

CURRICULUM VITAE  
The Johns Hopkins University School of Medicine



Lauren M. Osborne, MD

December 6<sup>th</sup>, 2019

## DEMOGRAPHIC AND PERSONAL INFORMATION

### Current Appointments *(in chronological order, earliest first by start date under each subcategory)*

2014-present    Assistant Professor of Psychiatry and Behavioral Sciences  
Assistant Professor of Gynecology and Obstetrics  
Assistant Director, Women's Mood Disorders Center  
Fellowship Director, Reproductive Psychiatry  
The Johns Hopkins University School of Medicine

### Personal Data

Women's Mood Disorders Center  
The Johns Hopkins University School of Medicine  
550 North Broadway, Suite 305C  
Baltimore, MD 21205  
Phone: (410) 955-9986  
Fax: (410) 502-3755  
[lmosborne@jhmi.edu](mailto:lmosborne@jhmi.edu)

### Education and Training *(in chronological order, earliest first by start date under each subcategory)*

#### Undergraduate

1986            B.A., History, Yale University, New Haven, CT

#### Doctoral/graduate

2009            M.D., Weill Medical College of Cornell University, New York, NY

#### Postdoctoral

2009-2010    Intern, Internal Medicine and Psychiatry, Columbia University/New York Presbyterian Hospital  
2010-2013    Resident, Psychiatry, Columbia University/New York State Psychiatric Institute  
2012-2013    Fellowship Elective, Women's Mental Health, The Women's Program, Department of Psychiatry, Columbia University/New York State Psychiatric Institute. Completed same rotations as post-residency fellows in perinatal psychiatry (consultation-liaison on obstetrics and inpatient psychiatry, outpatient evaluations, ongoing therapy and psychopharmacologic treatment of pregnant and postpartum women).  
2013-2014    NIH T-32 Postdoctoral Research Fellow in Affective and Anxiety Disorders, Department of Psychiatry, Columbia University. Postdoctoral Clinical Fellow, New York State Psychiatric Institute. Assistant Attending Physician, New York Presbyterian Hospital  
2015-2016    Faculty Development, Emerging Women's Leadership Program, Johns Hopkins Medicine, Baltimore, MD  
2016-2017    Faculty Development, Longitudinal Program in Curriculum Development for Clinician Educators, Dr. David Kern, Johns Hopkins Medicine, Baltimore, MD  
2016-2017    Statistical Methods in Public Health I, II, III, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD  
2017            Faculty Development, Economics of Clinical Operations Course, Dr. David Yousem, Johns Hopkins Medicine, Baltimore, MD

- 2017-2018 Responsible Conduct of Research, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD  
 2017-2018 Principles of Immunology I, II, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2017-2018 Faculty Development, Leadership Program for Women Faculty, Johns Hopkins Medicine, Baltimore, MD

### Professional Experience *(in chronological order, earliest first)*

- 1986-1987 *Research Assistant*, People for the American Way. Wrote press releases and fact sheets and conducted media research for civil liberties lobbying organization.
- 1987-1988 *Editorial Assistant*, Island Press. Assisted senior editor of books on the environment and natural resource management.
- 1988-1990 *Associate Editor*, Allen & Unwin. Edited academic books in history and social sciences; promoted from editorial assistant and assistant editor.
- 1990-1991 *Copy Editor*, Harvard University Press. Copy edited academic books in the humanities, sciences, and social sciences.
- 1991-1995 *Editor*, Princeton University Press. Acquired and edited academic books in history and classics.
- 1995-1996 *Senior Editor*, Doubleday. Acquired and edited nonfiction trade books in history, biography, and the social sciences.
- 1996-2002 *Senior Editor*, Farrar, Straus & Giroux. Acquired and edited nonfiction trade books in history, biography, and the social sciences.
- 2002-2005 *Freelance editor* of nonfiction books, papers, reports, and proposals, specializing in history, biography, the social sciences, and medicine.
- 2002-2005 *Research Assistant*, Department of Obstetrics and Gynecology, Columbia University Medical Center. Assisted principal investigators for clinical research trials in reproductive health. Completed IRB submissions; screened and enrolled study participants; conducted exit and follow-up interviews; analyzed and interpreted data; prepared posters and oral presentations; wrote and edited papers for publication.
- 2006 *Research Assistant*, Department of Rheumatology, Hospital for Special Surgery. Summer research project on the immune mechanisms of preeclampsia with Dr. Jane Salmon.

## PUBLICATIONS

### Original Research (Clinical and Translational) [OR]

- Westhoff C, **Osborne LM**, Schafer JE, Morroni C. Bleeding patterns after immediate initiation of an oral compared with a vaginal hormonal contraceptive. *Obstet Gynecol*. 2005 Jul;106(1):89-96. *Collected and analyzed all data, wrote manuscript and solicited input from other authors.*
- O'Connell KJ, **Osborne LM**, Westhoff C. Measured and reported weight change for women using a vaginal contraceptive ring vs. a low-dose oral contraceptive. *Contraception*. 2005 Nov;72(5):323-7. *Collected and analyzed all data, wrote manuscript and solicited input from other authors.*
- Schafer JE, **Osborne LM**, Davis AR, Westhoff C. Acceptability and satisfaction using Quick Start with the contraceptive vaginal ring versus an oral contraceptive. *Contraception*. 2006 May;73(5):488-92. *Collected and analyzed all data, wrote manuscript and solicited input from other authors.*
- Davis AR, **Osborne LM**, O'Connell KJ, Westhoff CL. Challenges of conducting a placebo-controlled trial for dysmenorrhea in adolescents. *J Adolesc Health*. 2006 Oct;39(4):607-9. *Collected and analyzed all data, wrote manuscript and solicited input from other authors.*
- Kimmel M, Clive M, Gispen E, Guintivano J, Brown T, Cox O, Beckmann MW, Kornhuber J, Fasching PA, **Osborne LM**, Binder E, Payne JL, Kaminsky Z. Oxytocin receptor DNA methylation in postpartum depression. *Psychoneuroendocrinology*. 2016 Jul;69:150-60. doi: 10.1016/j.psyneuen.2016.04.008. *Collected and analyzed some data, edited manuscript.*
- Osborne LM**, Kimmel M, Clive M, Guintivano J, Brown T, Cox O, Judy J, Brier A, Beckmann MW, Kornhuber J, Fasching PA, Goes F, Payne JL, Gispen E, Binder E, Kaminsky Z. Replication of epigenetic postpartum depression biomarkers and variation with hormone levels. *Neuropsychopharmacology*. 2016 May;41(6):1648-58.
- Walsh K, Basu A, Werner E, Lee S, Feng T, **Osborne LM**, Gilchrist M, Rainford A, Monk C. Associations among Child Abuse, Depression, and Interleukin 6 in Pregnant Adolescents: Paradoxical Findings. *Psychosomatic Medicine* 2016 May 2016 (epub ahead of print). *Collected and analyzed data, edited manuscript.*

