

Anne Marie Zaura Jukic, MSPH, PhD

Mailing address : PO Box 12233
MD A3-05
Durham, NC 27709
Phone (919) 287-3699
Email jukica@niehs.nih.gov

Education:

2009 PhD, Department of Epidemiology, University of North Carolina, Chapel Hill, NC
2004 MSPH, Specialization: Epidemiology, Rollins School of Public Health, Emory University, Atlanta, GA
1999 BS, Biology/Spanish major, University of Notre Dame, Notre Dame, IN

Employment:

7/23/2018 – Principal Investigator, Epidemiology Branch, National Institute of Environmental Health Sciences
8/1/2015 – 7/20/2018 Assistant Professor, Department of Chronic Disease Epidemiology, Yale Center for Perinatal, Pediatric, and Environmental Epidemiology, Yale School of Public Health, Yale University
9/7/2014 – 7/31/2015 Research Fellow, primary mentor: Allen J. Wilcox, MD, PhD, Epidemiology Branch, National Institute for Environmental Health Sciences, Durham, NC
9/30/2009 – 9/5/2014 Postdoctoral Fellow, primary mentor: Allen J. Wilcox
2006 – 2009 Predoctoral Fellow, primary mentor: Allen J. Wilcox
2005 – 2006 Special Volunteer, primary mentor: Allen J. Wilcox, MD, PhD

Research Support:

2019 – 2020 Principal Investigator, Office of Research on Women's Health co-funding grant, "The associations between chronic inflammation, fertility, and ovarian aging"
2018 – 2020 Consultant, R21-MD-012345-01 (PI: Simanek) "Socioeconomic Disadvantage, Adverse Birth Outcomes and Fetal Programming of Inflammation"
2017 – 2019 Co-Investigator, Bill and Melinda Gates Foundation Grant (PI: Daniel Roth), "Biomarkers and mechanisms of preterm birth and fetal-infant growth restriction"

- 2014 – 2018 Principal Investigator, K99/R00 Award: 4R00HD079659-02, “*An investigation of vitamin D in human fertility and early pregnancy*”.
- 2010 – 2011 Lead associate investigator, National Institute of Environmental Health Sciences, A Follow-up of the Early Pregnancy Study Cohort.

Mentoring:

- 2018 – Dissertation committee member, Ana Rosen Vollmar (EHS). F31 award from NIEHS: Phenol exposure, reproductive function, and the urinary metabolome.
- 2018 External reader, Amelia Wesselink, BUSPH, Dissertation entitled “Environmental and psychosocial risk factors for subfertility.”
- 2018 Second reader, Nina Hatch (Department of Environmental Health Sciences). Proximity to major roadway, time to pregnancy, and early pregnancy loss.
- 2017 - 2018 First reader, Ang Li (CDE). (Master’s thesis) Vitamin D and miscarriage.
- First reader, Naimisha Movva (CDE). (Master’s thesis) Intrauterine bleeding and gestational length and birth weight.
- First reader, Ponnu Padiyara (CDE). (Master’s thesis) Periconceptional pain-killer usage and time to pregnancy
- 2016 - 2017 First reader, Roxana Mir (CDE). (Master’s thesis) MicroRNA and preeclampsia: A meta-analysis
- First reader, Steven Lao (CDE). (Master’s thesis) The burden of neonatal herpes infection in New York City
- Second reader, Katherine Garvey (CDE). (Master’s thesis) Birth outcomes among Asian/Pacific Islander women.
- 2015 – 2018 Mentor, Helen Chin, Post-doctoral fellow at NIEHS, Maternal recall of exposures during early pregnancy.
- 2015 - 2016 First reader, Lindsey Hiebert (CDE). (Master’s thesis) Is there a need for preconception targeted nutritional interventions for adolescents in Bangladesh?
- Second reader, Oluwaseyi Adeyinka (CDE). (Master’s thesis) Sociodemographic disparities in prenatal care satisfaction in American Samoa.

Honors:

- 2019 Star Reviewer Award, *Fertility and Sterility*
- 2016 Rising Star Young Investigator Award, Society for Pediatric and Perinatal Epidemiologic Research (SPER)
Young Investigator Travel Award, Vitamin D Workshop
- 2015 NIEHS Paper of the Month, September, "Urinary concentrations of phthalate metabolites and bisphenol A and associations with follicular-phase length, luteal-phase, fecundability, and early pregnancy loss."
Society for Epidemiologic Research, Poster Award, First prize
- 2013 NIEHS Paper of the Month, September, "Length of human pregnancy and contributors to its natural variation."
- 2012 Society for Pediatric and Perinatal Epidemiologic Research, Student Prize Paper Honorable Mention
Society for Epidemiologic Research, Student Travel Award
- 2005 Selected participant, Summer Institute in Reproductive and Perinatal Epidemiology, sponsored by the NICHD and the Canadian Institute of Health Research.

