**Curriculum Vitae**

**Personal Information**

Name: Quetzal A. Class, Ph.D.

Office: Department of Obstetrics and Gynecology

University of Illinois, Chicago

820 S. Wood Street, M/C 808

Chicago, IL 60612

812-929-9957

qaclass@uic.edu

**Academic Positions**

2019-present Research Assistant Professor

Department of OBGYN, University of Illinois at Chicago (UIC)

2016-2019 Assistant Professor

Department of OBGYN, University of Illinois at Chicago (UIC)

**Professional Experience**

2022-present Academic Editor, Editorial Board

*PLOS ONE*

Referee submitted manuscripts in the discipline of Medicine and Health Sciences, sections of Obstetrics and Gynecology and Women’s and Maternal Health

2016-present Director of Resident Research

Department of OBGYN, UIC

Direct, mentor, and manage all steps of the research processes of all 28-29 OBGYN residents

**Education**

2015-2016 Postdoctoral Scholar

University of Chicago, Chicago, IL

Department of Public Health Sciences

2014-2015 Clinical Psychology Internship

Indiana University (IU) School of Medicine, Indianapolis, IN

APA-Accredited Predoctoral Clinical Internship, General Emphasis

2007-2015 Ph.D.

IU, Bloomington, IN

Department of Psychological and Brain Science

APA-Accredited Clinical Science Program

2001-2005 B.S.

