

Ayesha C. Sujan

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EDUCATION

Indiana University - Bloomington, Bloomington, IN

Ph.D. Clinical Psychology, Expected 2021
Advisor: Brian M. D'Onofrio, Ph.D.

Cornell University, Ithaca, NY

M.A. Human Development, August 2014

Thesis: *Using multiple statistical methods to assess how maternal sociodemographic risk factors can be used to effectively target families for home visiting programs*

Advisor: John Eckenrode, Ph.D.

Tulane University, New Orleans, LA

B.S., *summa cum laude*, May 2012

Double major in Psychology and Studio Art; minor in Art History

Departmental Honors in Psychology

Thesis: *Being correct or being creative: The effect of feedback and task type on measures of well-being and motivation*

Advisor: Carrie L. Wyland, Ph.D.

HONORS AND AWARDS

2012	Phi Beta Kappa, Tulane University
2012	Mortar Board, Tulane University
2012	Anne M. McPherson Undergraduate Research Award, Tulane University
2011	Honorable Mention Community Involvement Award, Tulane University
Fall 2008 to Spring 2012	Dean's List, Tulane University
Fall 2008 to Spring 2012	Presidential Scholar Award, Tulane University

FUNDING

2016	National Institute of Mental Health funded T32 Clinical Research Training Grant (T32MH103213) Exploring the consequences of in-utero exposure to prescription medications (2 years funding for graduate stipend and tuition)
2015	National Science Foundation Graduate Research Fellowship (1342962) Testing the causal effects of fetal growth and inter-pregnancy interval on child development. (3 years funding for graduate stipend and tuition)

PUBLICATIONS

2018

Class, Q.A., Rickert, M.E., Larsson, H., Oberg, A.S., **Sujan, A.C.**, Almqvist, C., Lichtenstein, P., & D'Onofrio, B.M., (2018). Outcome-dependent associations between short interpregnancy interval and offspring psychological and educational problems: A population-based quasi-experimental study. *International Journal of Epidemiology*. doi:10.1093/ije/dyy042.

Sujan, A.C., Oberg, A.S., & D'Onofrio, B.M. (2018). Understanding Antidepressant Use During Pregnancy. *Pediatrics for Parents*. <https://pedsforparents.com/2018/05/22/depression-treatment-during-pregnancy/>

2017

Class, Q.A., Rickert, M.E., Oberg, A.S., **Sujan, A.C.**, Almqvist, C., Larsson, H., Lichtenstein, P., & D'Onofrio, B.M., (2017). Within-family analysis of interpregnancy interval and adverse birth outcomes. *Obstetrics and Gynecology*, 130(6), 1304-1311. doi: 10.1097/AOG.0000000000002358. PMID: PMC5783305.

D'Onofrio, B.M. & **Sujan, A.C.** (2017). Pregnancy Exposure Studies Need to Consider Substance Use—Reply. *The Journal of the American Medical Association*, 318(7), 666-667. doi: 10.1001/jama.2017.9194. PMID: PMC419718.

Sujan, A.C. & Eckenrode, J. (2017). An illustration of how program implementers can use population-specific analyses to facilitate the selection of evidence-based home visiting programs. *Psychosocial Interventions*, 26(2), 117-124. doi:10.1016/j.psi.2017.01.001.

Sujan, A.C., Rickert, M.E., Oberg, A.S., Quinn, P.D., Hernandez-Diaz, S., Almqvist, C., Lichtenstein, P., Larsson, H., & D'Onofrio, B.M. (2017). Associations of maternal antidepressant use during the first trimester of pregnancy with preterm birth, small for gestational age, autism spectrum disorder, and attention-deficit/hyperactivity disorder in offspring. *The Journal of the American Medical Association*, 317(15), 1553-1562. doi:10.1001/jama.2017.3413. PMID: PMC5875187.

2016

D'Onofrio, B.M., Class, Q.A., Rickert, M.E., **Sujan, A.C.**, Larsson, H., Kuja-Halkola, R., Sjölander, A., Almqvist, C., Lichtenstein, P., Oberg, A.S. (2016). Translational epidemiologic approaches to understanding the consequences of early-life exposures. *Behavior Genetics*. 46(3), 315-328. doi: 10.1007/s10519-015-9769-8. PMID: PMC4860044.