Certifications:

- 1998- present American Council on Exercise (ACE) group fitness instructor
- 2001 - 2004 Emergency medical technician, level B, Illinois state certification
- 2000 Advanced TOEFEL score, Romanian language

Teaching:

- 2019 Guest lecture, "Contraception, Fertility, Fecundity," University of North Carolina, Introduction to Reproductive Epidemiology.
Guest lecture, "Pregnancy loss," University of North Carolina, Introduction to Reproductive Epidemiology.
- 2018 Guest lecture, "Endocrine disruptors and fertility," Department of Social and Behavioral Sciences, Yale School of Public Health
Guest lecture, "Contraception, Fertility, Fecundity," University of North Carolina, Introduction to Reproductive Epidemiology.
- 2017-2018 Lead instructor, "Topics in Perinatal Epidemiology," Department of Chronic Disease Epidemiology, Yale School of Public Health.
- 2016 Guest lecture, "Measurement Issues in Perinatal Epidemiology," Yale School of Public Health.

Professional Societies:

2006- 2008, 2010, 2012-present	Society for Pediatric and Perinatal Epidemiologic Research (SPER)
2006-2008, 2010, 2012-present	Society for Epidemiologic Research (SER)
2019-present	American College of Epidemiology (ACE)
2016, 2019	American Society for Reproductive Medicine

Service:

2019 -	Member-at-large, Society for Pediatric and Perinatal Epidemiologic Research (SPER)
2017 -	Editorial review board member, <i>Environmental Health Perspectives</i>
2014 - 2020	Abstract reviewer, student prize paper judge, Rising Star Award judge, Program Committee, Society for Pediatric and Perinatal Epidemiologic Research annual meeting Abstract reviewer, awards committee, Society for Epidemiologic Research
2019	Reviewer, Wellcome Trust, Collaborative Award in Science grant application. Reviewer, Netherlands Organisation for Health Research and Development grant application Symposium moderator, Society for Epidemiologic Research annual meeting
2015 – 2018	Stolwijk Fellowship Committee, Yale School of Public Health
2017	Scientific Review Committee member, Environmental influences on Placental Origins of Development (ePOD), NIEHS
2015 – 2017	Admissions Committee, BA-BS/MPH program, Yale School of Public Health
2016	Moderator, The 19 th Workshop on Vitamin D, Boston, MA: “Vitamin D and Reproduction”
2015 – 2016	Development Committee, Society for Epidemiologic Research.
2011 – 2012 and	
2013 – 2014	Member, NIEHS Trainees’ Assembly Steering Committee
2012 – 2013	Chair, NIEHS Trainees’ Assembly Steering Committee

Scientific Review Service:

Acta Obstetrica et Gynecologica Scandinavica, American Journal of Clinical Nutrition, American Journal of Epidemiology, American Journal of Obstetrics and Gynecology,

Annals of Epidemiology, BJOG, BMC Pregnancy and Childbirth, British Journal of Nutrition, Clinical Epidemiology, Gynecological Endocrinology, Early Human Development, Environmental Health Perspectives, Environmental Science and Technology, Epidemiology, Fertility and Sterility, Human Reproduction, Nature Communications, Nutrients, Paediatric and Perinatal Epidemiology, Pediatrics, PLoS One, Reproductive Health, Science of the Total Environment, Scientific Reports, Ultrasound in Obstetrics and Gynecology

Publications:

These publications can be found here:

<https://www.ncbi.nlm.nih.gov/sites/myncbi/anne>

[marie.jukic.2/bibliography/50032281/public/?sort=date&direction=descending](https://www.ncbi.nlm.nih.gov/sites/myncbi/anne/marie.jukic.2/bibliography/50032281/public/?sort=date&direction=descending)