University of California, San Diego (UCSD) - La Jolla, CA

Graduated Magna Cum Laude with Highest Honors in Psychology

**Publications**

**Peer-Reviewed**

1. **Class, Q.A.**, Ereme, K.\*, Wheatley, C., & Grand, A.\* (in press). Birth process satisfaction following practice changes due to the COVID 19 pandemic. *International Journal of Childbirth.*
2. Edwards, S.\*, Wheatley, C., Sutherland, M., **Class, Q.A.** (in press). Race and APGAR scoring biases. *American Journal of Obstetrics and Gynecology*.
3. Morong, J.\*, **Class, Q.A.**, Zamah, M., & Hinz, E. (2022). Parenting intensions in transgender and gender non-conforming adults. *International Journal of Obstetrics and Gynecology*. *DOI: 10.1002/ijgo.14194*
4. **Class, Q.A.** (2021). Obesity and the increasing odds of Cesarean Delivery. *Journal of Psychosomatic Obstetrics and Gynecology*. DOI: 10.1080/0167482X.2021.1967926
5. Guan, Y.\*, **Class, Q.A.**, Litwiller, A. (2021). Use and Utility of Endocervical Curettage at Colposcopy. *The Journal of Reproductive Medicine*. 66(3):123-129.
6. Whelan A.R.\*, Wagner-Schuman M., Ghelani S., Majewski E., Summers S., **Class Q.A.** (2021) Associations between inpatient psychiatric admissions during pregnancy and adverse obstetrical and birth outcomes. *American Journal of Obstetrics and Gynecology Maternal Fetal Medicine*. 3(5):100413. doi: 10.1016/j.ajogmf.2021.100413. PMID: 34082170.
7. Cotangco, K.\*, **Class, Q.A.,** Johnson, T.P.,Kothari, R. (2020) The change of life: Understanding and knowledge and attitudes regarding menopause and hormone replacement therapy in cervical cancer survivors. *Menopause, 27(6), 701-705. DOI*: 10.1097/GME.0000000000001520
8. O’Reilly, L.M., Kuja-Halkola, R., Rickert, M.E., **Class, Q.A.,** Larsson, H., Lichtenstein, P., & D’Onofrio, B.M. (2020). The intergenerational transmission of suicidal behavior: An offspring of siblings study. *Translational Psychiatry*, 10(1), 173. DOI:10.1038/s41398-020-0850-6
9. Sujan, A.C., Rickert, M.E., **Class, Q.A.,** Van Hulle, C., & D’Onofrio, B.M. (2019). Risk factors and child outcomes associated with short and long interpregnancy intervals. *Early Child Development and Care, 1-12.*doi:10.1080/03004430.2019.1703111
10. **Class, Q.A.**, Rathouz, P.J., Van Hulle, C.A., Applegate, B., Waldman, I.D., Zald, D. H., & Lahey, B.B. (2019). Socioemotional dispositions of children and adolescents predict general and specific second-order factors of psychopathology in early adulthood: A 12-year prospective study. *Journal of Abnormal Psychology,* 128(6), 574-584. DOI: 10.1037/abn0000433
11. Ginsberg, Y., D’Onofrio, B.M., Rickert, M.E., **Class, Q.A.,** Rydell, M., Almqvist, C., Lichtenstein, P., & Larsson, H. (2019). Maternal infection requiring hospitalization during pregnancy and attention deficit hyperactivity disorder in offspring: A quasi-experimental family-based study. *Journal of Child Psychology and Psychiatry,* 60(2), 160-168. DOI: 10.1111/jcpp.12959
12. **Class Q.A**. Maternal infection associated with autism and depression in their offspring. Invited commentary of Haddad et al., (2019), *Journal of Pediatrics*. 2019; 210:239-242.
13. Keenan, K., Hipwell, A.E., **Class, Q.A.**, & Mbayiwa, K. (2018). Extending the developmental origins of disease model: Impact of preconception stress exposure on offspring neurodevelopment. *Developmental Psychobiology,* 60(7), 753-764. DOI:10.1002/dev.21773
14. **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,* 47(4), 1159-1168.DOI: 10.1093/ije/dyy042*.*
15. Lahey, B.B., **Class, Q.A.**, Zald, D. H., Rathouz, P.J., Applegate, B., Waldman, I.D. (2017). Prospective test of the developmental propensity model of antisocial behavior: From childhood and adolescence into early adulthood. *Journal of Child Psychology and Psychiatry*, 59 (7), 676-683. DOI: 10.1111/jcpp.12852
16. Lahey, B.B., Zald, D. H., Perkins, S.F., Villalta, V.G., Werts, K.A., Van Hulle, C.A., Rathouz, P.J., Applegate, B., **Class, Q.A.**, Poore, H.E., Watts, A., & Waldman, I.D. (2017). Measuring the hierarchical general factor model of psychopathology in young adults. *International Journal of Methods in Psychiatric Research*, 27, e1593-15602. DOI: 10.1002/mpr.1593
17. **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 & Gynecology,* 130 (6), 1304-1311. DOI: 10.1097/AOG.0000000000002358
18. Bramson, L.M., Rickert, M.E., **Class, Q.A.**, Sariaslan, A., Almqvist, C., Larsson, H., Lichtenstein, P., & D'Onofrio, B.M. (2016). The association between childhood relocations and subsequent risk of suicide attempt, psychiatric problems, and low academic achievement, *Psychological Medicine*, 46 (5), 969-979. PMCID: PMC4775283
19. 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*, 1-14, PMCID: PMC26590988
20. 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, A.S., & D’Onofrio, B.M., (2015). A genetically informed study of the associations between maternal age at childbearing and adverse perinatal outcomes, *Behavior Genetics,* 1-26. PMID: PMC26404627
21. **Class, Q.A.,** Mortensen, P.B., Henriksen, T.B., Dalman, C., D’Onofrio, B. M., & Khashan, A. S. (2015). Preconception maternal bereavement and infant and childhood mortality: A Danish population-based study, *Psychosomatic Medicine, 77*, 863-869.
22. **Class, Q.A.,** Rickert, M.E., Larsson, H., Lichtenstein, P., & D’Onofrio, B.M., (2014). Fetal growth and psychiatric and socioeconomic problems: A quasi-experimental population-based study, *British Journal of Psychiatry, 205,* 355-361.
23. **Class, Q.A.,** Abel, K.M., Khashan, A.S., Rickert, M.E., Dalman, C., Larsson, H., Hultman, C.M.,Långström, N., Lichtenstein, P., & D’Onofrio, B.M. (2014). Offspring psychopathology following preconception, prenatal, and postnatal maternal bereavement stress*, Psychological Medicine*, *44(1),* 71-84.
24. **Class, Q.A.,** Rickert, M., Lichtenstein, P., & D’Onofrio, B.M., (2014). Birth weight, physical morbidity, and mortality: A population-based sibling-comparison study, *American Journal of Epidemiology, 179*(5), 550-558*.*
25. D’Onofrio, B.M., **Class, Q.A.**, Lahey, B.& Larsson, H. (2014). Testing the developmental origins of health and disease hypothesis for psychopathology using family-based quasi-experimental designs, *Child Development Perspectives, 8,* 151-157.
26. McCoy, B.M., Rickert, M.E., **Class, Q.A.**, Larsson, H., Lichtenstein, P., D’Onofrio, B.M. (2014). Mediators of the association between parental severe mental illness and offspring neurodevelopmental problems, *Annals of Epidemiology, 24,* 629-634.
27. **Class, Q.A.,** Khashan, A.S.,Lichtenstein, P., Långström, N., & D’Onofrio, B.M. (2013). Maternal stress and infant mortality: the importance of the preconception period, *Psychological Science, 24 (7)*, 1309-1316.
28. **Class, Q.A.,** Verhulst, J., & Heiman, J. (2013). Postpartum “depression”: Exploring the heterogeneity of clinical presentation and functional impairment, *Journal of Reproductive and Infant Psychology, 31 (2),* 183-194.
29. D’Onofrio, B.M., **Class, Q.A.,** Rickert, M.E., Larsson, H., Långström, N., Lichtenstein, P. (2013). Preterm birth and mortality and morbidity: A quasi-experimental study, *JAMA Psychiatry, 70,* 1231-1240.
30. **Class, Q.A.**, D’Onofrio, B.M., Singh, A.L., Ganiban, J., Spotts, E., Lichtenstein, P., Reiss, D., & Neiderhiser, J. (2012). Current parental depression and offspring perceived self-competence: a quasi-experimental examination, *Behavior Genetics, 42 (5)*, 787-797.
31. **Class, Q.A.,** Lichtenstein, P., Långström, N., & D’Onofrio, B.M. (2011) Timing of prenatal maternal exposure to severe life events and adverse pregnancy outcomes: A population study of 2.6 million pregnancies. *Psychosomatic Medicine, 73,* 234-241.
32. Buss, C., Davis, E.P., **Class, Q.A.**, Gierczak, M., Pattillo, C., Glynn, L. & Sandman, C.A. (2009). Maturation of the human fetal startle response: Evidence for sex-specific maturation of the human fetus. *Early Human Development, 85*, 633-638.
33. Cano, M.E., **Class, Q.A.**, & Polich, J. (2009). Affective valence, stimulus attributes, and P300: Color vs. black/white and normal vs. scrambled images. *International Journal of Psychophysiology, 71 (1),* 17-24.
34. **Class, Q.A.**, Buss, C., Davis, E.P., Gierczak, M., Pattillo, C. & Sandman, C.A. (2008). Low levels of corticotropin-releasing hormone during early pregnancy are associated with precocious maturation of the human fetus. *Developmental Neuroscience, 30,* 419-426.
35. Buss, C., **Class, Q.A.**, Tan, E.T., Gierczak, M., Patillo, C., Davis, E.P., & Sandman, C.A. (2007). Fetal heart rate responses over pregnancy predict infant mental and motor development during the first year of life. *Early Human Development,* *83*, S114-S115.