8. Clive ML, Boks MP, Vinkers CH, **Osborne LM**, Payne JL, Ressler KJ, Smith AK, Wilcox HC, Kaminsky Z. Discovery and replication of a peripheral tissue DNA methylation biosignature to augment a suicide prediction model. *Clin Epigenetics*. 2016 Nov 3;8:113. *Edited manuscript*.
9. Kimmel MC, Platt RE, Steinberg DN, Cluxton-Keller F, **Osborne LM**, Carter T, Payne JL, Solomon BS. Integrating maternal mental health care in the pediatric medical home: Treatment engagement and child outcomes. *Clin Pediatr* 2017 Oct;56(12):1148-1156. *Analyzed data, edited manuscript*.
10. **Osborne LM**, Gispén E, Sanyal A, Yenokyan G, Meilman S, Payne JL. Lower allopregnanolone during pregnancy predicts postpartum depression: An exploratory study. *Psychoneuroendocrinology*. 2017 Feb 16;79:116-121.
11. Angrand RC, Sperling R, Roccobono K, **Osborne LM**, Jao J. Depression in perinatally HIV-infected pregnant women compared to non-perinatally HIV-infected and HIV-uninfected pregnant women, *AIDS Care* 2018, 30:9, 1168-1172. *Assisted with study design and data analysis and interpretation; edited manuscript*.
12. **Osborne LM**, Yenokyan G, Fei K, Kraus T, Moran T, Monk C, Sperling R. Innate immune activation and depressive and anxious symptoms across the peripartum: An exploratory study. *Psychoneuroendocrinology* 2018 Aug 31;99:80-86.
13. **Osborne LM**, Betz JF, Yenokyan G, Standeven LR, Payne JL. The role of allopregnanolone in pregnancy in predicting postpartum anxiety symptoms. *Front Psychol*. 2019 Jul 16;10:1033. doi: 10.3389/fpsyg.2019.01033. eCollection 2019.
14. McEvoy KM, Rayapati D, Washington Cole KO, Erdly C, Payne JL, **Osborne LM**. Poor postpartum sleep quality predicts subsequent postpartum depressive symptoms in a high-risk sample. *J Clin Sleep Med*. 2019 Aug 12. pii: jc-19-00152. [Epub ahead of print]
15. Weiss-Laxer NS, Johnson SB, Ghazarian SR, **Osborne LM**, Riley A. Maternal behavioral health symptom profiles in early family life: complexity and context. *Arch Womens Ment Health*. 2019 Jul 11. doi: 10.1007/s00737-019-00987-z. [Epub ahead of print]. *Assisted with data interpretation; edited manuscript*.
16. Payne JL, **Osborne LM**, Cox O, Kelly J, Meilman S, Jones I, Grenier W, Clark K, Ross E, McGinn R, Wadhwa PD, Entringer S, Dunlop AL, Knight AK, Smith AK, Buss C, Kaminsky ZA. DNA methylation biomarkers prospectively predict both antenatal and postpartum depression: Epigenetic biomarkers predict perinatal depression. *Psychiatry Research*, in press. *Assisted with data interpretation; edited manuscript*.

#### Original Research (Educational) [OR]

1. **Osborne LM**, McLean J, Barzilay EM, Meltzer-Brody S, Miller LJ, Yang SN. Reproductive psychiatry residency training: A survey of psychiatric residency program directors. *Academic Psychiatry*. 2017 Feb 13. doi: 10.1007/s40596-017-0672-x.
2. Yang SN, Miller LJ, **Osborne LM**. Reproductive psychiatry fellowship training: Identification and characterization of current programs. *Academic Psychiatry* 2017 Apr 6. doi: 10.1007/s40596-017-0690-8.
3. Robinson L, **Osborne LM**, Hsu A, Park H, Arbuckle M. Moonlighting by psychiatry residents: A survey of residents and training directors. *Academic Psychiatry* 2019; 43(1): 46-50.

#### Review Articles [RA]

1. **Osborne LM** and Monk CM. Perinatal depression – the fourth inflammatory morbidity of pregnancy? Theory and literature review. *Psychoneuroendocrinology* 2013 Oct;38(10): 1929-1952.
2. Werner E, Miller M, **Osborne LM**, Kuzava S, Monk C. Preventing postpartum depression: review and recommendations. *Archives of Women's Mental Health* 2015;18:41-60.
3. Weiss-Laxer NS, Platt R, **Osborne LM**, Kimmel M, Solomon BS, Mendelson T, Webb L, Riley AW. Beyond screening: A review of pediatric primary care models to address maternal depression. *Pediatr Res*. 2016 Jan;79(1-2):197-204.
4. **Osborne LM**, McEvoy K, Payne JL. Antidepressants in pregnancy: Balancing needs and risks in clinical practice. *Psychiatric Times* April 29, 2017.
5. **Osborne LM**, Payne JL. Clinical Updates in Women's Health Care Summary: Mood and anxiety disorders: Primary and preventive care review. *Obstet Gynecol* 2017; 130(3):674.
6. McEvoy K, **Osborne LM**, Nanavati J, Payne JL. Reproductive affective disorders: a review of the genetic evidence for premenstrual dysphoric disorder and postpartum depression. *Curr Psychiatry Rep* 2017; 19 (12) 94.

7. **Osborne LM.** Recognizing and managing postpartum psychosis: A clinical guide for obstetric providers. *Obstet Gynecol Clin N Am* 2018, 455-468.
8. McEvoy K, Payne JL, **Osborne LM.** Neuroactive steroids and perinatal depression: A review of recent literature. *Current Psychiatry Rep* 2018, Aug 9;20(9):78.
9. **Osborne LM**, Brar A, Klein SL. The role of Th17 cells in the pathophysiology of pregnancy and perinatal mood and anxiety disorders. *Brain Behavior Immunity* 2019; 76: 7-16.
10. McEvoy K, **Osborne LM.** Allopregnanolone and reproductive psychiatry. *International Review of Psychiatry* 2019; 31: 1-8.

#### Case Reports [CR]

1. **Osborne LM**, Birndorf CA, Szkodny LE, Wisner KL. Returning to tricyclic antidepressants for depression during childbearing: clinical and dosing challenges. *Archives of Women's Mental Health* 2014;17(3):239-246.
2. Lu ZA, Mu W, **Osborne LM**, Cordner ZA. 18 Year-old male with autism, obsessive-compulsive disorder, and a SHANK2 variant presents with severe anorexia that responds to high-dose fluoxetine. *BMJ Case Reports*, published online first: July 10, 2018. doi:10.1136/bcr-2018- 225119.

#### Book Chapters, Monographs [BC]

1. **Osborne LM**, Chisolm M. "Strategies for Those With Non-Traditional Paths to Academic Psychiatry." *Handbook of Career Development in Academic Psychiatry and Behavioral Sciences*, 2<sup>nd</sup> Edition. Laura Weiss Roberts, Donald M. Hilty, Eds. Arlington, VA: American Psychiatric Association Publishing, 2017.
2. **Osborne LM**, Payne JL. Clinical Updates in Women's Health Care: Mood and Anxiety Disorders. American Congress of Obstetrics and Gynecology, 2017.
3. **Osborne LM.** "Immunological Biomarkers of Postpartum Depression." *Biomarkers of Postpartum Psychiatric Disorders*, **Osborne LM** and Payne JL, eds. New York: Elsevier, in press.
4. **Osborne LM.** "Immunological Biomarkers of Perinatal Obsessive Compulsive Disorders." *Biomarkers of Postpartum Psychiatric Disorders*, **Osborne LM** and Payne JL, eds. New York: Elsevier, in press.
5. Leistikow N, **Osborne LM.** FDA rules for pregnancy and lactation labeling and their clinical implications. *Women's Mental Health: A Clinical and Evidence-Based Guide*. Renno J, Valadares G, Cantillino A, Mendes-Ribeiro J, Rocha R, Geraldo da Silva, A, eds. Springer International Publishing, in press.

