

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 | Assistant Professor University of Iowa, Department of Psychological and Brain Sciences 2017–present Primary: Clinical Science Research Groups: Developmental Psychopathology, Developmental Science | |
| EDUCATION | Clinical Psychology Internship Western Psychiatric Institute and Clinic, University of Pittsburgh Medical Center, Pittsburgh, PA 2015–2016 APA-Accredited Predoctoral Internship in Clinical Psychology | |
| | Ph.D. Indiana University, Bloomington, IN 2009–2016 Ph.D., Clinical Psychology, August 2016 <ul style="list-style-type: none">• Advisor: John Bates, Ph.D.• Major: Clinical Science• Minor: Cognitive Neuroscience• Dissertation: Neurophysiological mechanisms in the development of externalizing behavior problems in young children | |
| | B.A. University of Texas, Austin, TX 2005–2008 B.A., Psychology, French, December 2008 <ul style="list-style-type: none">• With High Honors, Honors in Psychology, Honors in French• Psychology Honors Thesis: <i>Children's Syntactic Processing of Language</i>• French Honors Thesis: <i>Acceptability of French Borrowings in English</i>• Minor: Sociology (criminology track) | |
| AWARDS | National Institutes of Health (NIH) <ul style="list-style-type: none">• National Research Service Award (NRSA) Grant 2014–2015• Developmental Training Grant in Integrative Developmental Process 2011–2012 National Science Foundation (NSF) <ul style="list-style-type: none">• Graduate Research Fellowship Honorable Mention 2010 Indiana Clinical and Translational Sciences Institute (CTSI) <ul style="list-style-type: none">• Predoctoral Training Grant in Translational Research 2012–2013 | |

Society for Research in Child Development
• Student Travel Award 2011, 2015
• Early Career Travel Award 2019

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 R01 DC008089 2018–2023

Funding Agency: NIH/NIDCD
Role: Co-Investigator (PI: McMurray)
Grant Title: The Development of Real Time Spoken and Written Word Recognition: Cognitive Bases of Language and Education Outcomes
Direct Costs: \$2,124,795
Indirect Costs: \$1,657,382

Old Gold Summer Fellowship 2018
Funding Agency: University of Iowa
Role: Principal Investigator
Grant Title: Neurophysiological Processes in Self-Regulation and Externalizing Problems in Early Childhood

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)
Direct Costs: \$77,368

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/NICHD
Role: Pre-doctoral trainee (PI: Linda Smith, Ph.D.)
Grant Title: Training Program in Integrative Developmental Process (T32 HD007475-17)

PUBLICATIONS PEER-REVIEWED ARTICLES

[19] Brooker, R.J., Bates, J.E., Buss, K.A., Canen, M.J., Dennis-Tiwary, T.A., Gatzekopp, L.M., Hoyniak, C.P., Klein, D.N., Kujawa, A., Lahat, A., Lamm, C.,