**Book Chapters**

1. Sandman, C.A., **Class, Q.A.,** Glynn, L. and Davis, E.P. Neurobehavioral disorders and DOHaD. In C. Rosenfeld (Ed.), *The Epigenome and Developmental Origins of Health and Disease,* Academic Press/Elsevier, Waltham, MA, 2015.

**Invited Commentaries**

1. **Class, Q.A.** (2019) Challenges to recent evidence on maternal infection and offspring neuropsychiatric disorder [Invited commentary in Current Best Evidence on “Long-term risk of neuropsychiatric disease after exposure to infection in utero” by al-Haddad et al.] *The Journal of Pediatrics*.

**Manuscripts Under Review**

1. **Class, Q.A.**, Ryan, J.\*, Lorente, K.\*, & Kobak, W. (submitted). Obstetric anal sphincter injury complications after provider care intervention program.
2. Davenport, L.\*, Goba, G., Clark, K., Schwartz, J., & **Class, Q.A.** (submitted). HPV acquisition following contraceptive use: Risk following oral, injectable, and intrauterine devices.
3. ter Haar, C.M.\*, **Class, Q.A.**, Kobak, W., & Pandyah, L.K. (submitted). Evaluation of Telehealth Services in a Pelvic Floor Physical Therapy Clinic.
4. Morgan, J.\*, **Class, Q.A.**, Owens, T., & Braverman, A. (submitted). Pregnancy during residency.
5. Goba, G., **Class, Q.A.**, Barrett, R., Aldred, B., Divelbess, K., Watson, K., Alexander, T., Sayegh, H., MacLaughlan David, S., & Schwartz, J. (submitted). Retrospective Longitudinal Cohort Study of HR-HPV and Possible Correlates Across 23 Chicago Community Areas.
6. Braverman, A., Lin, T. Messmer, S., Taylor, R., Wollner, K., & **Class, Q.A.** (submitted). Attitude Assessment of Healthcare Workers Regarding Pregnant and Postpartum Patients Using Opioids: Experiences from an urban, academic center.
7. Butler, L.\*, Giliani, S.\*, Samshuddin, N.\*, **Class, Q.A.,** & Ganti, A. Factors associated with Covid-19 vaccine hesitancy among reproductive-aged women
8. Edwards, S.\*, **Class, Q.A.**, Ford, C.E., Alexander, T., & Fleisher, J. (submitted) Racial bias in cesarean decision-making
9. **Class, Q.A.**, Barrett, R., Divelbess, K., Watson, K., Alexander, T., Sayegh, H., MacLaughlan David, S., Schwartz, J., & Goba, G. (submitted). Predictors of cervical dysplasia and cancer multilevel analysis of individual risk factor, hardship index and community factors.
10. Singh, D.\*, **Class, Q.A.**, Goba, G., Sayegh, H., Schwartz, J. Aldred, B., Correlation between access to grocery stores and HR-HPV and high-grade cervical lesion prevalence within zip codes of Chicago, Illinois,
11. Sayegh, H.\*, Gong, D., **Class, Q.A.,** Schwartz, J., Goba., G. High-Risk HPV Strains and vaccination in Chicago: Time to consider the “Other”

**Peer-reviewed Presentations**

**Invited**

1. MacLaughlan, S., **Class, Q.A.,** Goba, G. (February 2022). Cervical Cancer in Our Backyard. Presentation given at UIC Department of Obstetrics and Gynecology Grand Rounds.
2. Goba, G., **Class, Q.A.**, Barrett, R., Schwartz, J. (April 2021). Prevalence of HPV across Chicago neighborhoods: A multilevel analysis of individual risk factors, geography of structural violence and health disparities. Presentation given at the University of Illinois Cancer Center.
3. **Class, Q.A.,** (June, 2018). Scientific rigor in studying prenatal cannabis exposure – moving forward, Paper presented at University of Illinois BIRCWH meeting, Chicago, IL.
4. **Class, Q.A.,** (February, 2018). Using within-family and quasi-experimental approaches to study interpregnancy interval and psychopathological outcomes, Paper presented in the Department of Psychology, University of IL, Chicago.
5. **Class, Q.A.,** (January, 2018). Prenatal Cannabis Exposure – what we know and how to scientifically move forward, Paper presented at Indiana University, Psychological and Brain Sciences Clinical Colloquium, Bloomington, IN.
6. **Class, Q.A.,** (October, 2017). Using within-family and quasi-experimental approaches to study interpregnancy interval and adverse birth outcomes, Paper presented in the Department of Psychology at the University of Chicago, Chicago, IL.
7. **Class, Q.A.,** (March, 2016). Using quasi-experimental and family-based designs to examine pregnancy-related risk factors, Paper presented at OBGYN Grand Rounds at the University of Illinois, Chicago, IL.
8. **Class, Q.A.,** (November, 2015). Family-based and quasi-experimental studies of pregnancy-related risk factors and offspring health outcomes, Paper presented at the University of Chicago, Chicago, IL.
9. **Class, Q.A.,** Rickert, M., Larsson, H., Lichtenstein, P., & D’Onofrio, B.M., (August, 2013). Using sibling comparisons to examine the long-term ramifications of low birth weight, Paper presented at Chapman University, Orange, CA.
10. **Class, Q. A.,** Chan, T., & Bates, J. (June, 2012). Parent Behavior Training, Workshop presented at Circles Initiative Meeting, South Central Community Action Program, Monroe County, Bloomington, IN.
11. **Class, Q. A.,** Lichtenstein, P., Langstrom, N., & D’Onofrio, B. M. (May, 2011). Consequences of

Prenatal Maternal Stress: Testing Causal Assumptions in Humans, Paper presented at the National Pre-doctoral Clinical Research Training Program Meeting, St. Louis, MO.

