

# Christopher A. Crawford, M.S.

Curriculum Vitae

Indiana University Indianapolis

Cardiometabolic Behavioral Medicine Laboratory

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He/him/his

## Education

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### Associate of Science, 2012

Concentration in Mathematics

Ivy Tech Community College Elkhart

### B.A. Psychology, 2016

Minor in English

Indiana University South Bend (IUSB)

### M.S. Clinical Psychology, 2023

Indiana University-Purdue University Indianapolis (IUPUI)

Emphasis: Clinical Health Psychology

Mentor: Jesse C. Stewart, PhD

Thesis: "Examining Relationships among Depression Treatment, Brain-Derived Neurotrophic Factor (BDNF), and Depressive Symptom Clusters in Primary Care Patients with Depression"

### Preliminary Examination, Defended 2024

Indiana University Indianapolis (IU Indianapolis, previously IUPUI)

Mentor: Jesse C. Stewart, PhD

Thesis: "Evaluating Cognitive Flexibility as a Link Between Insomnia and Future Depression: A Systematic Review"

### Doctoral Candidate in Clinical Psychology (Ph.D. expected 2026)

IU Indianapolis

Emphasis: Clinical Health Psychology

Mentor: Jesse C. Stewart, PhD

Dissertation: "Biological and Cognitive Mechanisms: Unraveling the Insomnia to Depression Pathway"

## Honors & Awards

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2015	Smart Travel Grant, IUSB (\$500)
2016	English Department Writing Award, IUSB (\$100)
2016	Excellence in Psychology Award, IUSB (\$200)
2016	Haines Award for Outstanding Research in Psychology, IUSB (\$200)
2018	Staff Council Professional Development Grant, IU Indianapolis (\$500)
2022	IU Indianapolis Travel Fellowship (\$1,000)
2022	Graduate and Professional Educational Grant (\$500)

2022	Psychology Departmental Travel Grant (\$700)
2022	American Psychosomatic Society LGBT Health Scholar Trainee Award (\$500)
2023	IU Indianapolis Travel Fellowship (\$1,000)
2023	IU Indianapolis Psychology Departmental Travel Grant (\$500)
2023	American Psychosomatic Society Scholars Award (\$500)
2023	Indy Pride Scholarship (\$500)
2023	Graduate and Professional Educational Grant (\$500)
2023	Fielding Advocacy and Leadership Award (\$3,500)
2024	IU Indianapolis Psychology Departmental Research Grant (\$1,500)
2024	Graduate Student Diversity Committee Psychology Graduate Student Diversity Award (\$500)
2024	John H. Edwards Fellowship (\$25,000)
2024	Indiana University Harvey Milk Award
2024	Fielding Advocacy and Leadership Award (\$2,500)
2025	Society for Biopsychosocial Science and Medicine LGBT Health Scholar Trainee Award (\$500)
2025	IU Indianapolis Psychology Department Service Award (\$500)

## **Clinical Experience**

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2021-2022	<p><b>Psychology Practicum Student, Indiana University Hospital Adult Primary Care, Indianapolis, IN</b></p> <p><u>Supervisor:</u> Shelley A. Johns, Psy.D., HSPP, ABPP</p> <p><u>Responsibilities:</u> Conducted intake interviews with primary care patients seeking brief psychotherapy services. Led psychotherapy using evidenced-based practices (e.g., CBT, ACT, and DBT) for topics including depression, anxiety, and adjustment. Reviewed charts and provided referral for long-term psychotherapy services. Administered and scored mental health/psychological screeners and questionnaires (PHQ-9, GAD-7, MDQ, PC-PTSD-5, P4, MMSD, ISI, ASRS).</p>
2021-2023	<p><b>Research Assistant, Treating Insomnia to Reduce Inflammation In HIV: A Pilot Trial, IU Indianapolis</b></p> <p><u>Supervisors:</u> Kendra Stewart, Ph.D., HSPP and John Guare, Ph.D.</p> <p><u>PIs:</u> Samir K. Gupta, M.D., M.S. and Jesse C. Stewart, Ph.D.</p> <p><u>Responsibilities:</u> Provided telehealth consultations and assessments of patients with sleep difficulties in active control arm of randomized clinical pilot trial. Administered and scored brief assessments to determine symptom severity. Administered and scored the Structured Clinical Interview for Sleep Disorders-Revised (SCISD-R).</p>
2022-2023	<p><b>Psychology Practicum Student, Psychodiagnostic Assessment, Meridian Psychological Associates, Indianapolis, IN</b></p> <p><u>Supervisor:</u> Kevin L. Rand, Ph.D., HSPP</p> <p><u>Responsibilities:</u> Conducted comprehensive intake interviews for psychological diagnostic clarification with diverse client populations.</p>

Administered, scored, and interpreted a wide range of assessments, including symptom inventories (e.g., BAARS-IV), objective personality inventories (e.g., MMPI-2, MCMI-IV), cognitive tests (e.g., WAIS-IV, WMS), visual-motor and neuropsychological tests (e.g., TMT, Bender-Gestalt-2, WMS), and projective assessments (e.g., Rorschach Inkblot Test, Thematic Apperception Test). Authored integrated reports synthesizing assessment findings, diagnostic impressions, and treatment recommendations. Delivered feedback sessions to clients, explaining test results, diagnostic conclusions, and tailored treatment options. Attended professional seminars and presented cases in interdisciplinary case conferences to foster clinical growth and collaborative discussion.