#### Books, Textbooks [BK]

1. **Osborne LM**, Payne JL., eds. *Biomarkers of Postpartum Psychiatric Disorders*. New York: Elsevier, in press.
2. Hutner L, Catapano L, Nagle-Yang S, Williams K, **Osborne LM**, eds. *The APA Publishing Textbook of Women's Reproductive Mental Health*. Washington, DC: APA Publishing, under contract, to be published 2021.

#### Other Publications:

##### Peer-Reviewed Online Curriculum

1. **Osborne, LM**, Chair, National Task Force on Women's Reproductive Mental Health and Board of Marcé of North America. National Curriculum in Reproductive Psychiatry: Senior author and overall chair of a series of educational modules on reproductive psychiatry designed for resident education. The curriculum includes a total of 15 modules housed on a website that will go live in late October 2019. All modules have undergone extensive external peer review. The first six modules have been piloted in 9 residency programs across the country, and the American Board of Psychiatry and Neurology has provided funding for their continued development and dissemination. The remaining modules are being piloted now. I have served as editor and chair of the entire project, and have also served as an author of the following modules:

Perinatal Depression: Nagle Yang S, Hutner L, Williams K, Barzilay EM, Gopalan P, Hudepohl N, **Osborne LM.**

The Reproductive Life Cycle: Hutner L, Catapano L, Hyer J, **Osborne LM.**

Perinatal Obsessive-Compulsive Disorder: Hudephol N, Doyle M, Leisktikow N, Kucherer S, Levine M, **Osborne LM**.

Essentials of Perinatal Psychiatry in 5 Hours. Martinovic J, **Osborne LM**.

#### Editorials [ED]

1. **Osborne LM**, Payne JL. Antidepressants, pregnancy, and stigma: How we are failing mothers and babies. *The Journal of Nervous and Mental Disease* 2015; 203(3):164-166
2. **Osborne LM**, Hermann A, Burt V, Driscoll K, Fitelson E, Meltzer-Brody S, Barzilay EM, Yang SN, Miller L. Reproductive psychiatry: The gap between clinical need and education. *American Journal of Psychiatry* 2015; 172(10): 946-948.
3. **Osborne LM**. A step toward understanding the biological correlates of perinatal mental illness. *J Women's Health* 2016; 25(10):983-984.
4. Standeven LR, **Osborne LM**, Payne JL. The trouble with don't ask, don't tell. *Women's Reproductive Health* 2018, 5:1, 25-31.

#### Other Media [OM]

1. **Osborne LM**. Pregnant women can feel pressured to go off antidepressants. But that carries risks, too. The impacts of the mother's mental health on her pregnancy aren't talked about enough. Vox, May 2, 2018. <https://www.vox.com/first-person/2018/5/2/17293164/pregnant-women-antidepressants>
2. **Osborne LM**. A psychiatrist's defense of Tully, a controversial new movie about postpartum struggles. Tully starts an important conversation about motherhood and mental health. Vox, May 7, 2018. <https://www.vox.com/first-person/2018/5/7/17325600/tully-movie-charlize-theron-spoiler>

## FUNDING

### EXTRAMURAL Funding

#### Research Extramural Funding

##### Current:

9/01/15-6/30/20	Efficacy of a Prenatal Yoga Intervention for Antenatal Depression R01-HD081868-01A1 NIH-NICHD Total direct cost: \$404,840 PI: Battle, C Role: Consultant, no percent effort (fee-based)
04/01/17-01/31/22	Prospective Study of Epigenetic Markers of Postpartum Depression R01 MH112704-01 NIH-NIMH Total direct cost: \$372,689 PI: Kaminsky Z, Payne JL Role: Co-investigator, no salary support
07/01/17-6/30/22	K23 Career Development Award 1K23 MH110607-01A1 NIH-NIMH Total direct cost: \$1,101,888.18 Role: PI, 75% effort
07/01/18-6/30/20	Doris Duke Early Clinician Investigator Award Doris Duke Foundation Total direct costs: \$80,000 Role: PI, no percent effort allocated

07/01/19-06/30/24 Predictors and Course of Postpartum Obsessions and Compulsions  
 1R01MH118249-01A1  
 NIH-NIMH  
 Total direct cost: \$2,344,456  
 PI: Nestadt, G and Abramowitz, J.  
 Role: Co-investigator, 10% effort for first three years then 25% effort

07/01/19-06/03/22 An anxiety-focused early prenatal intervention for the prevention of common mental disorders  
 in Pakistan  
 R01 619351/137380  
 NIH-NIMH  
 Total direct cost: \$1,626,096  
 PI: Surkan, P  
 Role: Co-investigator, 10% effort

**Previous:**

01/15/16-1/14/19 Young Investigator Award  
 2016 YI 23788  
 Brain and Behavior Research Foundation  
 Total direct cost: \$75,000  
 Role: PI, no percent effort allotted

01/29/14-01/01/2017 Pilot Study, Pregnancy and Anxious Thoughts: The Role of Hormones and the Immune  
 System  
 The Nathaniel Wharton Fund  
 \$10,000  
 PI: Osborne, LM  
 Role: PI, no percent effort allotted

07/01/13-6/30/14 Research Training in Mood and Anxiety Disorders: From Animal Models to Patients  
 T32 MH015144  
 NIH-NIMH  
 Total direct cost: \$49,020  
 PI: Roose, S  
 Role: Fellow, 100%

**Educational Extramural Funding:**

**Current:**

01/01/19-12/31/20: ABPN Faculty Innovation in Education Award  
 American Board of Psychiatry and Neurology  
 Total direct cost: \$100,000  
 Role: PI, 25% effort (15% salary support)

**Pending:** None.

**Previous:** None

**Clinical Extramural Funding:**

**Current:**

08/01/17-07/31/20 The Johns Hopkins WICY Partnership for Excellence in HIV Care Across Central Maryland  
H12HA28847  
HRSA  
Total direct cost: \$2,686.029  
PI: Hutton, N  
Role: Co-investigator, 0% effort

**Pending:** None

**Previous:** None

**System Innovation or Quality Improvement Extramural Funding:** None

**Other Extramural Funding:** None

### **INTRAMURAL Funding**

**Research Intramural Funding:** None

**Educational Intramural Funding:** None

**Clinical Intramural Funding:** None

**System Innovation or Quality Improvement Intramural Funding:** None

**Other Intramural Funding:** None

### **CLINICAL ACTIVITIES**

**Clinical Focus:** In my outpatient practice, I am a reproductive psychiatrist, working exclusively with women with mood and anxiety disorders related to reproductive transitions. I evaluate and treat women with premenstrual dysphoric disorder and perimenopausal mood and anxiety disturbances. The bulk of my clinical work is devoted to perinatal women. I offer pre-pregnancy consultations (for women with pre-existing psychiatric illness planning a pregnancy) and I evaluate and treat pregnant and postpartum women for any psychiatric symptoms arising or persisting in the perinatal period. In my inpatient service, I have attended on eating and mood disorders units and also until recently managed a dedicated consult service in obstetrics. As Assistant Director of the Women's Mood Disorders Center (WMDC), my outpatient clinical home, I also have direct supervision of six-seven residents in a weekly teaching clinic as well as of all the clinical activities of a postdoctoral fellow, two social workers, and a nurse practitioner, both at the WMDC and in three integrated care clinics in obstetrics and pediatrics.