1. **Class, Q. A.,** Ahn, W.Y., Coyne, C.A., Donahue, K., Endres, M., Erickson, M., Goodnight, J., & Bates, J. (April, 2009). Parent Behavior Training: Clinical applications, Workshop presented at Indiana University, Psychological and Brain Sciences Clinical Colloquium, Bloomington, IN.
2. **Class, Q. A.,** Ahn, W.Y., Coyne, C.A., Donahue, K., Endres, M., Erickson, M., Goodnight, J., & Bates, J. (April, 2009). Parent Behavior Training: Addressing resistance, Workshop presented at Healthy Families Monroe, Bloomington, IN.
3. **Class, Q. A.,** D’Onofrio, B. M., Langstrom, N., & Lichtenstein, P. (July, 2009). Timing of prenatal maternal stress, Paper presented at the meeting for Early Life Programming and Neurodevelopmental Disorders, Philadelphia, PA.

**Conference**

1. Edwards, S., Vandenberg, T., **Class, Q.A.,** Braverman, A. (May 2022). Effects of Implementation of Opioid Use Disorder Screening in an Obstetric Emergency Room. Poster presented at Improving Outcome in the treatment of Opioid Dependence conference (IOTOD)
2. Gilani, S.\*, Shamshuddin, N., Butler, L., Barry, C., Orlando, V., Stoskute, M., **Class, Q.A.**, Ganti, A. (May 2022). COVID-19 Vaccine Hesitancy Among Reproductive-aged Females. Poster presented at the American College of Obstetrics and Gynecology Conference (ACOG), San Diego, CA, USA.
3. Ter Haar, C.\*, **Class, Q.A.**, Pandya, L., Kobak, W. (March 2022). Evaluation of Telehealth Services in a Pelvic Floor Physical Therapy Clinic, Poster presented at the SGS Annual meeting, San Antonio, TX, USA.
4. Edwards, S.\*, **Class, Q.A.,** Alexander, T., Ford, C., Fleisher, J. (January 2022). Racial bias in Cesarean decision-making. Poster presented at the Society for Maternal Fetal Medicine (SMFM) Annual Conference, Florida, USA.
5. Owens, T, E.\*, **Class, Q.A.,** Joyner, S., Cavanaugh, E., Harrison, R. (January 2022). Readmission of Patients with Pre-Eclampsia with Severe Features. Poster presented at the Society for Maternal Fetal Medicine (SMFM) Annual Conference, Florida, USA.
6. Sayegh, H.E.\*, Singh, D., Gong, D., **Class, Q.A.,** & Goba, G. (November 2021). High-risk HPV strains and cervical cancer in Chicago: Time to consider the “Other”. Poster presented at the International Papillomavirus Conference/Toronto, ON, Canada.
7. Janssen, J.\*, Murray, **Class, Q.A.**, & Litwiller, A. (April 2021). Colposcopic biopsy screening and results across high-risk HPV subtypes: Implications for care. E-Poster presented at American College of Obstetrics and Gynecology (ACOG) Annual Conference.
8. Morgan, J.\*, Owens, T\*. **Class, Q.A.**, & Braverman, A. (April 2021). Differences in pregnancy perceptions and outcomes in residents across specialties. E-Poster presented at American College of Obstetrics and Gynecology (ACOG) Annual Conference.
9. Owens, T.\*, Joyner, **Class, Q.A.**, & Cavanaugh, E. (April 2021). Readmission of patients with pre-eclampsia with severe features with and without proteinuria. E-Poster presented at American College of Obstetrics and Gynecology (ACOG) Annual Conference.
10. Davenport, L.\*, Goba, G., & **Class, Q.A.** (April 2021). HPV risk after combined oral contraceptives, injectable progestin, and intrauterine devices. E-Poster presented at American College of Obstetrics and Gynecology (ACOG) Annual Conference.
11. **Class, Q. A.** (July 2020). Expanding our focus from prenatal to preconception stress effects on infant outcomes. Symposium Discussant, International Congress of Infant Studies Annual Conference, Glasgow, Scotland. Conference cancelled due to COVID-19.
12. Morong, J.\*, **Class, Q.A.,** Zamah, M., & Hinz, E. (April 2020). Parenting intensions in transgender and gender non-conforming adults. E-Poster accepted for presentation at the American College of Obstetrics and Gynecology Annual Clinical Meeting, Seattle, WA
13. Guan Y.\*, **Class Q.A.**, Litwiller A. (April 2020). Use and Utility of Endocervical Curettage at Colposcopy. E-Poster accepted for presentation at the American College of Obstetrics and Gynecology Annual Clinical Meeting, Seattle, WA.
14. Seigler, J.\* & **Class, Q.A.**, (October 2019) Relationship between obesity and cesarean delivery rate. Paper to be presented at the Central Association of Obstetrics and Gynecology, Cancun, Mexico.
15. Cotangco, K.\*, **Class, Q.A.,** Kothari, R. (June 2019) The change of life: Understanding and knowledge and attitudes regarding menopause and hormone replacement therapy in cervical cancer survivors. Paper presented at the Western Association of Gynecologic Oncologists, Huntington Beach, CA, USA.
16. Bernstein, K., Hussain, N., **Class, Q.A.**, Jain, S., Dillard, M., Ryan, J. (April 2019). Does choice of contraceptive method influence frequency of STI screening and rates of STIs among adolescents and young adults in an urban academic setting. Paper presented at the 33rd Annual North American Society for Pediatric and Adolescent Gynecology, New Orleans, LA, USA.
17. Whelan, A.\*, Wagner-Schuman, M., Sommers, S., **Class, Q.A.** (February 2019). Inpatient Psychiatric Admissions and Obstetric Outcomes. Poster presented at the 39th Annual Society for Maternal-Fetal Medicine Pregnancy Meeting in Las Vegas, NV, USA.
18. Cavanaugh, E., Corey, E.\*, **Class, Q.A.,** Goba, G. (October 2018). Characteristics associated with regular cervical cancer screening in Tigray, Ethiopia. Poster presented at the 22nd FIGO Congress in Rio de Janerio, Brazil.
19. **Class, Q.A.,** Rickert, M.E., Oberg, A.S., Sujan, A.C., Almqvist, C., Larsson, H., Lichtenstein, P., & D’Onofrio, B.M., (April 2018). Within-family analysis of interpregnancy interval and adverse birth outcomes. Poster presented at ACOG Annual Clinical and Scientific Meeting, Austin, TX, USA.
20. O’Reilly, L., Rickert, M., **Class, Q.A.**, Almqvist, C., Larsson, H., Lichtenstein, P., & D’Onofrio, B.M. (November, 2017). The Intergenerational Transmission of Suicidal Behavior: A children of siblings and twins study. Paper presented at the International Summit On Suicide Research, Henderson, NV.
21. D’Onofrio, B.M., **Class, Q.A.**, Rickert, M.E., Oberg, A.S., Ginsberg, Y., Almqvist, C., Larsson, H., & Lichtenstein, P. (April, 2017). Maternal infection during pregnancy and risk for offspring autism: A family-based study. Paper presented at the meeting of the Society for Research and Child Development, Austin, TX.
22. D’Onofrio, B.M., Oberg, A.S., **Class, Q.A.**, Rickert, M.E., Bramson, L.M., Almqvist, C., Larsson, H., & Lichtenstein, P. (June, 2015). Maternal body mass index and offspring fetal growth: A cousin- and sibling-comparison study, Paper presented at the Annual Behavior Genetics Conference, San Diego, CA.
23. **Class, Q.A.**, Oberg, A.S., Rickert, M.E., Larsson, H., Lichtenstein, P., & D’Onofrio, B.M., (March, 2015). A population-based quasi-experimental study of interpregnancy interval and offspring neuropsychiatric and academic outcomes, Poster presented at the Society for Research in Child Development Biennial Meeting, Philadelphia, PA.