- Moser, J.S., **Petersen, I.T.**, Tang, A., Woltering, S., & Schmidt, L.A. (in press). Conducting event-related potential (ERP) research with young children: A review of components, special considerations and recommendations for research on cognition and emotion. *Journal of Psychophysiology*.
- [18] Staples, A.D., Bates, J.E., **Petersen, I.T.**, McQuillan, M.E., & Hoyniak, C.P. (in press). Measuring sleep in young children and their mothers: Identifying actigraphic sleep composites. *International Journal of Behavioral Development*.
- [17] **Petersen, I.T.**, Hoyniak, C.P., Bates, J.E., Staples, A.D., & Molfese, D.L. (2018). A longitudinal, within-person investigation of the association between the P3 ERP component and externalizing behavior problems in young children. *Journal of Child Psychology and Psychiatry*, *59*(10), 1044-1051. doi: 10.1111/jcpp.12975, OSF: <https://osf.io/25vq6>
- In the news:
<https://now.uiowa.edu/2018/09/ui-researchers-identify-marker-brain-associated-aggression-children>
- [16] Hoyniak, C.P., Bates, J.E., **Petersen, I.T.**, Yang, C-L, Darcy, I., & Fontaine, N.M.G. (in press). Diminished neural responses to emotionally valenced facial stimuli: A potential biomarker for unemotional traits in early childhood. *Child Psychiatry and Human Development*. doi: 10.1007/s10578-018-0821-9
- [15] Uher, J., Trofimova, I., Sulis, W., Netter, P., Pessoa, L., Posner, M.I., Rothbart, M.K., Rusalov, V., **Petersen, I.T.**, & Schmidt, L.A. (2018). Diversity in action: Exchange of perspectives and reflections on taxonomies of individual differences. *Philosophical Transactions of the Royal Society B: Biological Science*, *373*, 1–9. doi: 10.1098/rstb.2017.0172
- [14] **Petersen, I.T.**, Lindhiem, O., LeBeau, B., Bates, J.E., Pettit, G.S., Lansford, J.E., & Dodge, K.A. (2018). Development of internalizing problems from adolescence to emerging adulthood: Accounting for heterotypic continuity with vertical scaling. *Developmental Psychology*, *54*(3), 586–599. doi: 10.1037/dev0000449
- [13] Lindhiem, O., **Petersen, I.T.**, Mentch, L.K., & Youngstrom, E.A. (in press). The importance of calibration in clinical psychology. *Assessment*. doi: 10.1177/1073191117752055
- [12] Hoyniak, C.P., Bates, J.E., **Petersen, I.T.**, Yang, C-L, Darcy, I., & Fontaine, N.M.G. (2018). Reduced neural responses to vocal fear: A potential biomarker for callous-uncaring traits in early childhood. *Developmental Science*, *21*(4), e12608. doi: 10.1111/desc.12608
- [11] Hoyniak, C.P., **Petersen, I.T.**, Bates, J.E., & Molfese, D.L. (2018). The neural correlates of temperamental inhibitory control in toddlers. *Philosophical Transactions of the Royal Society B: Biological Science*, *373*, 1–5. doi: 10.1098/rstb.2017.0160s, OSF: <https://osf.io/9nzev>
- [10] **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
- [9] **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/pas0000185

- [8] 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
- [7] **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>
- [5] 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
- [4] 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
- [3] 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
- [2] **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
- [1] **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

- [3] Fontaine, N.M.G. & **Petersen, I.T.** (2017). Developmental trajectories of psychopathology: An overview of approaches and applications. In L. Centifanti & D. Williams (Eds.), *The Wiley handbook of developmental psychopathology* (pp. 5–28). Hoboken, NJ: 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.

- [1] 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.

CONFERENCE
PUBLICATIONS

- Petersen, I.T.**, Hoyniak, C.P., Staples, A.D., Bates, J.E., & Molfese, D.L. (2015). Nonlinear association between N2 ERP amplitudes and dysregulated behavior in young children. In S. Furlong (Chair), *Neural correlates of behavior disorders in early childhood: Evidence from multiple neuroimaging methods*. Paper symposium presented at the meeting of the Society for Research in Child Development, Baltimore, MD.
- Petersen, I.T.**, & LeBeau, B. (2019). A within-individual investigation of the association between children’s vocabulary skills and externalizing problems. Poster presented at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.
- Petersen, I.T.**, Bates, J.E., & Staples, A.D. (2018). Heterotypic continuity of inhibitory control in early childhood: Evidence from a widely used measure. Paper symposium presented at the biennial meeting of the International Society for the Study of Behavioural Development, Gold Coast, Australia.
- Petersen, I.T.**, Bates, J.E., D’Onofrio, B.M, Staples, A.D., Coyne, C.A., Van Hulle, C.A., Pettit, G.S., Lansford, J.E., & Dodge, K.S. (2018). The role of language ability in the development of behavior problems. Symposium presented at the meeting of the Experimental Psychology Society, Leicester, UK.
- 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 biennial 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). Maturational constraints on second language acquisition. Poster presented at the Honors Psychology Poster Session, University of Texas, Austin, TX.