Sujan, A.C., Rickert, M.E., Class, Q.A., Coyne, C.A., Lichtenstein, P., Almqvist, C., Larsson, H., Sjölander, A., Lahey, B.B., van Hulle, C., Waldman, I., Oberg, S.A. & D'Onofrio, B.M. (2016). A genetically informed study of the associations between maternal age at childbearing and adverse perinatal outcomes. *Behavior Genetics*, 46(3), 431-456. doi:10.1007/s10519-015-9748-0. PMID: PMC4808498.

Prior to 2016

Miron, D., **Sujan, A.**, & Middleton, M. (2013). Considering the best interests of infants in foster care placed separately from their siblings. *Children and Youth Services Review*, 35(9), 1385–1392. doi:10.1016/j.childyouth.2013.05.008

Sujan, A. C., Humphreys, K. L., Ray, L. A., & Lee, S. S. (2014). Differential association of child abuse with self-reported versus laboratory-based impulsivity and risk-taking in young adulthood. *Child Maltreatment, 19*(3-4), 145-155. doi:10.1177/1077559514543827

MANUSCRIPTS UNDER REVIEW

Sujan, A.C., Oberg, A.S., Quinn, P.D, & D’Onofrio, B.M. (invited resubmission). Annual research review: Maternal antidepressant use during pregnancy and offspring neurodevelopmental problems – a critical review and recommendations for future research. *Journal of Child Psychology and Psychiatry*.

MANUSCRIPTS IN PREPARATION

Sujan, A.C., Rickert, M.E., Class, Q.A., Van Hulle, C., & D’Onofrio, B.M. (in preparation). *Predictors and offspring outcomes associated with short and long interpregnancy intervals*.

Sujan, A.C., Quinn, P.D., Rickert, M.E., Wiggs, K.K., Lichtenstein, P., Larsson, H., Oberg, A.S., D’Onofrio, B.M. (in preparation). *Maternal prescribed opioid analgesic use during pregnancy and risk for adverse birth outcomes in offspring*.

Sujan, A.C., Quinn, P.D., Rickert, M.E., Wiggs, K.K., Lichtenstein, P., Larsson, H., Oberg, A.S., D’Onofrio, B.M. (in preparation). *Maternal use of prescribed opioid analgesics in combination with benzodiazepines and antidepressants during pregnancy and risk for adverse birth outcomes in offspring*.

Vaughan, E.B., **Sujan, A.C.,** Rickert, M.E., Van Hulle, C., Lahey, B.B., & D’Onofrio, B.M. (in preparation). *Maternal age at childbearing and offspring emotional and behavioral problems*.

ORAL PRESENTATIONS

Sujan, A.C., Quinn, P.D., Rickert, M.E., Wiggs, K.K., Lichtenstein, P., Larsson, H., Oberg, A.S., D’Onofrio, B.M. (2018, October). *Maternal opioid analgesic use during pregnancy and adverse birth outcomes*. Paper to be presented at The Society for Research and Child Development Conference on the Use of Secondary and Open Source Data in Developmental Science, Phoenix, AZ.

Sujan, A.C., Quinn, P.D., Rickert, M.E, Wiggs, K.W., Lichtenstein, P., Larsson, H., Oberg, A.S., & D’Onofrio, B.M. (2018, June). *Maternal prescribed opioid analgesic use during pregnancy and offspring neurodevelopmental problems*. Paper presented at The Behavior Genetics Association Meeting, Boston, MA.

Sujan, A.C. (2018, April). *Prescribed opioid analgesic use during pregnancy: Research proposal & preliminary findings*. Presented at Clinical Colloquium, Indiana University – Bloomington, Bloomington, IN.

Sujan, A.C., Rickert, M.E., Oberg, A.S., Quinn, P.D., Hernandez-Diaz, S., Almqvist, C., Lichtenstein, P., Larsson, H., & D’Onofrio, B.M. (2017, June). *Maternal antidepressant use during the first trimester of pregnancy and offspring neurodevelopmental problems*. Paper presented at The Behavior Genetics Association Meeting, Oslo, Norway.