24. Bramson, L., Rickert, M.E., **Class, Q.A.**, Sariaslan, A., Larsson, H., Lichtenstein, P., & D'Onofrio, B.M. (March, 2015). The association between childhood relocations and risk of suicide attempt, psychiatric problems, and low academic achievement, Poster presented at the Society for Research in Child Development Biennial Meeting, Philadelphia, PA.
25. D'Onofrio, B., Oberg, A.S., **Class, Q.A.**, Rickert, M.E., Bramson, L., Almqvist, C., Larsson, H., & Lichtenstein, P. (March, 2015). Maternal Body Mass Index, Adverse Birth Outcomes, and Infant Mortality: A Cousin- and Sibling-Comparison Study, Paper presented at the Society for Research in Child Development Biennial Meeting, Philadelphia, PA.
26. **Class, Q.A.,** Rickert, M.E., Larsson, H., Oberg, A.S., Lichtenstein, P., & D’Onofrio, B.M., (November, 2014). A population-based quasi-experimental study of interpregnancy interval and offspring neuropsychiatric and academic outcomes, Poster presented at the Annual Indiana Psychological Association Fall Conference, Indianapolis, IN.
27. **Class, Q.A.,** Mortensen, P.B., Pedersen, M.G., Henriksen, T.B., Dalman, C., D’Onofrio, B. M., & Khashan, A. S., (November, 2013). Preconception maternal exposure to bereavement stress increases the risk of infant and childhood death: a Danish population-based study*,* Paper presented at the Developmental Origins of Health and Disease Annual World Congress, Singapore.
28. D’Onofrio, B., Rickert, M., **Class, Q.A.,** Kuja-Halkola, R., Larsson, H., Lichtenstein, P. (April 2013). Paternal age at childbearing and offspring risk for autism: A population-based quasi-experimental study, Paper presented at the Society for Research in Child Development Biennial Meeting, Seattle, WA.
29. **Class, Q. A.,** Khashan, A., Lichtenstein, P., Langstrom, N., & D’Onofrio, B. M. (March, 2012). Pregestational and prenatal maternal stress exposure predicting risk for infant mortality, Poster presented at the Society for Gynecological Investigation annual meeting, San Diego, CA.
30. **Class, Q. A.,** Khashan, A., Lichtenstein, P., Langstrom, N., & D’Onofrio, B. M. (March, 2012). Pregestational and prenatal stress predicting infant mortality, Poster presented at the Women in Science Research Conference, Bloomington, IN.
31. D’Onofrio, B.M., Rickert, M., **Class, Q.A.,** Langstrom, N., Lichtenstein, P., (September, 2011). Rigorously testing the fetal programming hypothesis, Paper presented at Indiana University, Psychological and Brain Sciences Developmental Seminar, Bloomington, IN.
32. **Class, Q. A.,** Lichtenstein, P., Langstrom, N., & D’Onofrio, B. M. (June, 2011). Risk for suicidal behavior after early maternal stress exposure, Paper presented at the Behavioral Genetics Association annual meeting, Newport, RI.
33. **Class, Q. A.,** Lichtenstein, P., Langstrom, N., & D’Onofrio, B. M. (April, 2011). Prenatal maternal stress and adverse birth outcome: Using siblings to test causality, Poster presented at the Indiana Clinical and Translational Sciences Institute Annual Meeting, Indianapolis, IN.
34. **Class, Q. A.,** Lichtenstein, P., Langstrom, N., & D’Onofrio, B. M. (April, 2011). Quasi-experimental investigation of prenatal maternal stress and adverse birth outcomes: A population study, Poster presented at the Society for Research in Child Development Biennial Meeting, Montreal, Quebec, Canada.
35. **Class, Q. A.,** Lichtenstein, P., Langstrom, N., & D’Onofrio, B. M. (November, 2010). Prenatal maternal stress: Consequences from Birth to Death, Paper presented at the Psychological and Brain Sciences Clinical Science Seminar, Bloomington, IN.
36. **Class, Q. A.,** Lichtenstein, P., Langstrom, N., & D’Onofrio, B. M. (October, 2010). Timing of prenatal maternal stress and adverse pregnancy outcomes, Poster presented at the Indiana Clinical and Translational Sciences Institute Indiana Retreat, Bloomington, IN.
37. Buss, C.,Davis, E. P., **Class, Q. A.,** Gierczak, M., Patillo, C., Glynn, L. & Sandman, C. A. (July, 2010). Fetal heart rate responses over pregnancy predict infant mental and motor development during the first year of life, Poster presented at the World Association for Infant Mental Health, Leipzig, Germany.
38. **Class, Q. A.,** Lichtenstein, P., Langstrom, N., & D’Onofrio, B. M. (April, 2010). Investigating the relation between human prenatal stress and adverse pregnancy outcomes: A population study of 2.6 million pregnancies, Poster presented at the Indiana Clinical and Translational Sciences Institute Annual Meeting, Indianapolis, IN.
39. **Class, Q. A.,** Lichtenstein, P., Langstrom, N., & D’Onofrio, B. M. (January, 2010). A population-based, quasi-experimental investigation on the impact of prenatal maternal stress on fetal, infant, and adult health and psychopathology, Project presented at Indiana Clinical and Translational Sciences Institute Trainee Meeting, Indianapolis, IN.
40. **Class, Q. A.,** D’Onofrio, B. M., Langstrom, N., & Lichtenstein, P. (May, 2009). Early postnatal outcomes of prenatal maternal stress: The importance of timing, Paper presented at the University of California, Irvine.
41. **Class, Q. A.,** D’Onofrio, B. M., Langstrom, N., & Lichtenstein, P. (May, 2009). Timing of maternal stress during pregnancy differentially predicts gestational age at birth, Poster session presented at the Association for Psychological Science Conference, San Francisco, CA.
42. **Class, Q. A.,** D’Onofrio, B. M., Langstrom, N., & Lichtenstein, P. (April, 2009). Prenatal maternal stress predicts gestational age at birth: The importance of timing, Paper presented at Indiana University, Psychological and Brain Sciences Developmental Seminar, Bloomington, IN.
43. **Class, Q. A.,** D’Onofrio, B. M., Ganiban, J., Spotts, E., Lichtenstein, P., Reiss, D., & Neiderhiser, J. (May, 2008). The impact of parental depression on offspring self-concept, Paper presented at the Association for Psychological Science Conference, Chicago, IL.
44. **Class, Q. A.,** Gierczak, M., Pattillo, C., Davis, E., & Sandman, C. A., (2007, February). Exposure to maternal and placental peptides, Paper presented at the Winter Neuropeptide Conference, Breckinridge, CO.
45. **Class, Q. A.,** Gierczak, M., Pattillo, C., Sandman, C. A., & Davis, E. (2006, March). Correlations between maternal salivary cortisol and fetal heart rate. Poster session presented at the annual Gatlinburg Conference on Research and Theory of Intellectual and Developmental Disabilities, San Diego, CA.
46. **Class, Q. A.,** Patterson, J. V., Gierczak, M., & Sandman, C. A., Glynn, L. M. (2006, October). The influence of parity on neurological functioning. Poster session presented at the annual conference of the Society of Psychophysiological Research, Vancouver, Canada.
47. **Class, Q. A.,** & Polich, J. (2006, March). Affective visual stimuli (IAPS) and ERPs: Valence effects and stimulus perceptability. Poster session presented at the annual conference of the Cognitive Neuroscience Society, San Francisco, CA.
48. **Class, Q. A.,** & Polich, J. (2005, June). Affective visual stimuli (IAPS) and ERPs: Valence effects and stimulus perceptability. Paper presented at the annual meeting of the UC San Diego Psychology Honors Program, La Jolla, CA.