### **Certification**

#### **Medical, other state/government licensure**

2011-present New York #258572

2014-present Maryland #D77908

#### **Boards, other specialty certification**

2013 American Board of Psychiatry and Neurology #66965

#### **Clinical (Service) Responsibilities**

2013-2014 Women's Program assistant attending, 1/2 day/week (maximum), consults to inpatient and outpatient psychiatry services for pregnant and postpartum women

2013-2014 Adult Psychiatry Clinic Evaluation Team, New York Presbyterian Hospital, fellow, 1/2 day/week, supervising residents from Creedmoor State Psychiatric Hospital

2014-present Women's Mood Disorders Center attending physician; weekly consults for patients with mood disorders related to the reproductive life cycle; ongoing care for patients with reproductive psychiatry complaints; weekly supervision of residents in Mood Disorders Clinic; daily supervision of postdoctoral fellow, 2 social workers, and a nurse practitioner in the Women's Mood Disorders Center as well as in the Perinatal Mental Health Clinics in JHOC 6 Obstetrics Resident Clinic, Nelson 2 Maternal Fetal Medicine Clinic, and Harriet Lane Pediatric Primary Care Clinic.

2014-2019 Inpatient attending physician, Eating Disorders Service, 2 months annually.

2017-2019 Consult-Liaison attending physician, Psychiatry-Obstetrics Consult Service, year-round.

### Clinical Productivity

In two half-day per week clinics, with the assistance of residents and fellows, I evaluate approximately 215 new patients annually. Between our resident mood disorders clinic (where I am one of two attendings) and my individual practice I conduct approximately 1350 follow-up visits annually, representing approximately 200 individual patients. I supervise a postdoctoral fellow and social worker in three integrated care clinics in obstetrics and pediatrics. The fellow conducts approximately 100 new patient visits and 600 follow-up visits annually; the social worker is a new position and we do not yet have numbers about her productivity. Finally, we have recently added a nurse practitioner to our practice, and I supervise her. She conducts approximately 20 new patient evaluations and 200 follow-up visits monthly.

### Clinical Draw from outside local/regional area

Approximately 25% of my new patient evaluations are for patients outside the local area.

### Membership in or examiner for specialty board

None.

### Clinical Program Building / Leadership

2014-present Assistant Director of Women's Mood Disorders Center: leading the charge to expand our clinical services. In my five years on staff, we have tripled our clinical volume, started two new integrated care clinics in obstetrics, founded a dedicated inpatient obstetrics consult service, and expanded our clinical staff with the addition of two social workers, a nurse practitioner, and a fellow.

### Clinical Demonstration Activities to external audience, on or off campus

None.

### Development of nationally/internationally recognized clinical standard of care:

None.

## EDUCATIONAL ACTIVITIES

**Educational Focus:** While I participate in the standard educational activities of a School of Medicine faculty member (both classroom and clinical teaching), the bulk of my educational work – which is a major focus for me – centers on educating non-specialists in the field of reproductive psychiatry. There is a wide gap between the clinical need of pregnant and postpartum women for psychiatric care and the lack of knowledge of the field among general psychiatrists, primary care physicians, and obstetrician/gynecologists. My educational efforts combine CME activities for existing professionals with efforts to transform education for physicians in training. In 2013, I founded the National Task Force on Women's Reproductive Mental Health, a group of specialists from academic medical centers across the country and in Canada who are working to create a standardized curriculum for reproductive psychiatry. We began with conference workshops and commentaries, then moved on to survey residency and fellowship training directors about the current state of education in the field (resulting in peer-reviewed publications). The data we collected informed the creation of a national, standardized curriculum, currently in progress, that will offer free educational resources online for use by residency programs that do not have a local expert; these resources combine online, self-study modules with downloadable guides for use in a classroom by trainees led by a non-expert facilitator. This work earned me a spot as the keynote speaker of the Perinatal Mental Health Conference in November 2017; an invitation to join the board of Marcé of North America; was recently honored with awards for Educational Innovation from the Institute for Excellence in Education at Johns Hopkins and a Scholarship in Teaching Award from Case Western; and has now been funded with an Educational Innovator award from the American Board of Psychiatry and Neurology.

**Teaching** (Include date, role, learner level, course title, venue; please separate JHMI/Regional from National and International activities)

### Classroom instruction

JHMI/Regional

2014-present Postpartum psychiatric disorders lectures to 2<sup>nd</sup> year medical students rotating on gynecology and obstetrics (every six weeks, shared with another physician), Johns Hopkins University School of Medicine



- 2014-present Guest lecturer, “Intersection of Physical and Mental Health,” Johns Hopkins University School of Public Health
- 2015-present Annual lecture series on reproductive mental health for residents in gynecology and obstetrics, Johns Hopkins University School of Medicine
- 2016-present Lecture series on Interpersonal Therapy for PGY2 residents, Johns Hopkins Department of Psychiatry
- 2016-present Organizer for weekly didactic series for Reproductive Psychiatry Fellowship and resident clinic. I have planned this curriculum and invited guest speakers. We are currently piloting my national curriculum materials in this didactic series.
- 2018-present Guest Lecturer, “Women’s Health,” Johns Hopkins University School of Public Health

National

- 2012-2013 Psych-Med, small-group facilitator for 20 first-year medical students, 4 hours weekly for 6 months, Columbia University College of Physicians and Surgeons, New York, NY
- 2013-2014 Psychiatry resident lecture series, lecturer, “Postpartum Obsessive-Compulsive Disorder,” Columbia Women’s Program, Department of Psychiatry, Columbia University Medical Center, New York, NY
- 2013-2014 Psychiatry resident lecture series, co-lecturer, “Depression in Pregnancy,” “Postpartum Depression,” “Bipolar Disorder in Pregnancy and the Postpartum,” Mt. Sinai School of Medicine, New York, NY
- 2013-2014 Psychiatry resident lecture series, co-lecturer, untitled weekly lecture series in women’s mental health for 2 months, Harlem Hospital, New York, NY
- 2013-2014 Psychiatry in-service lecture series, lecturer, “Psychiatry Illness in Pregnancy and the Postpartum,” delivered bi-monthly to nurses, medical students, and residents on 4-South inpatient unit, New York State Psychiatric Institute, New York, NY

International

- 2019 Outside examiner for Ph.D. thesis of Hanna Henriksson, Uppsala University, Sweden, June 11, 2019.

