a behavioral and mental service in a local, primary care practice

in McKeesport, PA.

*Site:* University of Pittsburgh School of Medicine—Western Psychiatric Institute and Clinic—Pittsburgh, PA

*Supervisor:* David Kolko, Ph.D.

Obsessive-Compulsive Disorder Intensive Outpatient Program for Children and Adolescents (Spring 2016)

*Duties:* Co-facilitated an Exposure and Response Prevention (ERP) group for children with OCD.

*Site:* University of Pittsburgh School of Medicine—Western Psychiatric Institute and Clinic—Pittsburgh, PA

*Supervisors:* Shoshanna Shear, M.D., Amy Kelly, M.D.

Matilda H. Theiss Child Development Center (Fall 2015–Winter 2016)

*Duties:* Helped teachers in a therapeutic preschool manage classroom misbehavior, conducted functional behavioral assessments (FBAs) to make recommendations to teachers, and worked with families in Parent Management Training (PMT).

*Site:* University of Pittsburgh School of Medicine—Western Psychiatric Institute and Clinic—Pittsburgh, PA

*Supervisor:* Kimberly Blair, Ph.D.

Family Therapy Training Center (Fall 2015–Winter 2016)

*Duties:* Provided structural family therapy treatment to families experiencing a wide range of psychiatric disorders, phase-of-life problems, and problems in coping with acute or chronic stressors.

*Site:* University of Pittsburgh School of Medicine—Western Psychiatric Institute and Clinic—Pittsburgh, PA

*Supervisor:* Leonard Woods, LCSW

Behavioral Sleep Medicine (Winter 2016)

*Duties:* Conducted assessments of patients with insomnia and other circadian rhythm disorders, and implemented Brief Behavioral Treatment for Insomnia (BBTI), a modified version of CBT-I.

*Site:* University of Pittsburgh School of Medicine—Western Psychiatric Institute and Clinic—Pittsburgh, PA

*Supervisors:* Brant Hasler, Ph.D., Daniel Buysse, M.D.

ADHD Across the Lifespan Clinic (Fall 2015)

*Duties:* Worked with children with ADHD and their families in intervention, and co-led skills groups for adults and college students with ADHD.

*Site:* University of Pittsburgh School of Medicine—Western Psychiatric Institute and Clinic—Pittsburgh, PA

*Supervisor:* Aaron Jennings, LCSW

Parent Behavior Training (Fall 2010–Spring 2015)

*Duties:* Trained parents to manage their children's oppositional and defiant behavior with principles from social learning perspective using Fleischman's family-based parent behavior training protocol. Conducted school and home observations as needed. Maintained a weekly caseload of 1–2 families. Videotaped each session for weekly individual, group, and online supervision. Collaborated with community mental health service providers, physicians, and school teachers.

*Site:* Indiana University—Dept. of Psychological and Brain Sciences—Bloomington, IN



*Supervisor: John Bates, Ph.D.*

Child Mood Disorders Clinic (Spring 2013–Fall 2013)

*Duties:* Provided cognitive behavioral therapy treatment to children with depression, anxiety, and other mood disorders, in addition to comorbid externalizing problems. Maintained a weekly caseload of 3–5 patients. Received weekly supervision.

*Site:* Riley Hospital for Children (Dept. of Child and Adolescent Psychiatry)—Indianapolis, IN

*Supervisor: Ann Lagges, Ph.D.*

Child Neuropsychology Assessment (Summer 2012–Fall 2012)

*Duties:* Conducted child and adolescent neuropsychology assessments for ADHD and learning disorders to help make treatment recommendations. Trained in testing, administration/scoring, behavioral observations, and preliminary case formulations. Received weekly supervision.