* Medical resident or medical student mentee

**Funding and Research Support**

2022 UICC pilot Grant Program: *It’s Not Black and White: A Pilot to Understand the Individual, Community, and Biological Mechanisms Contributing to HPV and Cervical Cancer in Chicago Community Areas*. PIs: Goba, G., MacLaughlan, S., CO-I: **Class, Q.A.**

2020 *Research Education and Collaborative HPV related cancers training in Uganda and Ethiopia: REACH-Uganda and Ethiopia*; D43, Tracking number 1317671, PI: Goba, G**.,** CO-I: **Class Q.A**. not funded

2017 Center for Clinical and Translational Sciences (CCTS) Pilot Grant, *Prenatal Cannabis Exposure: Maternal use practices and maternal and birth outcome correlates* PI: **Class, Q.A.,** not funded

2013-2014 IU College of Arts and Sciences Dissertation Year Research Fellowship

Mabel LaDuke Lauder Fund recipient

2011-2013 National Institute of Mental Health (MH094011)

Kirschstein National Research Service Award (NRSA)

Individual Pre-doctoral Fellowship, 2nd percentile

2009-2011 National Institute of Health (5TL1RR025759-02)

Indiana Clinical and Translational Sciences Institute (CTSI)

Individual Career Development Award

2007-2009 National Institute of Child Health and Human Development (HD07475)

Institutional Research Training Grant in Developmental Process

2004 UCSD Chancellor’s Research Scholarship

Competitive $3,000 scholarship supporting undergraduate honors research project

**Honors and Awards**

2019 Best oral presentation at the 33rd Annual North American Society for Pediatric and Adolescent Gynecology (NASPAG)

2017, 2018, UIC Research Mentoring Award

2019 Excellence and commitment to supporting resident research efforts by mentoring and encouraging resident scholarship

2017 Building Interdisciplinary Research Careers in Women’s Health (BIRCWH) Associate

Nominated to participate in programs supported by NIH and UIC that train and support junior faculty using novel, interdisciplinary approaches to advance the research on women’s health

2014 Society for a Science of Clinical Psychology (SSCP) Outstanding Student Researcher

Nation-wide, faculty nominated competitive award for exemplary research contributions to the science of clinical psychology and for future promise as a rising star in the field of clinical science.