Clinical instruction

JHMI/Regional

- 2014-present Resident Mood Disorders Clinic: supervise PGY3 residents and medical students rotating through a ½ day a week medication management clinic in mood disorders
- 2014-present Resident Electives: Supervise PGY4 residents rotating through an elective in Women’s Mental Health (approximately 3 residents per year, seeing in-depth outpatient consults)
- 2014-2019 Attending, Eating Disorders Unit; supervised resident and medical student on inpatient eating disorders unit 2 months per year
- 2016-present Fellowship Director; provide direct clinical supervision for a PGY5-6 Fellow in Reproductive Psychiatry, covering three collaborative care clinics, a consult-liaison service, and outpatient consults for the Women’s Mood Disorders Center

National

- 2013-2014 Fellow, Adult Psychiatry Clinic, Evaluation Team, New York Presbyterian Hospital, ½ day/week; supervised residents from Creedmoor State Psychiatric Hospital doing new outpatient evaluations

CME instruction

JHMI/Regional

- 04/18/15 Lecturer for practicing psychiatrists, Mood Disorders Across the Female Life Cycle (invited CME, Maryland Psychiatric Association)
- 05/05/16 Lecturer for primary care physicians, Mood Changes in Perimenopause (invited CME, Tumulty Topics, Johns Hopkins)
- 06/06/16 Lecturer for physicians, social workers, and nurses, Psychotropic Medications in Pregnancy and the Postpartum (invited CME, Carroll County Hospital)
- 06/09/17 Lecturer for psychiatric nurses, Management of Mood Disorders in Pregnancy and Postpartum (invited CME, APNA Conference Workshop, Baltimore, MD)
- 11/11/17 Lecturer for practicing psychiatrists, Management of Mood Disorders in Pregnancy and Postpartum (invited CME, Maryland Psychiatric Association)
- 3/13/19 Lecturer for practicing psychiatrists, Management of Mood Disorders in Pregnancy and Postpartum (invited CME, Suburban Hospital Pediatric Group)

05/06/19 Lecturer for primary care physicians, Women and Anxiety (invited CME, Tumulty Topics, Johns Hopkins)

National

10/08/16 Lecturer for practicing psychiatrists, Management of Mood Disorders in Pregnancy and Postpartum (invited CME, IPS Conference Workshop, Washington, DC)

11/17/18 Lecturer for psychiatric nurses, Management of Mood Disorders in Pregnancy and Postpartum (invited CME, APNA Conference West, San Diego, CA)

International

None

**Workshops /seminars**

JHMI/Regional

5/13/19 Chair, Johns Hopkins Center for Research in Women's Health, Sex, and Gender Differences, 12<sup>th</sup> Annual Symposium "Lost Mothers: Setting a Research Agenda to Eliminate Maternal Mortality."

National

11/06/13 Chair, Workshop on Curriculum Development in Reproductive Psychiatry, Perinatal Mental Health Society Conference, Chicago, IL

11/04/15 Chair, Workshop on Curriculum Development in Reproductive Psychiatry, Perinatal Mental Health Society Conference, Chicago, IL

03/05/16 Co-Chair, Workshop on Curriculum Development in Reproductive Psychiatry, American Association of Directors of Psychiatry Residency Training (AADPRT), Austin, TX

03/10/17 Co-Chair, Workshop on Curriculum Development in Reproductive Psychiatry, American Association of Directors of Psychiatry Residency Training (AADPRT), San Francisco, CA

11/08/17 Chair, Workshop on Curriculum Development in Reproductive Psychiatry, Perinatal Mental Health Society Conference, Chicago, IL

03/06/18 Co-Chair, Workshop on Curriculum Development in Reproductive Psychiatry, American Association of Directors of Psychiatry Residency Training (AADPRT), New Orleans, LA

03/02/19 Co-Chair, Workshop on Curriculum Development in Reproductive Psychiatry, American Association of Directors of Psychiatry Residency Training (AADPRT), San Diego, CA

International

None

**Mentoring**

**Pre-doctoral Advisees /Mentees**

2014-2016 Fiona Gispén, MS3-MS4, research volunteer; received MD 2016, currently PGY3 Resident, Massachusetts General Hospital; original research publications #5, 6, 10

2016-2018 Divya Rayapatti, MS2-3, Scholarly Concentration; shared publication currently under review

2016-2018 Katie Washington, MS3, research volunteer; shared publication currently under review

2017-present Nomi Weiss-Laxer, PhD Candidate, Johns Hopkins Bloomberg School of Public Health; review publication #3

2019-present Hanna Henriksson, PhD Candidate, Uppsala University; serving as outside examiner of Ph.D. thesis

**Post-doctoral Advisees /Mentees**

2015-2016 Margo Nathan, PGY4, Resident Elective in Reproductive Psychiatry; currently Instructor in Psychiatry, Brigham & Women's Hospital; co-author on National Curriculum

2016-2018 Katherine McEvoy, Postdoctoral Fellow, Reproductive Psychiatry; currently adjunct fellow at Johns Hopkins; review publications #4, 6, 8, 10; original research publication #14; co-author on National Curriculum

2016-present Nicole Leistikow, PGY4, Resident Elective in Reproductive Psychiatry; currently Instructor in Psychiatry, University of Maryland; book chapter #5; co-author on National Curriculum

- 2016-2018 Cindy Huang, PGY4, Resident Elective in Reproductive Psychiatry; currently Attending Psychiatrist, MedStar
- 2016-2017 Nadimire Jules-Dole, PGY4, Resident Elective in Reproductive Psychiatry; currently PGY6 Child and Adolescent Fellow at Johns Hopkins Hospital
- 2017-2018 Stephanie Solazzo, PGY4, Research Elective in Reproductive Psychiatry; currently Instructor in Psychiatry, University of Maryland
- 2017-present Lindsay Standeven, PGY4, Resident Elective in Reproductive Psychiatry; currently postdoctoral fellow in Reproductive Psychiatry, Johns Hopkins Women's Mood Disorders Center; editorial publication #4, original research publication #13; co-author on National Curriculum
- 2018-present Amitoj Brar, MBBS, Research Observership; review publication #9
- 2016-present Courtney Erdly, BA, research assistant; original research publication #14

#### Thesis committees

- 2017-present Nomi Weiss-Laxer, PhD Candidate, Johns Hopkins Bloomberg School of Public Health, "Maternal behavioral health symptom profiles in early family life: complexity, support, services use and future risk for depression," committee member; review publication #3; another publication under review
- 2019 Hanna Henriksson, PhD Candidate, Uppsala University, Sweden, "Seasonal aspects of perinatal depression," outside examiner

#### Educational Program Building / Leadership

- 09/06-06/09 Medicine, Patients and Society Curriculum Committee, Weill Cornell Medical College; served as student representative in curriculum re-design of first- and second-year medical school course on the art of doctoring
- 09/09-01/13 Careers in Psychiatry Steering Committee, Columbia University Department of Psychiatry; member of committee and organizer of bimonthly dinners to expose residents to various career paths in academic psychiatry
- 09/11-06/12 CPEP Committee, Backup Representative, Columbia University Department of Psychiatry; served as resident representative on committee governing education of residents in emergency department
- 09/12-03/13 Residency Applicant Review Committee, Columbia University Department of Psychiatry; reviewed applicants to residency program, assisted with interview and evaluation process
- 11/13-present Chair, National Task Force on Women's Reproductive Psychiatry. Founded this national group and have spear-headed effort to create national curricula for education about reproductive psychiatry at the general resident and post-graduate level. We have presented four conference workshops and are actively involved in creating a national, peer-reviewed standardized curriculum for our field.
- 09/14-present Advanced Specialty Training Program in Reproductive Psychiatry, Women's Mood Disorders Center: Founded this fellowship, designed the curriculum, and serve as fellowship director.