- Sujan, A.C.**, Rickert, M.E., Oberg, A.S., Hernandez-Diaz, S., Almqvist, C., Lichtenstein, P., Larsson, H., & D’Onofrio, B.M. (2017, April). A family-based study on the associations between maternal SSRI use during pregnancy and offspring birth outcomes. In A. Ramos (Chair), *Using Family-Based Designs to Test Associations between Pregnancy-Related Risks and Adverse Offspring Outcomes*. Symposium conducted at the meeting of the Society for Research and Child Development, Austin, TX.
- Sujan, A.C.**, Rickert, M.E., Oberg, A.S., Hernandez-Diaz, S., Almqvist, C., Lichtenstein, P., Larsson, H., & D’Onofrio, B.M. (2016, December). *Antidepressant use during the first trimester of pregnancy and offspring neurodevelopmental problems*. Paper presented at Clinical Colloquium, Indiana University – Bloomington, Bloomington, IN.
- Hoyniak, C., **Sujan, A.C.**, McQuillan, M., Bates, J.E. (2016, September). *Parent behavior training case presentation: Family routines study pilot case*. Case presented at Clinical Colloquium, Indiana University – Bloomington, Bloomington, IN.
- Sujan, A.C.**, Rickert, M.E., Class, Q.A., Coyne, C.A., Lichtenstein, P., Almqvist, C., Larsson, H., Sjölander, A., Lahey, B.B., van Hulle, C., Waldman, I., Oberg, S.A. & D’Onofrio, B.M. (2015, June). *A genetically informed study of the associations between maternal age at childbearing and adverse perinatal outcomes*. Paper presented at The Behavior Genetics Association Meeting, San Diego, CA.
- Sujan, A.C.**, Rickert, M.E., Class, Q.A., Coyne, C.A., Lichtenstein, P., Almqvist, C., Larsson, H., Sjölander, A., Lahey, B.B., van Hulle, C., Waldman, I., Oberg, S.A. & D’Onofrio, B.M. (2015, March). *A genetically informed study of the associations between maternal age at childbearing and adverse perinatal outcomes*. Paper presented at Developmental Seminar, Indiana University – Bloomington, Bloomington, IN.
- Miron, D., **Sujan, A.C.**, & Middleton, M. (2013, April). *Considering the best interests of infants in foster care placed separately from their siblings*. Paper presented at Child Psychiatry Grand Rounds, Tulane University School of Medicine, New Orleans, LA.

POSTER PRESENTATIONS

- Sujan, A.C.**, Quinn, P.D., Rickert, M.E., Wiggs, K.K., Lichtenstein, P., Larsson, H., Oberg, A.S., D’Onofrio, B.M. (2018, September). *The critical need to consider polypharmacy when studying antidepressant exposure during pregnancy and risk for offspring psychopathology*. Poster to be presented at The Society for Research in Psychopathology Conference, Indianapolis, IN, USA.
- Sujan, A.C.**, Rickert, M.E., Class, Q.A., Coyne, C.A., Lichtenstein, P., Almqvist, C., Larsson, H., Sjölander, A., Lahey, B.B., van Hulle, C., Waldman, I., Oberg, S.A. & D’Onofrio, B.M. (2015, October). *A genetically informed study of the associations between maternal age at childbearing and adverse perinatal outcomes*. Poster presented at The Psychological and Brain Sciences Homecoming, Indiana University – Bloomington, Bloomington, IN.
- Sujan, A.C.**, Humphreys, K. H., Ray, L. A., & Lee, S. S. (2014, April). *Differential association of child abuse with self-report versus laboratory-based risk-taking*. Poster presented at The 19th National Conference on Child Abuse and Neglect, New Orleans, LA.
- Sujan, A.C.**, & Wyland, C. (2013, January). *Being correct or being creative: The effect of feedback and task type on measures of well-being and motivation*. Poster presented at the 14th annual convention for the Society for Personality and Social Psychology, New Orleans, LA.

Wyland, C., **Sujan, A.C.**, & Roggeveen, S. (2013, January). *The relationship between use of Facebook and narcissism, empathy and perspective-taking*. Poster presented at the 14th annual convention for the Society for Personality and Social Psychology, New Orleans, LA.