2023-2024

**Psychology Practicum Student, Behavioral Sleep Medicine, Indiana University Health, Indianapolis, IN**

Supervisor: Yelena Chernyak, Ph.D., DBSM, HSPP

Responsibilities: Provided in-person and telehealth consultations and evidence-based interventions (e.g., cognitive behavioral therapy for insomnia, CPAP desensitization, hypnotic medication weaning, nightmare rescripting) to adult patients with sleep difficulties. Led and co-led weekly CBT-I psychoeducation groups for new patients. Conducted pre-surgical evaluations for Inspire Upper Airway Stimulation device in collaboration with the sleep medicine and otorhinolaryngology service line.

Administered and scored brief assessments to determine symptom severity (e.g., ISI, ESS). Triage patients and provided referrals for general mental health care and other specialty care services. Performed chart reviews and wrote SOAP notes in the electronic health record.

2024-Present

**Psychology Practicum Student, Indiana Polyclinic, Indianapolis, IN**

Supervisors: Amber Fleming, Psy.D., HSPP; Nour Elsheikh, PsyD., HSPP

Responsibilities: Provide in-person and telehealth evidence-based interventions (e.g., Cognitive-Behavioral Therapy for Chronic Pain, Acceptance and Commitment Therapy for Chronic Pain) to adult patients with chronic pain and mental health concerns in an interdisciplinary pain clinic. Perform biopsychosocial evaluations for new patient intakes. Work within an interdisciplinary pain management team (i.e., psychologists, physicians, nurses, and occupational therapists) and collaborate in a weekly case conference. Conduct pre-surgical psychological evaluations for spinal cord stimulation implants.

2024-Present

**Research Assistant, SHADES Mechanistic Trial, IU Indianapolis**

Supervisor: Kendra Stewart, Ph.D., HSPP

PI: Jesse C. Stewart, Ph.D.

Responsibilities: Conduct in-person and telehealth sleep psychoeducation sessions with adult research participants with sleep difficulties in active control arm of a randomized clinical trial. Administer and score brief

assessments to determine symptom severity. Administer and score SCISD-R, and train other study research assistants in administration and scoring.

## Peer-Reviewed Publications

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1. **Crawford, C.** & Juricevic, I. (2016). Two Frameworks for the Interpretation of Metaphoric and Literal Size Depictions in Comic Books. *International Journal Of Comic Art*, 18(1), 561-584.
2. **Crawford, C.** & Juricevic, I. (2018). Structural and Contextual Frameworks: Distinguishing Literal from Metaphoric Depictions of Exaggerated Size. *Journal of the Indiana Academy of Social Sciences*, 21, 64-79.
3. **Crawford, C.** & Helm, B. (2020). How Can Stoic Philosophy Inspire Psychosocial Genetic Counseling Practice? An Introduction and Exploration. *The Journal of Rational-Emotive and Cognitive Behavioral Therapy*, 38, 155-172. <https://doi.org/10.1007/s10942-019-00330-6>
4. **Crawford, C.**, Vujakovich, C., Elmore, S., Fleming, E., Landis, B., Spoonamore, K., and Ware, S. (2020). Adolescents with Congenital Heart Disease: A Patient and Parental Perspective of Genetic Information and Genetic Risk. *Cardiology in the Young*, 30(2), 219-226. <https://doi.org/10.1017/S1047951119002646>
5. **Crawford, C.** & Juricevic, I. (2020). Understanding Pictorial Metaphor in Comic Book Covers: A Test of the Contextual and Structural Frameworks. *Studies in Comics*, 11(2), 341-359. [https://doi.org/10.1386/stic\\_00034\\_1](https://doi.org/10.1386/stic_00034_1)
6. **Crawford, C.** & Juricevic, I. (2022). Understanding metaphor in art: Distinguishing literal giants from metaphorical challenges. *Psychology of Aesthetics, Creativity, and the Arts*. <https://doi.org/10.1037/aca0000477>
7. Shell, A. L., Gonzenbach, V., Sawhney, M., **Crawford, C. A.**, & Stewart, J. C. (2022). Associations between affective factors and high-frequency heart rate variability in primary care patients with depression. *Journal of Psychosomatic Research*, 161, 110992. <https://doi.org/10.1016/j.jpsychores.2022.110992>
8. **Crawford, C.A.**, Williams, M.K., Shell, A.L., MacDonald, K.L., Considine, R.V., Wu, W., Rand, K.L., & Stewart, J.C. (2023). Effect of Modernized Collaborative Care for Depression on Brain-Derived Neurotrophic Factor (BDNF) and Depressive Symptom Clusters: Data from the eIMPACT Trial. *Psychiatry Research*, 115581. <https://doi.org/10.1016/j.psychres.2023.115581>
9. Carson, I., Wu, W., Knopf, A., **Crawford, C. A.**, & Zapolski, T. C. B. (2024). On the Relationship Between Online Heterosexist Discrimination and Mental Health and Substance Use Among LGBTQ+ Young Adults. *Archives of sexual behavior*, 10.1007/s10508-023-02800-6. Advance online publication. <https://doi.org/10.1007/s10508-023-02800-6>
10. Williams, M. K., **Crawford, C. A.**, Zapolski, T.C., Hirsh, A.T., & Stewart, J. C. (2024). Longer-Term Mental Health Consequences of COVID-19 Infection: Moderation by Race and Socioeconomic Status. *International Journal of Behavioral Medicine*, 10.1007/s12529-024-10271-9. Advance online publication. <https://doi.org/10.1007/s12529-024-10271-9>
11. Shell, A. L., **Crawford, C. A.**, Cyders, M. A., Hirsh, A. T., & Stewart, J. C. (2024). Depressive disorder subtypes, depressive symptom clusters, and risk of obesity and diabetes: A systematic review. *Journal of affective disorders*, 353, 70–89. <https://doi.org/10.1016/j.jad.2024.02.051>