*Site:* Riley Hospital for Children (Dept. of Child and Adolescent Psychiatry)—Indianapolis, IN

*Qualified Psychometric Technician:* WISC-IV, K-BIT-2, WJ-III-Ach, SCWT, CIT, CCPT, CVLT-C, WRAML-2, VMI, TAT, SC, WASI-II (abbreviations defined in “Assessments” section)

*Supervisor: William Kronenberger, Ph.D.*

Alternative Alcohol Intervention Program (Fall 2011–Summer 2013)

*Duties:* Conducted brief motivational interviewing and behavioral intervention strategies for students struggling with alcohol and drug misuse and associated negative academic and legal ramifications. Maintained a weekly caseload of 7–10 individual clients. Received weekly supervision.

*Site:* Indiana University—Office of Student Affairs—Bloomington, IN

*Supervisor: Walter Keller, Ph.D.*

Child-Informed Divorce Mediation (Fall 2009–Spring 2010)

*Duties:* Served as a child consultant to bring the children’s perspective into divorce mediation and help parents consider their children’s needs. Conducted child and family assessments, and delivered feedback to parents in divorce mediation. Received weekly supervision.

*Site:* Indiana University—Dept. of Psychological and Brain Sciences—Bloomington, IN

*Supervisor: Amy Holtzworth-Munroe, Ph.D. and Brian D’Onofrio, Ph.D.*

RESEARCH  
EXPERIENCE

**Principal Investigator**, Developmental Psychopathology Lab (Spring 2017–present)  
University of Iowa—Dept. of Psychological and Brain Sciences

**Doctoral Student**, Social Development Laboratory (Fall 2009–Fall 2016)

Indiana University—Dept. of Psychological and Brain Sciences

*Advisor: John Bates, Ph.D.*

*Dissertation:* “Neurophysiological mechanisms in the development of externalizing behavior problems in young children”

*Experience:* Used longitudinal designs to examine the mechanisms involved in the development of self-regulation, conduct problems, and maladjustment. Developed system for sharing and merging data across sites as part of multi-site NIH grant. Conducted EEG assessments with 2–3-year-old children for dissertation.

**Psychology Honors Project and Thesis** (Spring 2008–Fall 2008)

University of Texas—Dept. of Psychology

*Advisor:* Charles Holahan, Ph.D. and Catharine Echols, Ph.D.

*Thesis:* “The role of maturational constraints in the syntactic processing of language by children and adults: a study of the less-is-more hypothesis with American Sign Language”

*Experience:* Designed and conducted honors project examining how children acquire second languages better than adults.

**French Honors Project and Thesis** (Spring 2008–Fall 2008)

Indiana University—Dept. of French & Italian

*Advisor:* Carl Blyth, Ph.D.

*Thesis:* “Des facteurs linguistiques et sociolinguistiques de l’acceptabilité des emprunts français en anglais” (Linguistic and sociolinguistic factors of acceptability of French borrowings in English)

*Experience:* Designed and conducted honors project examining the characteristics of French words that lead to their usage in English.

**Research Assistant, Children’s Research Laboratory** (Spring 2006–Spring 2007)

University of Texas—Dept. of Psychology

*Advisor:* Catharine Echols, Ph.D.

*Experience:* Conducted longitudinal, cross-cultural study on language acquisition in infants (9, 13, 18 mos.). Studied the effects of priming on elicited sentence structure in 4 year olds.

TEACHING  
EXPERIENCE

**Course Instructor**

- Introduction to Clinical Psychology (Spring 2017)
- Methods of Experimental Psychology (Fall 2011)

**Guest Lecturer**

- “Psychological Disorders of Childhood”, *Abnormal Psychology* (Fall 2009)
- “ADHD”, *Clinical Neuroscience* (Fall 2011, Spring 2011, Fall 2014)
- “Genes and Behavior”, *Clinical Neuroscience* (Spring 2011)

**Assistant Instructor**

- Behavioral Disorders of Childhood and Adolescence (Fall 2009)
- Abnormal Psychology (Fall 2009, Spring 2010, Fall 2010)
- Clinical Neuroscience (Spring 2010)