RESEARCH EXPERIENCE

- August 2014 to Present **Developmental Psychopathology Lab**
 Indiana University – Bloomington
Mentor: Brian M. D’Onofrio, Ph.D.
Description: I study the consequences of exposure to prenatal risk factors on offspring development. I am particularly interested in understanding the potential consequences of maternal use of psychiatric medications during pregnancy on risk for adverse birth outcomes and neurodevelopmental problems in offspring. Because we cannot randomly assign offspring to be exposed to prenatal risk factors, I use real-world health care data and advanced research designs that help account for differences between exposed and unexposed offspring to make causal inferences.
- August 2013 to August 2014 **Bronfenbrenner Center for Translational Research**
 Cornell University
Mentor: John J. Eckenrode, Ph.D.
Description: I used data from the control group of the Nurse Family Partnership Elmira, New York randomized clinical trial to illustrate how program implementers can use community-level data and standard statistical methods to target existing home-visiting programs to the most at-risk families in their communities.
- March 2013 to August 2013 **Stress Impulsivity Project**
 University of California, Los Angeles
Mentor: Kathryn L. Humphreys, Ph.D., Ed.M.
Description: The goal of this project was to evaluate associations between stress and risk-taking and impulsivity. The stressors we assessed were (1) an acute laboratory induced stressor and (2) a self-reported history of child abuse. We measured risk-taking and impulsivity with self-report measures and laboratory behavioral tasks.
- June 2013 to August 2013 **Infant Development Study**
 Tulane University School of Medicine
Mentors: Stacy Drury, M.D., Ph.D. and Charles H. Zeanah, Jr., M.D.
Description: The Infant Development Study is an NIH funded investigation aimed at exploring the ability of early parent-child relations to buffer against the impact of stress on offspring development. My primary responsibility was coding mother-child attachment styles assessed with the Strange Situation Procedure.
- September 2011 to January 2013 **Attachment and Siblings in Foster Care Project**
 Tulane University School of Medicine
Mentor: Devi Miron Murphy, Ph.D.
Description: We wrote a paper on the child welfare practice of placing infants and their siblings in foster care. In the paper, we made recommendations for child welfare workers to consider when making placement decisions that involve tradeoffs between the stability of caregiver relationships versus preserving sibling relationships.

April 2012 to
August 2013

Traumatology Lab
Tulane University, School of Social Work
Mentor: Charles R. Figley, Ph.D.
Description: We conducted mixed methods research to assess stressors and coping mechanisms in a low socioeconomic community in Louisiana that was exposed to multiple natural disasters. My responsibilities included transcribing interviews and creating survey items.

August 2010 to
May 2012

The Self in Social Psychology Lab
Tulane University, School of Science and Engineering
Mentor: Carrie L. Wyland, Ph.D.
Description: We conducted research on self-esteem, well-being, and motivation. I conducted an honors thesis on the effects of feedback on motivation and well-being.

CLINICAL EXPERIENCE

January 2018 to
June 2018

Mood/Anxiety Clinic
Riley Hospital for Children, Indianapolis, IN
Supervisors: Ann Lagges, Ph.D. and Patrick D. Quinn, Ph.D.
Description: I provided evidence-based treatment, primarily Cognitive Behavioral Therapy, to children and adolescents suffering from depression, anxiety, and related disorders.

January 2015 to
May 2018

Indiana University Parent-Child Clinic
Indiana University – Bloomington,
Department of Psychological and Brain Sciences
Supervisor: John E. Bates, Ph.D. and Amy Holtzworth-Munroe, Ph.D.
Description: I provided (a) parent behavior training to parents of with children between the ages of 3 and 8 years and (b) peer supervision to other graduate student clinicians.

September 2017 to
January 2018

Pediatric Psychology Testing Practicum
Riley Hospital for Children, Indianapolis, IN
Supervisor: William G. Kronenberger, Ph.D.
Description: I administered, scored, and interpreted psychological tests for children and adolescents. The tests included (1) the Wechsler Intelligence Scale for Children V, (2) the Woodcock Johnson IV, (3) the Kaufman Brief Intelligence Test 2, (4) the California Verbal Learning Test for Children, (5) the Wide Range Assessment of Memory and Learning 2, (6) the Beery-Buktenica Developmental Test of Visual-Motor Integration, and (7) the Thematic Apperception Test.

August 2016 to
December 2017

Indiana University Cognitive Behavioral Therapy Clinic
Indiana University – Bloomington,
Department of Psychological and Brain Sciences
Supervisor: Brittney M. Brothers, Ph.D.
Description: I conducted assessments using the Structured Clinical Interview and provided Cognitive Behavioral Therapy to treat depression and anxiety.

June 2011 to
August 2013

The Tulane Infant Team
Tulane University School of Medicine
Department of Psychiatry and Behavioral Sciences
Supervisors: Charles H. Zeanah, Jr., M.D. and Julie Larrieu, Ph.D.
Description: I observed therapy sessions and assisted in daycare observations and home visits for foster children under the age of 5 years.