12. Schuiling, M.D., Shell, A.L., Callahan, C.M., Nurnberger, J.I., MacDonald, K.L., Considine, R.V., Wu, W., Hirsh, A.T., **Crawford, C.A.**, Williams, M.K., Lipuma, T.C., Gupta, S.K., Kovacs, R.J., Rollman, B.L., Stewart, J.C. (2024). Effect of Depression Treatment on Health Behaviors and Cardiovascular Risk Factors in Primary Care Patients with Depression and Elevated Cardiovascular Risk: Data from the eIMPACT Trial. *Psychological Medicine*, 1–14. Advance online publication. <https://doi.org/10.1017/S0033291724001429>
13. **Crawford, C.A.**, Polanka, B.M., Wu, W., MacDonald, K.L., Gupta, S.K., & Stewart, J.C. (2024). Associations of Depressive Symptom Clusters with Biomarkers of Monocyte Activation, Systemic Inflammation, and Coagulation in People with HIV and Depression. *Journal of Health Psychology*. <https://doi.org/10.1177/13591053241270630>
14. **Crawford, C.A.**, Carson, I.W., Polanka, B.M., Williams, M.K., Higgins, A.B., Schuiling, M.D., & Stewart, J.C. (2024). Associations Between Sexual Orientation Dimensions and Cardiometabolic Diseases: Data from the National Epidemiologic Survey on Alcohol and Related Conditions (NESARC-III). *Psychosomatic Medicine*. <https://doi.org/10.1097/PSY.0000000000001349>

### Manuscripts Under Review

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- Sridhar, A., Tariq, M., **Crawford, C. A.**, Elmore, L., & Ware, S. M. The contribution of cilia-related genes to heterotaxy-related congenital heart defects. *Manuscript invited for revision*.
- Burg, M., Gaffey, Al., Särnholm, J., Vela, A., **Crawford, C.A.**, Stewart, J.C. Advancing Implementation of Cardiovascular Behavioral Interventions. *Manuscript under review*.

### Manuscripts in Preparation

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- Chernyak, Y., Stahl, S., Manchanda, S., **Crawford, C.A.**, Parker, N. Psychological Factors in Upper Airway Stimulation Therapy. *Drafting*.
- Crawford, C.A.**, Minor, K.S., Cyders, M.A., & Stewart, J.C. Evaluating Cognitive Flexibility as a Link Between Insomnia and Future Depression: A Systematic Review. *Drafting*.
- Crawford, C.A.**, Shell, A.L., Lipuma, T.C., Schuiling, M.D., Williams, M.K., Stewart, J.C. Effect of Modernized Collaborative Care for Depression on Individual Depressive Symptoms: Data from the eIMPACT Trial. *Drafting*.

### Oral Presentations

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1. **Crawford, C.** & Juricevic, I. (2016, October). *Understanding Pictorial Metaphor: The Interaction of Context and Structure*. Paper presented at annual meeting of the Indiana Academy of Social Sciences, Westville, IN.
2. **Crawford, C.** & Juricevic, I. (2018, August). *Understanding Metaphor in Art: Distinguishing Literal Giants from Metaphorical Challenges*. Paper presented as part of a symposium titled “Metaphor and Mind: Processing Visual Information in Art”, at the International Association of Empirical Aesthetics Congress, Toronto, Canada. Recorded.
3. **Crawford, C.**, Vujakovich, C., Elmore, L., Fleming, E., Landis, B., Spoonamore, K., and Ware, S. (2019, April). *Understanding the Genetic Contribution to Heart Disease in Children: An Adolescent and Parental Perspective*. Cardiovascular Genetics Clinical and Research Meeting series at Indiana University School of Medicine, Indianapolis, Indiana.