2014 Indiana Psychological Association 1st Place Student Abstract Competition Award

Recognition and monetary award based on quality and importance gleaned from abstract of poster submission to fall conference, all student levels considered

2013 J.R. Kantor Outstanding Graduate Student Research Award, Department of Psychological and Brain Sciences, IU

Faculty-nominated award to graduate student for research promise in the field of psychology

2012 IU Graduate School, Graduate and Professional Student Organization, Travel Grant

Competitive award supporting presentation at Society for Gynecological Investigation annual meeting, San Diego, CA

2010 Most Outstanding Associate Instructor for Methods of Experimental Psychology, Department of Psychological and Brain Sciences, IU

Based on student ratings and faculty evaluation for creative approach to the course

2010 IU Office of the Vice President of International Affairs Pre-Dissertation Travel Grant

Funded extended research and training at the Karolinska Institutet, Stockholm, Sweden

2010 Behavioral Genetics Association Annual Conference, Travel Grant

Competitive award supporting travel and presentation at conference

2009 Early Life Programming and Neurodevelopmental Disorders Conference, Travel Grant

Competitive award to support all funds needed to attend and present at invite-only conference

2005 UCSD Honors with Highest Distinction in the Major of Psychology

Awarded for graduating with psychology major GPA of 4.0

2001-2005 UCSD Provost’s Honor Awards

GPA of 3.5 or higher with 12 or more graded units per quarter

2004 UCSD Psi Chi Psychology Honor Society Inductee

Membership based on maintaining a GPA of 3.0 or higher as a psychology major

2003 UCSD Opportunities Abroad Scholarship

Competitive merit-based award to support study abroad

2003 Irvine Memorial Scholarship

Academic merit and financial need to support undergraduate education

2002 William H. Stout Scholarship

Award based on academic merit to support undergraduate education

**Professional Development**

**Statistical Training**

2015 Directed Acyclic Graphs, Sara Oberg, MD, Ph.D., MPH, Indiana University, Bloomington, IN

2011 Structural Equation Modeling (R), Eric Turkheimer, Ph.D., University of Virginia, VA

2008 Survival Analysis in SAS, Statistical Horizons Training, Atlanta, GA

2006 Statistical Analysis System (SAS), UCI Statistical Consulting, Irvine, CA

**Mentorship, Teaching, and Clinical Training Workshops**

2015 Mentor Training: Maintaining Effective Communication, Aligning Expectations, Assessing Understanding, Addressing Equity and Inclusion, Fostering Independence, Multi-session workshop facilitated by Eric Beyer, M.D., Ph.D. and Nancy Schwartz, Ph.D., University of Chicago

2011 Structured Clinical Interview for DSM-IV-TR Axis I Disorders, Cara Lewis, Ph.D., Indiana University, Bloomington

2009 Smoking Cessation, Barbara Walker, Ph.D., Indiana University, Bloomington

2007 Child Inclusive Dispute Resolution, Jennifer McIntosh, Ph.D., Indiana University, Bloomington

2008 Cognitive Behavioral Therapy for Pain, Beverly Thorn, Ph.D., Indiana University, Bloomington

**National, University, and Departmental Service and Certifications**

2022-present Academic Editor, Editorial Board, *PLOS ONE*, Discipline of Medicine and Health Sciences, sections of Obstetrics and Gynecology and Women’s and Maternal Health

2021 March of Dimes Grant Review Member, Developmental Origins of Health and Disease Panel

2021-present Chair of the Diversity, Equity, and Inclusion Committee, Department of OBGYN, UIC

2021 Invited Guest Editor of special issue of the *International Journal of Environmental Research and Public Health* on the role of interpregnancy interval on future offspring

2020-present Data and Safety Monitoring Board member for medical device testing in Department of OBGYN at UIC (PI Aparna Ramanathan, PhD)

2018-2021 Data and Safety Monitoring Board member for RCT in Department of Psychiatry at UIC (PI Tory Eisenlohr-Moul, PhD)