TEACHING EXPERIENCE

January 2017 to
May 2017

Methods of Experimental Psychology (PSY P211)
Indiana University – Bloomington, Department of Psychological and Brain Sciences
Duties: As an assistant instructor, my primary responsibility was teaching two laboratory sections.

January 2015 to
May 2015

Statistical Techniques (PSY K300)
Indiana University – Bloomington, Department of Psychological and Brain Sciences
Duties: As a teaching assistant, my primary responsibilities were grading homework assignments and exams.

August 2014 to
December 2014

Abnormal Psychology (PSY P324)
Indiana University – Bloomington, Department of Psychological and Brain Sciences
Duties: As a teaching assistant, my primary responsibilities were grading case study reports, exams, and quizzes and proctoring exams.

October 2013 to
December 2013

The Translation of Research Evidence into Practice and Policy (HD 4170)
Cornell University, Department of Human Development
Duties: I assisted in developing an upper level undergraduate seminar by reviewing and organizing research articles and news coverage related to translational research.

ADVANCED STATISTICAL TRAININGS

August 2017 to
December 2017

Advanced Epidemiology
Indiana University – Bloomington, School of Public Health
Instructor: Christina Ludema, Ph.D.
Description: This course presented concepts underlying causal theory and discussed how epidemiological concepts and methods can be understood within a causal framework.

November 2015

Design and Analysis of Twin and Family-Based Studies
Karolinska Institutet, Department of Medical Epidemiology and Biostatistics
Instructors: Arvid Sjölander, Ph.D.; Ralf Kuja-Halkola, Ph.D.; Brian D'Onofrio, Ph.D.
Description: This week-long workshop covered the theory and practice of within-family designs, which are used to estimate causal effects from observational data.

October 2015

Causal Diagrams – Theory and Applications
Indiana University – Bloomington, Department of Psychological & Brain Sciences
Instructor: Anna Sara Oberg, M.D., M.P.H., Ph.D.
Description: This workshop covered how to use Directed Acyclic Graphs (DAGs) to illustrate relationships between variables and identify sources of bias.

January 2015 to
May 2015 **Categorical Data Analyses**
Indiana University – Bloomington, School of Education
Instructor: Leslie Rutkowski, Ph.D.
Description: This course covered the theory and practice of categorical data analyses.

August 2014 to
December 2014 **Covariance Structure Analyses**
Indiana University – Bloomington, School of Education
Instructor: Leslie Rutkowski, Ph.D.
Description: This course focused on latent variables and structural equation modeling.

OTHER TRAININGS

May 2018 **Best Practices in CBT for Depression**
Indianapolis Institute for Cognitive Therapy
Instructors: Christine A. Padesky, Ph.D.
Description: This workshop emphasized strategies to manage common obstacles encountered by therapist working with depressed clients. Workshop attendees learned to (a) make treatment decisions guided by client symptom measures, (b) employ behavioral experiments to counter inertia, pessimism, and hopelessness, (c) fine tune the use of Thought Records to maximize their effectiveness, (d) test negative automatic thoughts in action as well as on paper, (e) reduce relapse risk with continuation therapy, and (f) use depression inventories to predict when booster sessions are warranted.

June 2013 **Strange Situation Procedure Training**
University of Minnesota, Institute of Child Development
Instructors: Alan Sroufe, Ph.D. and Elizabeth Carlson, Ph.D.
Description: This two week training covered how to administer the Strange Situation Procedure and how to code for organized (avoidant, secure, and resistant) and disorganized patterns of attachment in 12 to 18 month old infants and their caregivers.

STATISTICAL/PROGRAMMING SKILLS

Experience with SAS, R, Mplus, and SPSS.

SERVICE AND LEADERSHIP ACTIVITIES

2011 to 2012 Vice-President, Tulane University Psi Chi & Psychology Club
2011 Head Coach, Girls on the Run (Girls on the Run is a prevention program for preteen girls to foster positive self-image, healthy decision-making, and social skills.)

PROFESSIONAL SOCIETIES

2015 to present Behavior Genetics Association
2014 to present Society for Research in Child Development
2011 to present Psi Chi

AD HOC REVIEWER

European Child & Adolescent Psychiatry
Journal of Psychiatric Research
Neuroscience & Biobehavioral Reviews