4. Williams, M.K., Shell, A.L., Wu, W., **Crawford, C.A.**, Schuiling, M.D., MacDonald, K.L., Stewart, J.C. (2022, March). *Effect of Modernized Collaborative Care for Depression on Overlapping Psychological Risk and Protective Factors for Cardiovascular Disease: Data from the eIMPACT Trial*. Paper presented at the 79th Annual Scientific Meeting of the American Psychosomatic Society, Long Beach, CA.
5. Schuiling, M.D., Polanka, B.M., Shell, A.L., Williams, M.K., **Crawford, C.A.**, MacDonald, K.L., Stewart, J.C. (2022, March). *Effect of Depression Treatment on Subjective Sleep Parameter Among Primary Care Patients: Data from the eIMPACT Trial*. Paper presented at the 79th Annual Scientific Meeting of the American Psychosomatic Society, Long Beach, CA.
6. Williams, M.K., **Crawford, C.A.**, Zapolski, T.C., Hirsh, A.T., & Stewart, J.C. (2023, March). *Longer-Term Mental Health Consequences of COVID-19 Infection: Moderation by Race and Socioeconomic Status*. Paper presented at the 80th Annual Scientific Meeting of the American Psychosomatic Society, San Juan, Puerto Rico.
7. Schuiling, M.D., Shell, A.L., **Crawford, C.A.**, Williams, M.K., Lipuma, T.C., Stewart, J.C. (2023, March). *Effect of Modernized Collaborative Care for Depression on Health Behaviors and Cardiovascular Disease Risk Factors: Results of the eIMPACT Trial*. Paper presented at the 80th Annual Scientific Meeting of the American Psychosomatic Society, San Juan, Puerto Rico.
8. **Crawford, C.A.**, Williams, M.K., Shell, A.L., MacDonald, K.L., Considine, R.V., Stewart, J.C. (2023, March). *Effect of Modernized Collaborative Care for Depression on Brain-Derived Neurotrophic Factor (BDNF) and Depressive Symptom Clusters: Data from the eIMPACT Trial*. Paper presented at the 80th Annual Scientific Meeting of the American Psychosomatic Society, San Juan, Puerto Rico. Received APS Scholars Award for best trainee abstract in its field.
9. **Crawford, C.A.**, Shell, A.L., Lipuma, T.C., Schuiling, M.D., Williams, M.K., Stewart, J.C. (2024, March). *Effect of Modernized Collaborative Care for Depression on Individual Depressive Symptoms: Data from the eIMPACT Trial*. Paper presented at the 81st Annual Scientific Meeting of the American Psychosomatic Society, Brighton, United Kingdom.
10. Schuiling, M.D., Shell, A.L., **Crawford, C.A.**, Williams, M.K., Lipuma, T.C., Stewart, J.C. (2024, March). *Effect of Modernized Collaborative Care for Depression on Incident Cardiovascular Disease Events: Results of the eIMPACT Trial*. Paper presented at the 2024 Society of Behavioral Medicine Annual Meeting and Scientific Sessions, Philadelphia, PA.
11. Williams, M.K., **Crawford, C. A.**, Schuiling, M. D., Shell, A. L., MacDonald, K. L., Bateman, D.R., Johnson, I.R., Gupta, S.K., Hirsh, A.T., & Stewart, J.C. (2025, March). *Modernized Collaborative Care for Depression: Impact on Psychological Risk and Protective Factors for Diabetes Among Sociodemographically Diverse Primary Care Patients*. Paper presented at the 82nd Annual Meeting of the Society for Biopsychosocial Science and Medicine, Seattle, WA.
12. Stewart, J.C., Bateman, D.R., MacDonald, K.L., Considine, R.V., Saha, C., Shell, A.L., **Crawford, C.A.**, Williams, M.K., Schuiling, M.D., & Saeed, Z.I. (2025, March). *Effect of modernized collaborative care for depression on depressive symptoms and diabetes risk biomarkers: Primary results of eIMPACT-DM pilot trial*. Paper presented at the 82nd annual meeting of the Society for Biopsychosocial Science and Medicine, Seattle, WA.

## Poster Presentations

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1. **Crawford, C.** & Juricevic, I. (2015, April). *Two Frameworks for the Interpretation of Literal and Metaphor Size Depictions in Art*. Poster presented at the Indiana University South Bend Undergraduate Research Conference, South Bend, Indiana. Received judge's honorable mention for presentation.
2. **Crawford, C.** & Juricevic, I. (2015, October). *Two Frameworks for the Interpretation of Literal and Metaphor Size Depictions in Art*. Poster presented at the Indiana Academy of Social Sciences Conference, Evansville, Indiana.
3. **Crawford, C.** & Juricevic, I. (2016, April). *Structural and Contextual Frameworks: Interpretation of Metaphorical Exaggerated Size*. Poster presented at the Indiana University South Bend Undergraduate Research Conference, South Bend, Indiana. Received judge's honorable mention for presentation.
4. **Crawford, C.** & Juricevic, I. (2016, May). *How Are Metaphoric Images Understood? A Test of the Contextual and Structural Frameworks*. Poster presented at the 28th Association for Psychological Science Annual Convention, Chicago, Illinois.
5. **Crawford, C.**, & Helm, B. (2017, October). *How Can Stoic Philosophy Inspire Psychosocial Genetic Counseling Practice? An Introduction and Exploration*. Poster presented at the Indiana Academy of Social Sciences Conference, Crawfordsville, Indiana.
6. Sridhar, A., Lajiness, J., **Crawford, C.**, Elmore, L., Tariq, M., & Ware, S. (2017, May). *Exome Sequencing Reveals Multiple Inheritance Patterns and Novel Gene Candidates in Heterotaxy*. Weinstein Cardiovascular Development and Regeneration 2017 Meeting, Columbus, Ohio.
7. Sridhar, A., Lajiness, J., **Crawford, C.**, Elmore, L., Tariq, M., & Ware, S. (2017, October). *Genetic Causes of Heterotaxy Identified By Whole Exome Sequencing*. Poster presented at The American Society of Human Genetics (ASHG) Meeting, Orlando, Florida.
8. **Crawford, C.A.**, Polanka, B.M., MacDonald, K.L., Gupta, S.K., Stewart, J.S. (2022, March). *Associations of Depressive Symptom Clusters with Biomarkers of Monocyte Activation, Systemic Inflammation, and Coagulation in People with HIV and Depression*. Poster presented at the 79th Annual Scientific Meeting of the American Psychosomatic Society, Long Beach, CA. Selected as 1 of 5 presentations for Saturday Data Blitz.
9. Shell, A.L., Schuiling, M.D., Williams, M.K., **Crawford, C.A.**, MacDonald, K.L., Considine, R.V., Acton, A.J., Stewart, J.C. (2022, March). *Effect of Depression Treatment on Somatic Depressive Symptoms and Diabetes Risk Markers among People without Diabetes: Data from the eIMPACT Trial*. Poster presented at the 79th Annual Scientific Meeting of the American Psychosomatic Society, Long Beach, CA.
10. Lipuma, T.C., Schuiling, M.D., Williams, M.K., **Crawford, C.A.**, Jones, Z.M., Considine, R.V., Stewart, J.S. (2023, March). *Associations of Somatic Depressive Symptoms with Inflammation Biomarkers in Primary Care Patients with Depression*. Poster presented at the 80th Annual Scientific Meeting of the American Psychosomatic Society, San Juan, Puerto Rico.
11. **Crawford, C.A.**, Carson, I.W., Polanka, B.M., Williams, M.K., Higgins, A.B., Schuiling, M.D., Stewart, J.S. (2023, March). *Associations Between Sexual Orientation Dimensions and Cardiometabolic Diseases: Data from the National Epidemiologic Survey on Alcohol and Related Conditions (NESARC-III)*. Citation Poster (a special designation for top posters presented in a special opening session) presented at the 80th Annual Scientific Meeting of the American Psychosomatic Society, San Juan, Puerto Rico.