#### Educational Demonstration Activities to external audiences

- 11/13-present Chair, National Task Force on Women's Reproductive Psychiatry. Founded this national group and have spear-headed effort to create national curricula for education about reproductive psychiatry at the general resident and post-graduate level. We have presented eight conference workshops and are actively involved in creating a national, peer-reviewed standardized curriculum for our field. A pilot module has been tested in six residency programs and was presented at a national meeting in November 2017. The website with the entire curriculum will go live in October 2019.

### RESEARCH ACTIVITIES

**Research Focus** I perform clinical research on the biological mechanisms of and treatments for mood and anxiety disorders in the perinatal period. Studies I have worked on involve epigenetic markers of prenatal stress; epigenetic markers of risk for postpartum depression; immune mechanisms of perinatal depression and anxiety; and the connection between reproductive hormonal physiology and perinatal mood and anxiety symptoms.

#### Research Program Building / Leadership

2014-present Assistant Director of the Women's Mood Disorders Center, responsible for day-to-day research operations and for supervising two research assistants, research coordinator, research program manager, residents, and medical students. The Center has tripled the number of research studies and doubled our recruitment numbers since my arrival.

Founder and Fellowship Director, Reproductive Psychiatry; supervise a postdoctoral fellow who is devoted to research 50%.

### Research Demonstration Activities

None.

### Inventions, Patents, Copyrights

None.

### Technology Transfer Activities

None.

## SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES

**System Innovation Focus** I work on improving collaborative care models for mental health care of pregnant and postpartum women, including the creation two new integrated care clinics.

### System Innovation and Quality Improvement efforts within JHMI:

2016-present: I founded two new integrated care clinics with the Department of Gynecology and Obstetrics. These clinics offer psychiatric care to pregnant and postpartum women in the same location where they receive obstetric care. I supervise the reproductive psychiatry fellow who delivers care in these clinics. I also supervise the same fellow and a part-time psychotherapist providing care in an ongoing maternal mental health care clinic located in the Harriet Lane Pediatric Clinic. I also launched an integrated consult service for Labor & Delivery and inpatient obstetrics on October 1, 2017, and ran this service until its closure on January 1, 2019 (service closed due to need for my inpatient effort in other parts of the department).

### System Innovation and Quality Improvement efforts outside of JHMI:

2011-2012 New York Presbyterian Hospital CPEP, re-designed signout template for residents and attendings to improve communication at hand-off

### System Innovation and Quality Improvement Program Building/Leadership:

None.

## ORGANIZATIONAL ACTIVITIES

### Institutional Administrative Appointments

2006-2009	Student representative, Medicine, Patients, and Society Curriculum Committee, Weill Cornell Medical College
2009-2013	Member, Careers in Psychiatry Steering Committee, Columbia University Department of Psychiatry
2011-2012	Backup representative, CPEP Committee, Columbia University Department of Psychiatry
2012-2014	Member, Residency Applicant Review Committee, Columbia University Department of Psychiatry
2014-present	Assistant Director, Women's Mood Disorders Center, Johns Hopkins University School of Medicine
2014-present	Fellowship Director, Advanced Specialty Training Program in Reproductive Psychiatry, Johns Hopkins University School of Medicine

### Editorial Activities

#### Editorial Board appointments

2014-2016	Editorial Board, Psychiatry Residents In-Training Examination (PRITE), American College of Psychiatrists: national exam given to all residents in psychiatry yearly; help to create and edit exam
2016-present	Associate Editor, PRITE, American College of Psychiatrists
2018-present	Editorial Board Member, <i>International Review of Psychiatry</i>

### Journal peer review activities

2013-present *Psychoneuroendocrinology, Journal of Affective Disorders, Journal of Women's Health, Archives of Women's Mental Health, Journal of Clinical Psychiatry, Academic Psychiatry, Psychological Medicine, Lancet, Translational Psychiatry, Journal of Neuroscience Research, Physiology & Behavior*

#### Other peer review activities

None

#### Advisory Committees, Review Groups/Study Sections

2013 Member, Fellowship Selection Committee, American Women Psychiatrists  
2017-present Member, PRITE Fellowship Selection Committee, American College of Psychiatrists

#### Professional Societies

2011-present Member, American Psychiatric Association  
2011-present Member, American Women Psychiatrists  
2013-present Member, Postpartum Support International  
2014-present Member, Society of Biological Psychiatry  
2014-present Member, Psychoneuroimmunology Research Society  
2014-present Member, International Marcé Society  
2015-present Member, North American Society for Psychosocial Obstetrics and Gynecology  
2015-present Member, American Association of Directors of Psychiatry Residency Training (AADPRT)  
2016-present Board, Perinatal Mental Health Society/Marcé of North America  
2018-present Member, American Society of Reproductive Immunology  
2019-present Member, American College of Psychiatrists

#### Conference Organizer

2019 Chair, 12<sup>th</sup> Annual Symposium, Johns Hopkins Center for Research in Women's Health, Sex, and Gender Differences. "Lost Mothers: Setting a Research Agenda to Eliminate Maternal Mortality." May 13<sup>th</sup>, 2019.

#### Session Chair

JHMI/Regional

None

National

11/06/13 Co-Chair: If we build it, they will come: constructing a perinatal psychiatry curriculum. Full-day workshop at Perinatal Mental Health: Optimizing Maternal Treatment to Improve Infant Outcomes, Chicago, IL.  
11/04/15 Co-Chair: Reproductive Psychiatry Education: Toward a National Curriculum, Perinatal Mental Health Society Meeting, Chicago, IL  
03/05/16 Co-Chair: Reproductive Psychiatry Education: Toward a National Curriculum, AADPRT Meeting, Austin, TX.  
03/10/17 Co-Chair: Incorporating Reproductive Psychiatry into Residency Education, AADPRT Meeting, San Francisco, CA.  
11/08/17 Co-Chair: Creating the National Curriculum in Reproductive Psychiatry, Biennial Perinatal Mental Health Meeting, Chicago, IL.  
11/09/17 Chair: Perinatal Collaborative Care Models: Learning from the Present, Planning for the Future. Biennial Perinatal Mental Health Meeting, Chicago, IL.  
03/02/18 Co-Chair: Creating the National Curriculum in Reproductive Psychiatry, AADPRT Meeting, New Orleans, LA  
11/16/18 Co-Chair: Implementing the National Curriculum in Reproductive Psychiatry, ACLP Meeting, Orlando, FL  
03/02/19 Co-Chair: Implementing the National Curriculum in Reproductive Psychiatry, AADPRT Meeting, San Diego, CA

International

- 09/26/16 Training and Pathways to Care: International Perspectives, International Marcé Society, Melbourne, Australia
- 09/27/18 Immune Mechanisms of Perinatal Distress, International Marcé Society, Bangalore, India
- 09/28/18 Implementing the National Curriculum in Reproductive Psychiatry, International Marcé Society, Bangalore, India
- 03/07/19 Mothers and Babies at Risk: Understanding the Latest Scientific Advances for Identifying, Preventing, and Treating Perinatal Depression , International Association for Women’s Mental Health, Paris, France

**Consultantships**

None.