**Other**

- Preschool Teacher (Spring 2009–Summer 2009)
- English Teacher at Professional French Business School (Fall 2007)
- After-School Elementary Teacher (Fall 2006–Spring 2007)

EDITORIAL  
EXPERIENCE

Publons Profile: <https://publons.com/author/1210141/isaac-t-petersen>

Ad hoc reviewer:

*Child Development*

*Child Development Perspectives*

*Development and Psychopathology*

*Developmental Neuropsychology*

*Developmental Psychology*

*Early Education and Development*

*Emotion*

*Infant and Child Development*  
*Journal of Abnormal Child Psychology*  
*Journal of Abnormal Psychology*  
*Journal of Adolescent Health*  
*Journal of Child Psychology and Psychiatry*  
*Journal of Clinical Child and Adolescent Psychology*  
*Research in Developmental Disabilities*  
*School Psychology Quarterly*  
*Translational Issues in Psychological Science*

WORKSHOPS

**Statistics Training**

- Structural Equation Modeling: Advanced Longitudinal Modeling (2010, University of Kansas), Todd Little, Ph.D.
- Factorial Invariance in Multiple Group and Longitudinal Models (2011, University of Michigan), Todd Little, Ph.D.
- The Bayesian Perspective in the Context of Large Scale Assessments (2011, Indiana University), David Kaplan, Ph.D.
- Interpreting Interaction Effects and New Perspectives on Interaction Analysis (2011, Indiana University), James Jaccard, Ph.D.

**EEG/ERP Training**

- ERP Data Collection, Processing, and Analysis with Children (2011, University of Nebraska), Dennis Molfese, Ph.D.
- EEG Workshop on Artifact Detection, Rejection, and Removal (2012, Indiana University), William Hetrick, Ph.D. and Paul Kieffaber, Ph.D.

**Clinical Training**

- Motivational Interviewing: Research, Practice, and Dilemmas (2017, University of Iowa), Antoine Douaihy, M.D.
- Fostering a Safe Base for Trainees to Learn, Develop and Acquire Competence (2016, Western Psychiatric Institute and Clinic), Paula Ravitz, M.D.
- Unified Protocol for Transdiagnostic Treatment of Emotional Disorders (2016, Western Psychiatric Institute and Clinic), Shannon Sauer-Savala, Ph.D.
- Structured Clinical Interview for DSM-IV-TR Axis I Disorders (2012, Indiana University), Cara Lewis, Ph.D.
- Child Inclusive Dispute Resolution (2009, Indiana University), Jennifer McIntosh, Ph.D.

**Formal Ethics Training**

- Responsible Conduct of Research Series: Collaborative Science (2013), Office of Research Ethics, Education & Policy, Indiana University
- Responsible Conduct of Research Series: Mentorship (2013), Office of Research Ethics, Education & Policy, Indiana University
- Responsible Conduct of Research Series: Authorship and Publications (2013), Office of Research Ethics, Education & Policy, Indiana University

PROFESSIONAL  
EXPERIENCE

**Village Church Child and Family Development Center**, Prairie Village, KS

*Preschool Teacher*

2009

- Taught 4-5 year olds at a preschool, prepared lessons

**IMS Business School**, Nantes, France

*English Teacher* 2007  
 • Prepared lessons, taught English classes to native French students in a professional business school

**Community New Start**, Austin, TX

*After-School Teacher* 2006–2007  
 • Provided under-privileged elementary school children with an after-school program for tutoring, mentoring, recreational activities, and spiritual awareness

PROFESSIONAL ACTIVITIES Clinical Science Student Representative, Indiana University 2014–2015  
 Advisory Board, Workshop in Methods, Indiana University 2012–2015