12. Shell, A. L., **Crawford, C.A.**, Cyders, M. A., Hirsh, A. T., & Stewart, J. C. (2023, August). *Depressive disorder subtypes, depressive symptom clusters, and risk of obesity and diabetes: a systematic review and research agenda*. Poster presented at the 9th Annual Indiana University School of Medicine Center for Diabetes and Metabolic Diseases Symposium, Indianapolis, IN.
13. Williams, M.K., **Crawford, C. A.**, Schuiling, M. D., Shell, A. L., MacDonald, K. L., Bateman, D.R., Johnson, I.R., Gupta, S.K., Hirsh, A.T., & Stewart, J.C. (2025, March). *Feasibility and Acceptability of Modernized Collaborative Care for Depression Among Sociodemographically Diverse Primary Care Patients: Results from the eIMPACT-DM Trial*. Poster presented at the 46th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, San Francisco, CA.
14. **Crawford, C.A.**, Minor, K.S., Cyders, M.A., Stewart, J.S. (2025, March). *Evaluating Cognitive Flexibility as a Link Between Insomnia and Future Depression: A Systematic Review*. Poster presented at the 82nd Annual Scientific Meeting of the Society for Biopsychosocial Science and Medicine, Seattle, WA.
15. Lipuma, T.C., Williams, M.K., Schuiling, M.S., **Crawford, C.A.**, Jones, Z.M., MacDonald, K.L., Stewart, J.C., & Considine, R.V. (2025, March). *Associations of depression-related appetite symptoms with cardiometabolic biomarkers in primary care patients with depression*. Poster presented at the 82nd annual meeting of the Society for Biopsychosocial Science and Medicine, Seattle, WA.

## Invited Presentations

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1. ***Clinical Research Recruitment: Ethical Concerns and Optimization in the NICU/PICU***. (2018, February). Cardiovascular Genetics Clinical and Research Meeting series at Indiana University School of Medicine, Indianapolis, Indiana.
2. ***Inclusive Science Communication: Enhancing Engagement and Equity***. (2024, June). Invited talk, Oak Ridge Institute for Science and Education (ORISE) Science Communication Workshop, United States Army Medical Research Institute of Chemical Defense, Oak Ridge, Tennessee

## Research Experience

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2015-2022

### Research Assistant

Cognitive Representations Lab, IUSB

### Independent Study (Advisor: Igor Juricevic, PhD)

Objective: Conducted an independent literature review to identify key trends and formulate a two-framework theory to inform future research on the interpretation of literal and metaphoric use of pictorial metaphor.

Responsibilities: Conducted an extensive literature review, identified overarching trends in the field, and proposed dichotomous theoretical frameworks. Summarized findings in weekly meetings, which culminated in conference presentations and a first-authored manuscript. Contributed to hypothesis generation and research design for follow-up studies.

### Visual Evaluation of Metaphoric and Literal Exaggerated Size in Comic Books (PI: Igor Juricevic, PhD)

Objective: This eye-tracking study examined the relationship between visual attention and cognitive processes in the context of exaggerated size



metaphors in comic books. An adjunct portion tested the two frameworks theory in several corpuses of comic book covers and classical artworks.  
*Responsibilities:* Developed research protocols, recruited participants, and trained undergraduate research assistants to facilitate recruitment and data collection. Managed data compilation and analysis, authored study materials, and contributed to hypothesis generation and experimental design. Created IRB protocols, programmed experiments in Qualtrics, and maintained task delegation and project progress using Trello and bi-weekly updates.

2016-2020

### **Clinical Research Specialist**

Ware Lab, Indiana University School of Medicine

#### **Molecular Genetics of Heterotaxy and Related Congenital Heart Defects (PI: Stephanie Ware, MD, PhD)**

*Objective:* This study collects biospecimens and clinical information from patients and families with heterotaxy and heterotaxy-spectrum cardiovascular malformations.

#### **Pediatric Cardiomyopathy Mutation Analysis (PI: Stephanie Ware, MD, PhD)**

*Objective:* This study collects biospecimens and clinical information from patients and families with cardiomyopathy.

#### **Genetics of Heritable Disease (PI: Stephanie Ware, MD, PhD)**

*Objective:* This study collects biospecimens and clinical information from patients and families with heritable disease.

#### **Cardiovascular Malformation Sequencing in ICU Infants (PI: Stephanie Ware, MD, PhD)**

*Objective:* This study collects biospecimens and clinical information from families with infants with cardiovascular malformations who were inpatients at Riley Hospital for Children to assess if genetic syndromes are under-diagnosed in infants with cardiovascular malformations.