**RECOGNITION**

**Awards, Honors**

- 1985 Mary Sizer Ecklund Award (merit scholarship at Yale)
- 1993 Fellowship Award, Jerusalem International Book Fair
- 2009 Fellowship Award, American Hospital of Paris
- 2011 PRITE Fellowship, American College of Psychiatrists
- 2011 Fellowship Award, American Women Psychiatrists
- 2013 Awardee, 18<sup>th</sup> Annual Research Colloquium for Junior Investigators, American Psychiatry Association
- 2013 Travel Fellowship, Perinatal Mental Health Meeting
- 2016 Best Abstract Award, Women’s Health Research Group Symposium, Johns Hopkins
- 2018 Educational Innovator Award, Johns Hopkins Institute for Excellence in Education *received for creation of the National Curriculum in Reproductive Psychiatry, online standardized curriculum*
- 2018 ABPN Faculty Innovation in Education Award *received for creation of the National Curriculum in Reproductive Psychiatry, online standardized curriculum*
- 2019 Scholarship in Teaching Award: Recognizing Faculty Educators, Case Western Reserve University *received from Case Western Reserve University for “making a positive impact on medical education,” for creation of the National Curriculum in Reproductive Psychiatry, online standardized curriculum*
- 2019 Katherine L. Wisner Early Career Award, Marcé of North America *For innovative and highly productive perinatal health investigation and patient care*

**Invited Talks**

**JHMI/Regional**

- 05/07/16 Invited lecture, “Perinatal Mental Health: An Overview,” Preventing Substance-Exposed Pregnancies Group, Baltimore City Health Department
- 07/27/16 Invited lecture, “Why Perinatal Mental Health?” Behavioral Health System Baltimore
- 09/14/16 Invited lecture, “Recognizing Postpartum Psychosis,” Perinatal Mental Health Study Group, Baltimore, Maryland
- 11/21/16 Grand Rounds, Johns Hopkins Psychiatry, “The Immune Mechanisms of Perinatal Psychiatric Illness: Toward a Clinical Algorithm”
- 10/05/17 Grand Rounds, Johns Hopkins Gynecology and Obstetrics, “The Management of Mood Disorders in Pregnancy and Postpartum”
- 10/20/17 Grand Rounds, Johns Hopkins Psychiatry, “The National Curriculum in Reproductive Psychiatry: What It Is and Why We Need It.”
- 03/28/18 Invited lecture, Population, Family, and Reproductive Health, Johns Hopkins School of Public Health, “Biological Mechanisms of Perinatal Mood and Anxiety Disorders.”
- 03/11/19 Invited lecture, Population, Family, and Reproductive Health, Johns Hopkins School of Public Health, “Women’s Mental Health”
- 03/13/19 Invited lecture, Suburban Hospital Pediatric Group, Bethesda, MD, “The Management of Mood Disorders in Pregnancy and Postpartum”

**National**

- 02/13/13 Invited lecture, “Perinatal depression – the fourth inflammatory morbidity of pregnancy?” Columbia Women’s Program, Columbia University Medical Center, New York, NY
- 04/03/14 Invited lecture, “Inflammation and immunity in perinatal depression and anxiety,” Cornell Women’s Clinic, Weill Cornell Medical College, New York, NY
- 01/11/18 Grand Rounds, Georgetown Psychiatry, “Biological Mechanisms of Perinatal Mood and Anxiety Disorders.”
- 02/14/18 Invited lecture, Women’s Rounds, Columbia University/New York State Psychiatric Institute. “Understanding Statistical Concepts in the Perinatal Literature.”
- 02/15/18 Invited lecture, Cornell Women’s Clinic Rounds, Biological Mechanisms of Perinatal Mood and Anxiety Disorders.”
- 01/03/19 Grand Rounds, Wayne State University Psychiatry, “The Management of Mood Disorders in Pregnancy and Postpartum”

#### International

- 06/12/19 Invited lecture, “Neurosteroids and Perinatal Depression,” Course in Comparative Reproductive Endocrinology, Centre for Reproductive Biology, Uppsala University, Sweden

## OTHER PROFESSIONAL ACCOMPLISHMENTS

### Posters

1. Birndorf C, **Osborne LM**, Skodzny L, Wisner K. Case report on nortriptyline levels in a postpartum woman. *Fourth World Congress of Women’s Mental Health*, March 2011, Madrid, Spain
2. **Osborne LM**, Monk C. Inflammation and obsessionality in pregnancy. *American Psychiatric Association*, May 2013, San Francisco, CA.
3. Robinson L, **Osborne LM**, Hsu A, Arbuckle M. Moonlighting in residency. *American Psychiatric Association*, May 2013, San Francisco, CA.
4. **Osborne LM**, Monk C. Inflammation and obsessional anxiety in pregnancy. *Perinatal Mental Health Meeting: Optimizing Maternal Treatment to Improve Infant Outcomes*. November 6-8, 2013, Chicago, IL.
5. Basu A, **Osborne LM**, Werner E, Walsh K, Fent T, Lopez-Pintado S, Gilchrist M, Monk C. Trauma and avoidant attachment style are associated with lower immune activity in pregnant adolescents. *Perinatal Mental Health Meeting: Optimizing Maternal Treatment to Improve Infant Outcomes*. November 6-8, 2013, Chicago, IL.
6. Basu A, Werner EA, Walsh K, Feng T, Lopez Pintado S, **Osborne LM**, Gilchrist M, Monk C. A paradox of adolescent pregnancy: childhood maltreatment and avoidant attachment style are associated with lower inflammatory activity. *Society for Research on Adolescents Biennial Meeting*, March 20-22, 2014, Austin, TX.
7. **Osborne LM**, Fei K, Kraus T, Moran T, Monk C, Sperling R. Inflammatory markers and depression in pregnancy: results of the Viral Immunity in Pregnancy Study. *Psychoneuroimmunology Research Society Annual Meeting*, May 28-31, 2014, Philadelphia, PA.
8. **Osborne LM**, Fei K, Kraus T, Moran T, Monk C, Sperling R. Anxiety in pregnancy: the role of the immune system. *International Marcé Society Biennial Conference*, Swansea, Wales, UK, September 10-12, 2014.
9. **Osborne LM**, Gispén F, Meilman S, Payne JL. Lower levels of allopregnanolone and progesterone in pregnancy predict postpartum depression and anxiety. *Society of Biological Psychiatry*, May 2015, Toronto, Canada.
10. **Osborne LM**, Gispén F, Meilman S, Gocke AR, Tosi DM. Increased inflammatory markers in late pregnancy depression: The role of progesterone and allopregnanolone. *Psychoneuroimmunology Research Society*, June 2015, Seattle, WA.
11. O’Rourke M, **Osborne LM**, Payne JL, McEvoy K. Exploring attitudes and practices of obstetric providers on mental health in pregnancy. National Perinatal Association, March 9-11, 2017, Atlanta, GA.
12. **Osborne LM**, Yenokyan G, Fei K, Kraus T, Moran T, Monk C, Sperling R. The “cytokine fingerprint” of perinatal depression and anxiety. Society of Biological Psychiatry, May 18, 2017, San Diego, CA.
13. Rayapati D, McEvoy KM, Washington Cole KO, Payne JL, **Osborne LM**. Early postpartum sleep quality as a risk factor for postpartum depression. Society of Biological Psychiatry, May 19, 2017, San Diego, CA.
14. Birndorf C, Meilman S, Payne JL, Carlisle M, Howard M, Battle C, **Osborne LM**. Evaluating the effectiveness of partial hospital treatment for perinatal mood and anxiety disorders. Biennial Perinatal Mental Health Meeting, Chicago, IL, November 8, 2017.
15. **Osborne LM**, McEvoy K, Payne JL. Medications for antenatal depression: evidence of underdosing. Biennial Perinatal Mental Health Meeting, Chicago, IL, November 8, 2017