PRESENTATIONS

- Petersen, I.T.** & LeBeau, B. (2018). The role of language ability in the development of externalizing behavior problems in childhood. Project presented at University of Iowa Clinical Science Clinical Rounds.
- Petersen, I.T.** (2018). My academic and intellectual history, trajectory, and future. Project presented at University of Iowa First Year Clinical Psychology Seminar.
- Petersen, I.T.** (2018). A developmental, bio-psycho-social model of attention-deficit/hyperactivity disorder and treatment implications. Presented to the University of Iowa Child Psychiatry Residents.
- Petersen, I.T.**, Hoyniak, C.P, Bates, J.E., Staples, A.D., & Molfese, D.L. (2017). The P3 ERP and externalizing problems: A within-individual analysis. Project presented at University of Iowa Clinical Science Data Blitz.
- 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, Fall 2017, Fall 2018, Spring 2019)
- 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)
- “Parent Management Training: In Practice”, *Behavior Modification* (Fall 2017)

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:

Addictive Behaviors

Assessment

Child Development

Child Development Perspectives

Development and Psychopathology

Developmental Neuropsychology

Developmental Psychology

Early Education and Development

Emotion

Infant and Child Development

Infant Mental Health Journal

International Journal of Behavioral 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

Journal of Cognition and Development

Journal of Neural Transmission

Psychophysiology

Research in Developmental Disabilities

School Psychology Quarterly

Society for Research in Child Development, Biennial Meeting

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.

Grant Writing Training

- Writing a NARSAD Young Investigator Application (2019, University of Iowa), Iowa Neuroscience Institute
- Grant Proposal-Writing Workshop, Phase II (2019, University of Iowa), Grant Writers' Seminars and Workshops
- Grant Proposal-Writing Workshop, Phase I (2018, University of Iowa), Grant Writers' Seminars and Workshops
- NIH R01 Writing Boot Camp (2018, University of Iowa), Research Development Office in the Office of the Vice President for Research and Economic Development
- Planning and Writing Successful Proposals (2017, University of Iowa), AtKisson Training Group

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

Teaching Training

- Challenging Conversations in the Classroom: Practical Strategies for Facilitating Robust, Inclusive, and Civil Debate (2017, University of Iowa), Center for Teaching

Management Training

- Introduction to Conflict Management for Supervisors (2018, University of Iowa), UI Learning and Development
- Helping the Troubled Employee: What Every UI Supervisor Should Know (2018, University of Iowa), UI Learning and Development
- Difficult Conversations for Supervisors (2018, University of Iowa), UI Learning and Development

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

Faculty Assembly, College of Liberal Arts and Sciences, University of Iowa, 2017–present

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

Licensed Psychologist in the State of Iowa (#082502) 2018

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 (LGC), 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_EX (L^AT_EX, B_BT_EX, Beamer), GitHub, REDCap, most common productivity packages for Windows

Operating Systems: Microsoft Windows, Apple OS, Linux

RESEARCH
 SUPERVISION

Graduate Student Advising

Research Advisory Committees

- Alyssa W. Sullivan 2018–present
- Hana-May Eadeh 2018–present
- Shana Harris 2018–present
- Francesca Scheiber 2017–2018
- Morgan N. Parr 2017–2018

Comprehensive Examination Committees

- Mark D. Bowren 2018–present
- Kathryn C. Goffin 2017–2018

Dissertation Committees

- Allison M. Momany 2018–present
- Lea J. Boldt 2018–present
- Katherine G. Jonas 2017
- Kelsey N. Spalding 2017–present

Undergraduate Honors Thesis Advising

- Samantha Stoll 2017–present
- Evan Winiger 2014
- Katherine Sarkisian 2013
- Brian Marks 2011–2012