#### **Elucidating the PCD-Heterotaxy Spectrum Through Respiratory Phenotyping and Genotyping (PIs: Stephanie Ware, MD, PhD; Stephanie Davis, MD; & Kristen Ameal, MD)**

*Objective:* This study performs respiratory phenotyping in individuals and families with heterotaxy to better understand the range of ciliary dysfunction in this population.

*Responsibilities:* Concurrently coordinated five active clinical research studies in pediatric cardiovascular genetics. Screened, and consented subjects based upon IRB-approved standards in clinical inpatient and outpatient settings. Conducted structured interviews with participants to form pedigrees and family medical histories. Devised, optimized, and implemented standard operating procedures for study participation for external recruits. Programmed, maintained, and compiled data within REDCap database. Abstracted data from participant medical records. Trained and supervised personnel to participate in the initiation, monitoring, completion, and reporting of clinical studies in accordance

with good clinical practices (GCP). Performed regular internal audits to maintain quality standards. Authored study documents, IRB amendments, and renewals. Conducted literature reviews. Authored and edited manuscripts. Assisted in lab as needed, performing DNA extraction from buccal samples, or preparing samples for shipment. Established an external study site in Malaysia. Evaluated inpatient clinical data and presented findings to interdisciplinary clinical team.

2019-2020

**Post-Baccalaureate Research Volunteer**

Department of Psychiatry, Indiana University School of Medicine

**Collaborative Study on the Genetics of Alcoholism (COGA) (PI: John I. Nurnberger, MD, PhD)**

*Objective:* The COGA is a large-scale family study designed to identify genes that affect the risk for alcoholism and alcohol-related characteristics and behaviors.

**An Observational Longitudinal Study in Offspring of Parents with Bipolar Disorder to Evaluate the Relationship of Impairment in Psychosocial Functioning with the Manifestation of Mood Symptoms over 24 Months (PI: John I. Nurnberger, MD, PhD)**

*Objective:* The study aims to compare the 24-month duration of clinically significant mood symptoms (mania, depression) in offspring of bipolar parents with and without mild psycho-social impairment, using LIFE and PSR assessments.

*Responsibilities:* REDCap database programming, data cleaning, recruitment. Completed training in administering structured interviews, and NIH Toolbox.

2020-Present

**Graduate Research Assistant (R.A.)**

Cardiometabolic Behavioral Medicine Lab, IUPUI

**eIMPACT-DM Pilot Trial: Depression Treatment to Reduce the Excess Diabetes Risk of People with Depression and Prediabetes (PI: Jesse C. Stewart, PhD)**

*Objective:* eIMPACT-DM is a pilot randomized control trial aimed at investigating the utility of a modernized depression treatment (eIMPACT) in reducing excess DM risk of depressed primary care patients with DM risk factors and identifying associated mechanisms.

*Responsibilities:* Recruited and screened patients for eligibility, assessed basic cognitive functioning, medical and psychiatric status, and depression status. Obtained informed consent and authorization. Implemented suicidal ideation protection protocol as appropriate. Worked within a multidisciplinary team for assessment visits. Trained new study personnel. Conducted internal audits. cleaned, scored, and managed data.

**Longer-Term Cardiovascular and Psychiatric Consequences of SARS-CoV-2 Infection: Prevalence and Insights into Shared Mechanisms (PIs: Subha V. Raman, MD, Jesse C. Stewart, PhD, 2021-2023)**

*Objective:* The COVID-CTR project is designed to assess long term consequences of SARS-CoV-2 infection; specifically, the dynamics of psychiatric and cardiovascular outcomes.

*Responsibilities:* Programmed REDCap databases. Screened and recruited participants. Worked within a multidisciplinary team for assessment visits. Cleaned, scored, and managed data. Conducted analyses for publications.

**Treating Insomnia to Reduce Inflammation In HIV: A Pilot Trial (PIs: Samir K. Gupta, MD, MS, Jesse C. Stewart, PhD, 2021-Present)**

*Objective:* The primary objective of this pilot trial is to evaluate the effects of cognitive behavioral therapy for insomnia on changes in biomarkers of inflammation in virologically-suppressed, HIV-positive adults with insomnia.

*Responsibilities:* Managed active control arm of study. Programmed REDCap databases. Screened patients for eligibility. Administered SCISD-R to assess insomnia. Implemented suicidal ideation protection protocol as appropriate. Worked within a multidisciplinary team for assessment visits. Cleaned, scored, and managed data, and reviewed manuscript drafts.

**Strengthening Hearts by Addressing DisruptEd Sleep (SHADES) Mechanistic Trial (PI: Jesse C. Stewart, PhD, 2023 - Present)**

*Objective:* The primary objective of this pilot trial is to evaluate the effects of cognitive behavioral therapy for insomnia on changes in biomarkers of candidate cardiovascular disease mechanisms.

*Responsibilities:* REDCap database programming. Screening patients for eligibility and recruiting. Training participants on Inspire 3 actigraphy. Using Fitabase software to assess objective sleep parameters. Administering SCISD-R to assess insomnia, and training graduate and post-graduate staff in SCISD-R administration. Implementing suicidal ideation protection protocol as appropriate. Conducting pre-treatment visits with multidisciplinary team. Measuring heartrate variability via Mindware impedance cardiograph. Active control delivery. Data cleaning, scoring, and management.