2017 Volunteer Judge of UIC College of Medicine Research Forum Poster Competition

2017 Hyde Park Building Corporation Building Chair

2014 Crisis Prevention Intervention, Nonviolent Intervention Program, Doug Gaebler, LCSW

2014 Basic Life Service CPR Certification, American Heart Association

2012 IU Graduate and Professional Student Organization (GPSO), Travel Grant Reviewer

2011-2012 GPSO Psychology and Brain Sciences Representative

2011-2012 GPSO Health Benefits Committee Member

2011 Girl Scouts of America: Brownie Math and Science Career Day

2009-2010 Volunteers in Medicine, Community clinic for the uninsured

2006 Trauma Intervention Specialist, Orange County, CA Chapter

2003-2005 Student Health Advocate, Health and Wellness Clinic, UCSD

**Formal Ethical Training and Ethical Responsibilities**

2020 Data and Safety Monitoring Board member for global health instrument development project

2018 Data and Safety Monitoring Board member for NIMH-funded R00 project

2012 Responsible Collaboration & Authorship Workshop, Indiana University, Bloomington

2011 Responsible Conduct of Research Graded Course (A), Indiana University, Bloomington

**Selected Society Memberships (member since)**

2017 American College of Obstetrics and Gynecology

2011 Society for Research in Child Development

**Ad Hoc Reviewer (First Year as Reviewer)**

2021 Development and Psychopathology

2020 Maternal and Child Health Journal

2020 Research and Reports in Neonatology

2020 BMJ Open

2020 International Journal of Women’s Health

2019 PLOS One

2019 Journal of Affective Disorders

2019 Pediatric Research

2019 BMC Pregnancy and Childbirth

2019 International Journal of Hygiene and Environmental Health

2018 Demography

2017 Obstetrics and Gynecology

2017 Fertility and Sterility

2016 Human Reproduction Update

2016 British Journal of Obstetrics and Gynaecology (BJOG)

2016 Developmental Psychology

2016 Psychoneuroendocrinology

2016 Journal of Reproductive and Infant Psychology

2016 Journal of Child Psychology and Psychiatry

2016 Arteriosclerosis, Thrombosis, and Vascular Biology

2015 American Journal of Epidemiology

2015 The American Journal of Psychiatry

2015 Future Science Open Access

2015 The American Journal of Managed Care

2015 Alcoholism, Clinical & Experimental Research

2014 Pediatrics

2014 Schizophrenia Bulletin

2013 Neuroscience and Biobehavioral Reviews

2013 Journal of Abnormal Child Psychology

2012 Journal of Adolescent Health

2012 Psychological Medicine

2011 Frontiers in Developmental Psychology

**Media**

2015 MedIndia Network for Health (http://www.medindia.net/)

2013 National Abandoned Infants Assistance Resource Center (http://aia.berkeley.edu/)

**Educational Activities**

**Research Supervision, Mentorship, and Project Direction**

2010-2017 Global Health Faculty research projects: 3

UIC Faculty research projects: 10

UIC OBGYN Fellow research projects: 4

UIC OBGYN Medical resident research projects: 47

Serving as named Faculty Mentor: 7

Serving as a coauthor: 20

Medical student research project mentees: 12

Undergraduate honors project and thesis mentees: 3

McNair project and thesis mentees: 1

Published peer-reviewed articles by student mentees: 3

Presentation at national conferences by student or faculty mentees: 19

**Courses and Lectures**

2022 “CREOG review: Statistics and study design”, UIC, Department of OBGYN

2017-2022 “Research Design – Maximizing the possibilities of your study”, UIC, Department of OBGYN

2016-2022 “Orientation to Research – Literature Review, Ethics, and the IRB”, UIC, Department of OBGYN

2013 “Birth and the Family: Breastfeeding”, IU Bloomington

2013 “Developmental Psychopathology: The perinatal period”, IU Bloomington

2011 Invited Panel Member, “Ethical Data Management”, Indiana University Research Ethics, Education, and Policy, IU, Bloomington

2010, 2011 “Abnormal Psychology and Stress”, IU Bloomington

2010 Prenatal Development and Theory Course, IU Bloomington

2010 “Health Behavior Change: Smoking Cessation”, IU Bloomington

2009 Methods in Experimental Psychology Course, IU Bloomington

2009 **“**The Treatment of Anxiety Disorders”, IU Bloomington

2005 Statistics, Undergraduate Section Teaching Assistant – biweekly lectures and labs, UCSD

**Clinical Supervison**

2015 Supervisor, Adult Outpatient, Indiana University Neuroscience Center, Indianapolis

2015 Supervisor, Adult Inpatient, Larue Carter Memorial Hospital, Indianapolis

2014 Supervisor (medical students and residents), Pediatric Consult-Liaison, Riley Hospital for Children, Indianapolis

2013-2014 Peer Supervisor, Evidence-Based Clinical Supervision Course, IU, Bloomington

2012-2014 Peer Supervisor, Cognitive Behavioral Therapies for Anxiety and Depression Practicum, IU, Bloomington

2011-2013 Peer Supervisor, Evidence Based Psychosocial Intervention Consultation for Advanced Clinical Doctoral Students Enrolled in External Practica, IU, Bloomington

2012 Peer Supervisor, Alternative Alcohol Intervention Program Practicum, IU Office of Student Affairs

2010-2012 Peer Supervisor, Parent Behavior Training Clinic, IU, Bloomington

**Technical Skills and Experience**

Statistical Analyses:

Descriptive, basic inferential (T-test, ANOVA, Chi square), Linear regression, Logistic regression, Multinomial Logistic regression, Survival Analyses, Sibling Comparisons, Children of Twin Analyses, Univariate Twin Models of Heritability, Multivariate Twin Models, Longitudinal Mediation Analyses, Multilevel Modeling, Structural Equation Modeling, Exploratory Factor Analysis, Confirmatory Factor Analysis, Growth Mixture Models, Multiple Imputation, Directed Acyclic Graphs

Software:

Word, Excel, SAS, SPSS, Mplus, REDCap, Cerner Electronic Medical Record System

Data Management:

Programming in statistical and database software to clean, manage, merge, create sub-set databases, transform, query, and analyze multi-million case datasets. Importing and exporting data across different statistical and data management programs.

Scientific Dissemination:

Writing first-authored manuscripts accepted in top-tier peer-reviewed journals across several fields of study (i.e., obstetrics, psychiatry, psychology, methodology, nursing). Writing national conference abstracts, creating professional-quality tables and figures. Oral presentation at national conferences. Teaching to undergraduates, graduate students, medical residents, medical fellows, and faculty. Successfully writing nationally-funded grant applications as a PI trainee and contributing researcher.

Research Consultation and Mentorship:

Managing translational data conversation across and within a department both nationally and internationally by communicating complex information across different areas of expertise. Directing projects while providing research supervision and mentorship of undergraduates, graduates, medical residents, medical fellows, and faculty. Initiating and supporting long-term international collaboration. Dedicated ad-hoc reviewer in top-tier peer-reviewed journals.