16. Standeven LR, Payne JL, Pangtey M, Sundel B, **Osborne LM**. Medications for perinatal depression: evidence for undertreatment. Johns Hopkins Center for Research in Women's Health, Sex, and Gender Differences Symposium, Baltimore, MD, May 13, 2019.
17. **Osborne LM**, Standeven LR, Betz JF, Yenokyan G, Payne JL. Immune dysregulation in perinatal mood and anxiety disorders. Psychoneuroimmunology Research Society, Berlin, Germany, June 6, 2019.

#### Oral/Podium Presentations

1. **Osborne, LM**, Westhoff CL. Bleeding patterns after immediate initiation of an oral compared with a vaginal hormonal contraceptive. American Society of Reproductive Medicine Annual Meeting, October 2004, Philadelphia, PA.
2. Kelly M, Anzia J, **Osborne LM** et al. Patient suicide in residency training. Symposium at American Psychiatric Association, May 2012, Philadelphia, PA.
3. **Osborne LM**, Anxiety Disorders in Pregnancy. Oral presentation at the American Psychiatric Association, May 2012, Toronto, Canada.
4. Robinson L, **Osborne LM**, Hsu A, Arbuckle M. Moonlighting in residency. Workshop at American Association of Directors of Psychiatric Residency Training, March 2013, Ft. Lauderdale, FL.
5. Quang-Dang UK, Anzia J, **Osborne LM** et al. Patient suicide in residency training. Symposium at American Psychiatric Association, May 2013, San Francisco, CA.
6. **Osborne LM**, Hermann A, Driscoll K, co-chairs. If we build it, they will come: constructing a perinatal psychiatry curriculum. Full-day workshop at Perinatal Mental Health: Optimizing Maternal Treatment to Improve Infant Outcomes, November 6, 2013, Chicago, IL.
7. DeSilva R, **Osborne LM**, et al. The graduation speech transformed: a residency class video as experiential reflection and measure of professional development. Oral presentation accepted as a media session, Association for Academic Psychiatry, September 17-20, 2014, Seattle, WA.
8. **Osborne LM**, Nagle-Yang S, Hermmann A., et al. Reproductive Psychiatry Education: Toward a National Curriculum, Perinatal Mental Health Meeting, November 4, 2015, Chicago, IL.
9. **Osborne LM**, Nagle-Yang S, Hermmann A., et al. Reproductive Psychiatry Education: Toward a National Curriculum, AADPRT Meeting, March 5, 2016, Austin, TX.
10. **Osborne LM**, Payne JL, et al. Inflammatory Markers and Reproductive Hormones in Perinatal Depression: An Exploratory Study. Society of Biological Psychiatry, May 13, 2016, Atlanta, GA.
11. **Osborne LM**, Platt R, Solomon B et al. Integrating Maternal Mental Health Care in the Pediatric Medical Home Treatment Engagement and Child Outcomes. International Marcé Society, September 26, 2016, Melbourne, Australia.
12. **Osborne LM**, Nagle-Yang S, Hermann A. et al. Training Psychiatrists in Reproductive Psychiatry: The U.S. Perspective. International Marcé Society, September 26, 2016, Melbourne, Australia.
13. **Osborne LM**, Payne JL et al. Lower Allopregnanolone in Pregnancy Predicts Postpartum Depression. International Marcé Society, September 27, 2016, Melbourne, Australia.
14. Fitelson E, **Osborne LM**, Altemus M, Okuda M, Kimmel M. Women's Mental Health: Beyond the Perinatal Period (section on The Immune System, Depression, and Anxiety in Women). American Psychiatric Association, May 21, 2017.
15. Howard M, Yang SN, Hutner L, Hudepohl N, Barzilay EM, **Osborne LM**. Creating the National Curriculum in Reproductive Psychiatry. Biennial Perinatal Mental Health Meeting, Chicago, IL, November 8, 2107.
16. Yang SN, Hutner L, Gopalan P, Frew J, **Osborne LM**. Creating the National Curriculum in Reproductive Psychiatry. AADPRT Meeting, New Orleans, LA, March 2, 2018.
17. **Osborne LM**, Payne JP. The role of allopregnanolone in perinatal mood and anxiety disorders. National Association of Psychosocial Obstetrics & Gynecology, Philadelphia, PA, April 20, 2018.
18. **Osborne LM**, Payne JP. Immune dysregulation in pregnancy: Relationship with symptoms of depression and anxiety. International Marcé Society, Bangalore, India, September 27, 2018.
19. **Osborne LM**, Catapano L, Gopalan P, Hudepohl N, Hutner L. Implementing the National Curriculum in Reproductive Psychiatry. International Marcé Society, Bangalore, India, September 28, 2018.
20. **Osborne LM**, Nagle-Yang S, Gopalan P, Albertini E. Implementing the National Curriculum in Reproductive Psychiatry. Academy of Consultation-Liaison Psychiatry. Orlando, FL, November 16, 2018.
21. **Osborne LM**, Nagle-Yang S, Gopalan P, Hutner L. Implementing the National Curriculum in Reproductive Psychiatry. AADPRT, San Diego, CA, March 2, 2018.



22. **Osborne LM**, Nagle-Yang S, Gopalan P, Hutner L. Implementing the National Curriculum in Reproductive Psychiatry. International Association of Women's Mental Health, Paris, France March 8, 2019.
23. **Osborne LM**, Betz JF, Yenokyan G, Payne JL. Antenatal anxiety and immune dysregulation. International Association of Women's Mental Health, Paris, France March 7, 2019.
24. **Osborne LM**, Betz JF, Yenokyan G, Standeven L, Payne JL. The role of allopregnanolone in perinatal mood and anxiety disorders. International Association of Women's Mental Health, Paris, France March 8, 2019.
25. **Osborne LM**, Betz JF, Yenokyan G, Standeven L, Payne JL. The role of allopregnanolone in perinatal mood and anxiety disorders. Society of Biological Psychiatry, Chicago, IL, May 16, 2019.
26. **Osborne LM**. Determining risk and handling emergencies in the perinatal patient. American Psychiatric Association, San Francisco, CA, May 21, 2019.
27. Nagle-Yang S, Hudepohl N, **Osborne LM**. Creating the National Curriculum in Reproductive Psychiatry. American Psychiatric Association, San Francisco, CA, May 22, 2019.