**Evaluation of the Integrated Cardiac Psychology (ICP) Clinical Service Line (PIs: Jesse C. Stewart, PhD, Yelena Chernyak, PhD, Richard Kovacs, MD, 2024 - Present)**

*Objective:* The primary aim of this study is to evaluate the impact of the newly launched ICP clinical service line, which integrates cardiac psychologists into the cardiology care team to address patient behavioral and psychosocial needs. The study utilizes clinically generated data, including process outcomes, patient-reported outcomes, and clinical outcomes extracted from the electronic health record.

*Responsibilities:* Developed and programmed a REDCap database for longitudinal data collection, including automatic scoring of clinically relevant questionnaires. Assisted in the setup of patient-use tablets and trained clinical staff in their operation. Provided support in refining data collection workflows to ensure the seamless integration of research and

clinical operations. Coordinated with multidisciplinary teams to align data extraction protocols with the research goals and service line operations. Contributed to data management and analysis planning to facilitate evaluation of ICP process, patient-reported, and clinical outcomes.

## Teaching and Mentoring Experience

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- 2015-2016      **APA Writing Specialist  
English Tutor, IUSB**  
Responsibilities: Tutored students individually on the concepts of APA writing. Reviewed papers and proposed edits.
- Spring 2016      **Undergraduate Teaching Assistant  
Statistical Analysis in Psychology, IUSB**  
Responsibilities: Graded homework and Scantron tests. Conducted review sessions. Held office-hours. Attended lectures and assisted in the classroom with student questions. Fielded emails from students about lecture topics to aid in comprehension and homework completion.
- Spring 2016      **Undergraduate Teaching Assistant  
Advanced Lab Capstone, IUSB**  
Responsibilities: Held office-hours. Reviewed research papers. Taught students to input and analyze their data in SPSS. Verified statistical analyses and assisted in interpretation of results.
- 2017-2018      **AQSESS Mentoring Program  
Mentor, IUPUI**  
*The Advancing Queer Student Education and Social Success (AQSESS) program connects LGBTQ+ students with LGBTQ+ faculty and staff mentors.*  
Responsibilities: Attended meetings and training sessions. Helped students navigate college and professional life as LGBTQ+ individuals.
- 2019-2020      **Queer Connections Mentoring Program  
Mentor, IUPUI**  
*The Queer Connections Mentoring Program connects LGBTQ+ students with LGBTQ+ faculty and staff mentors to assist students in cultivating healthy habits and connecting them with campus resources.*  
Responsibilities: Received Motivational Interview training as a component of this program. Met bi-monthly with my mentee to help them navigate college life and get connected with campus resources
- Fall 2020      **Graduate Teaching Assistant  
Child and Adolescent Psychology, IUPUI**  
Responsibilities: Grading assignments, fielding student questions and emails.

- Spring 2021      **Graduate Teaching Assistant**  
**Social Psychology, IUPUI**  
Responsibilities: Grading assignments, fielding student questions and emails.
- Fall 2021      **Graduate Teaching Assistant**  
**Assessment I, IUPUI**  
Responsibilities: Grading assessment reports, assessing students in WAIS and WISC administration for certification exams, fielding student questions and emails.
- Spring 2022      **Graduate Teaching Assistant**  
**Statistics, IUPUI**  
Responsibilities: Grading statistics homework, holding office hours, fielding student questions and emails.
- Fall 2022      **Graduate Teaching Assistant**  
**Assessment I, IUPUI**  
Responsibilities: Grading assessment reports, assessing students in WAIS and WISC administration for certification exams, fielding student questions and emails.
- Spring 2023      **Graduate Teaching Assistant**  
**Capstone Lab in Psychology, IUPUI**  
Responsibilities: Reviewing and providing feedback on research proposals, posters for poster session, and research reports. Holding office hours, fielding student questions and emails.

### **Other Clinically Relevant Experience**

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- 2012-2016      **Pharmacy Technician**  
**Meijer Pharmacy, Goshen, Indiana**  
Responsibilities: Retail pharmacy technician. Performed patient education on diabetes care and vaccines at health fairs. Conducted annual employee wellness checks (blood glucose, cholesterol, blood pressure). Assisted pharmacists in medication consultations and patient support.
- 2014-2015      **Youth Care Worker**  
**Bashor Children's Home, Goshen, Indiana**  
Responsibilities: Institutional childcare. Supervised children and adolescents with a range of social and behavioral problems. Assisted residents individually in a classroom setting. Managed individual and group behavior via token economy and behavioral modeling.

### **Service Activities and Leadership**

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#### **To Department, College, and University**

- 2014-2016      *Psychology Club, Indiana University South Bend.*

- Active Member.**
- 2017-2020 *LGBTQ+ Faculty and Staff Council, Indiana University-Purdue University Indianapolis. **Active Member.***
- 2022-2024 *Training Facilitator for Practicum Preparation, Indiana University Indianapolis. **Peer Mentor and Role-Play Participant.***
- 2023-Present *IUSM LGBTQ+ Advisory Committee, Indiana University School of Medicine. **Committee Member.***
- 2024-Present *Annual Harvey Milk Celebration Planning Committee, Indiana University Indianapolis. **Committee Member.***
- 2024-Present *Student Liaison to Clinical Psychology Area, Indiana University Indianapolis. **Graduate Student Liaison.***