VOLUNTEERING Basketball Coach for 3rd Graders 2014

AFFILIATIONS Iowa Neuroscience Institute 2017  
 DeLTA Center 2017  
 Iowa Psychological Association 2017  
 Society for a Science of Clinical Psychology 2015  
 Society for Research in Child Development 2010  
 American Psychological Association 2010  
 Association for Psychological Science 2009  
 American Association for the Advancement of Science 2009  
 Phi Beta Kappa Society 2009  
 Psi Chi (Psychology Honors Society) 2008  
 Pi Delta Phi (French Honors Society) 2007

ASSESSMENTS Beery-Buktenica Developmental Test of Visual-Motor Integration (VMI)  
 California Verbal Learning Test–Children’s Version (CVLT-C)  
 Conners’ Continuous Performance Test II (CCPT)  
 Counting Stroop Interference Test (CIT)  
 Differential Ability Scales-II (DAS-II)  
 Kaufman Brief Intelligence Test-2 (K-BIT-2)  
 Peabody Picture Vocabulary Test-4 (PPVT-4)  
 Stroop Color and Word Test (SCWT)  
 Tendler Sentence Completion Test (SC)  
 Thematic Apperception Test (TAT)  
 Wechsler Abbreviated Scale of Intelligence-II (WASI-II)  
 Wechsler Intelligence Scale for Children-IV (WISC-IV)  
 Wide Range Assessment of Memory and Learning-2 (WRAML-2)  
 Woodcock-Johnson III Tests of Achievement (WJ-III-Ach)  
 Woodcock-Johnson III Tests of Cognitive Abilities (WJ-III-Cog)

TECHNICAL SKILLS Neurophysiological Techniques: Electroencephalography (EEG), Event-related potentials (ERPs)

Statistical Analysis: Multilevel Modeling/Hierarchical Linear Modeling (MLM/HLM), Structural Equation Modeling (SEM), Moderated Multiple Regression, Principal Components Analysis (PCA), Latent Growth Curve Modeling (LGCM), Longitudinal Mediation Analysis, Cross-Lagged Autoregressive Panel Modeling, Latent Change/Difference Score Modeling (LCS/LDS), Autoregressive Latent Trajectory Modeling (ALT), Multiple Imputation, Item Response Theory (IRT)

Statistical Software: R, Mplus, SPSS, SAS, OpenMx, AMOS, MATLAB, ERP PCA Toolkit, Amelia

Computer Applications: Net Station, T<sub>E</sub>X (L<sup>A</sup>T<sub>E</sub>X, B<sub>I</sub>B<sub>T</sub>E<sub>X</sub>, Beamer), GitHub, RED-Cap, most common productivity packages for Windows

Operating Systems: Microsoft Windows, Apple OS, Linux

RESEARCH  
SUPERVISION

**People**

- Undergraduate research assistants: 25
- Graduate assistants: 3
- Graduate students: 2

**Theses, Dissertations, Grants, and Publications**

- McNair Project and Thesis: 2
- Honors Project and Thesis: 3
- Pre-doctoral NSF grant: 1
- Article submission to peer-reviewed journal: 2
- Article published in peer-reviewed journal: 1
- Dissertations: 2
  - Katherine G. Jonas
  - Kelsey N. Spalding

**Activities**

- Trained others in behavioral coding of parent-child interaction tasks
- Trained others in data analysis, including Pearson correlation, multiple regression, moderated multiple regression, principal components analysis, multilevel modeling, structural equation modeling, and longitudinal data analysis
- Trained others in R software and coding for data management, merging, cleaning, calculating composites, and statistical analysis
- Developed and trained others in data management system for multi-site NIH study with double data entry
- Trained others in open and collaborative science with version control using GitHub
- Trained others in EEG, including use of technical equipment, net placement on young children, data processing, interpretation, and data analysis
- Worked closely with junior graduate student on pre-doctoral NSF grant submission that built on my dissertation study; grant was awarded
- Published in a peer-reviewed journal with junior graduate student using EEG data from my dissertation study
- Submitted a manuscript to a peer-reviewed journal with a former undergraduate research assistant whose Honors project I supervised