### **To Discipline**

- 2015 *New Views on Gender, Indiana University South Bend. **Journal Co-Editor.***
- 2016 *Undergraduate Research Journal, Indiana University South Bend. **Journal Co-Editor.***
- 2016 *Association for Psychological Science, Student Caucus (APSSC), **Student Grant Reviewer.***
- 2023-2024 *LGBTQ+ Health Care Conference 2023 Planning Committee, Indiana University School of Medicine. **Planning Committee Member.***
- 2023-Present *LGBTQ+ Health Special Interest Group, Society for Biopsychosocial Science and Medicine. **Co-Chair.***
- 2023-Present *Journal Ad hoc reviewer, Psychiatry Research. **Reviewer.***
- 2024-Present *Society for Biopsychosocial Science and Medicine (previously APS) Program Committee for 2025 annual conference. **Planning Committee Member.***
- 2024-Present *Ad Hoc Abstract Reviewer, Society for Behavioral Science and Medicine 2025 annual conference. **Reviewer.***
- 2024-Present *LGBTQ+ Health Care Conference 2024 Planning Committee, Indiana University School of Medicine. **Planning Committee Member.***

### **To Community**

- 2017 *Indiana Black Expo, Indiana University-Purdue University Indianapolis Booth. **Volunteer.***
- 2017-2018 *Advancing Queer Student Education and Social Success (AQSESS) Program, Indiana University-Purdue University Indianapolis **Mentor.***
- 2018-2019 *AQSESS Program, Indiana University-Purdue University Indianapolis **Administrator.***
- 2020-2022 *Graduate OUT in STEM (GoSTEM), Indiana University-Purdue University Indianapolis. **Secretary.***
- 2022-2024 *Graduate OUT in STEM (GoSTEM), Indiana University Indianapolis. **President.***
- 2022-Present *Volunteer, Indiana Youth Group (IYG).*

### **Workshops and Training**

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**Clinical***Motivational Interviewing* (2019)

Mallori DeSalle, MA, LMHC, CCMHC, NCC, MATS, CPS

*Spiritual and Religious Competencies (SPARC) in Mental Health* (2020)

SPARC was an advanced multicultural training seminar on clinical competencies related to spiritual and religious beliefs and practices.

*Motivational Interviewing Workshop* (2020)

Eric Comstock, M.A., LMFT, LCAC

*Working with Suicidal People: Risk Assessment and Suicide-Specific Intervention* (2021)

Thomas E Ellis, PsyD, ABPP

*SCISD-R Training* (2021)

Achieved Provisional Proficiency in administering the SCISD-R.

Jessee R. Dietch, PhD

*Self-Care as a Clinical Psychologist* (2022)

Gary Morse, PhD

*Acceptance Commitment Therapy (ACT) I Online Training* (2022)

Matt Boone, LCSW

*Rorschach Scoring – The Exner Method* (2022)

Janine Miller, PhD

*Dialectical Behavioral Therapy (DBT) Workshop* (2023)

Tamika Zapolski, PhD

*Psychodynamic Diagnosis and Case Conceptualization* (2023)

Elgan Baker, PhD

*Personality Styles In Psychotherapy: A Roadmap For Deep And Lasting Change* (2023)

Jonathan Shedler, PhD

*Live Case Supervision Masterclass with Dr. Jonathan Shedler* (2023)

Jonathan Shedler, PhD

*Cognitive Processing Therapy/Prolonged Exposure Therapy/Narrative Exposure Therapy* (2024)

Michelle Miller, PhD, Tori Powers, PhD, &amp; Kendra Hinton-Froese, PhD

**Research***Collaborative Institutional Training Initiative (CITI)* (2016)

Current certification in Biomedical Research, Social and Behavioral Research, Good Clinical Practices, and Responsible Conduct of Research

*Workforce Education Research Knowledge (WERK) Novice Coordinator Education – Level Two Program* (Apr 2017)

Indiana Clinical and Translational Sciences Institute (CTSI)

*Indiana University Training* (2020)

Teacher's Assistant Training, FERPA Training, HIPAA Training, Bloodborne Pathogen Training

*Systematic Reviewing and Meta-analysis with R* (2021)

Ekin Secinti, PhD

*Introduction to Structural Equation Modeling* (2022)

Patrick Curran &amp; Greg Hancock, Ph.D

*Latent Variable Modeling of Mediation and Moderation* (2023)

Todd Little, PhD

**Professional Development**

*Safe Space and Trans Ally Training*, IUPUI LGBTQ+ Center (2017)

*Creating Campus Change Professional Development Series* (2019)

Professional Development seminars for LGBTQ+ individuals in higher education.

*CIRTL Network course: Research Mentor Training* (2024)

Jennifer Aumiller, MEd

Brian Rybarczyk, PhD

*CIRTL Network course: Intro to Evidence-Based Undergraduate STEM Teaching* (2024)

Trina McMahon, PhD

Derek Bruff, PhD

*Using AI in Academic Work* (2024)

Jesse C. Stewart, PhD

Adam Hirsh, PhD

**Professional Affiliations**

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2013 (Inducted) Phi Theta Kappa

2015 (Inducted) Psi Chi

2015 Indiana Academy of Social Sciences

2016 Association of Psychological Sciences

2018-2020 International Association of Empirical Aesthetics

2022-2023 Indiana Society for Psychoanalytic Thought

2022-2025 Preparing Future Faculty and Professionals training program at IUI

2022-Present GoSTEM

2022-Present Society for Biopsychosocial Science and Medicine

2024-Present American Psychological Associations (APA) Div 38 – Health Psychology and Div 44 - Society for the Psychology of Sexual Orientation and Gender Diversity – Student Member