1. Stanhiser J, **Jukic AMZ**, Steiner AZ. Serum omega-3 and omega-6 fatty acid concentrations and natural fertility. *Human Reproduction*, *in press*.
2. **Jukic AMZ**, Padiyara P, Bracken MB, McConnaughey DR, Steiner AZ. Analgesic use at ovulation and implantation and human fertility. *American Journal of Obstetrics and Gynecology*, *in press*.
3. Harmon QE, Kissell K, **Jukic AMZ**, Kim K, Sjaarda L, Perkins NJ, Umbach DM, Schisterman EF, Baird DD, Mumford SL. Vitamin D and reproductive hormones across the menstrual cycle. *Human Reproduction*, 2020; 35(2): 413-423.
4. **Jukic AMZ**, Baird DD, Weinberg CR, Wilcox AJ, McConnaughey DR, Steiner AZ. Pre-conception 25-hydroxyvitamin D (25(OH)D) and fecundability. *Human Reproduction*. 2019 Nov 1;34(11):2163-2172. doi: 10.1093/humrep/dez170.
5. Harville EW, Mishra GD, Yeung E, Mumford SL, Schisterman EF, **Jukic AM**, Hatch EE, Mikkelsen EM, Jiang H, Ehrenthal DB, Porucznik CA, Stanford JB, Wen SW, Harvey A, Symons Downs D, Yajnik C, Santillan D, Santillan M, McElrath TF, Woo JG, Urbina EM, Chavarro JE, Sotres-Alvarez D, Bazzano L, Zhang J, Steiner A, Gunderson EP, Wise LA. The Preconception Period analysis of Risks and Exposures Influencing health and Development (PrePARED) consortium. *Paediatric and Perinatal Epidemiology*. 2019 Nov;33(6):490-502. doi: 10.1111/ppe.12592. Epub 2019 Oct 28.
6. Rosen Vollmar AK, Rattray NJW, Cai Y, Santos-Neto AJ, Deziel NC, **Jukic AMZ**, Johnson CH. Normalizing Untargeted Periconceptional Urinary Metabolomics Data: A Comparison of Approaches. *Metabolites*, 2019 Sep 21;9(10) pii: E198.
7. Chin HB, **Jukic AM**, Wilcox AJ, Weinberg CR, Ferguson KK, Calafat AM, McConnaughey DR, Baird DD. Association of urinary concentrations of early pregnancy phthalate metabolites and bisphenol A with length of gestation. *Environmental Health* 2019; 18(1):80.

8. Chin H, **Jukic AM**, Wilcox AJ, Weinberg CR, Ferguson KK, Calafat AM, McConnaughey DR, Baird DD. Association of urinary concentrations of phthalate metabolites and bisphenol A with early pregnancy endpoints. *Environmental Research*, 2019 Jan;168:254-260. doi: 10.1016/j.envres.2018.09.037.
9. Eskild A, Monkerud L, **Jukic AM**, Åsvold BO, Lie KK. Maternal concentrations of human chorionic gonadotropin (hCG) and risk for cerebral palsy (CP) in the child. A case control study. *Eur J Obstet Gynecol Reprod Biol*. 2018 Sep;228:203-208. doi: 10.1016/j.ejogrb.2018.07.003. Epub 2018 Jul 4. PMC6291402.
10. Larsen S, Haavaldsen C, Bjelland EK, Dypvik J, **Jukic AM**, Eskild A. Placental weight and birthweight: the relations with number of daily cigarettes and smoking cessation in pregnancy. A population study. *International Journal of Epidemiology* 2018 Aug 1;47(4):1141-1150. doi: 10.1093/ije/dyy110. PMC6124614
11. **Jukic AMZ**, Baird DD, Wilcox AJ, Weinberg CR, Steiner AZ. 25-Hydroxyvitamin D (25(OH)D) and biomarkers of ovarian reserve. *Menopause*. 2018 Jul;25(7):811-816. doi: 10.1097/GME.0000000000001075. PMC6014875
12. Schumacher BL, **Jukic AM**, Steiner AZ. Anti-Mullerian hormone (AMH) as a risk factor for miscarriage in naturally conceived pregnancies. *Fertility and Sterility*, 2018 Jun;109(6):1065-1071.e1. doi: 10.1016/j.fertnstert.2018.01.039.
13. **Jukic AMZ**, Wilcox AJ, McConnaughey DR, Weinberg CR, Steiner AZ. 25-Hydroxyvitamin D and Long Menstrual Cycles in a Prospective Cohort Study. *Epidemiology*. 2018 May;29(3):388-396. doi: 10.1097/EDE.0000000000000804. PubMed PMID: 29337846; PubMed Central PMCID: PMC5882585.
14. **Jukic AMZ**, Hoofnagle AN, Lutsey PL. Measurement of Vitamin D for Epidemiologic and Clinical Research: Shining Light on a Complex Decision. *American Journal of Epidemiology*. 2018 Apr 1;187(4):879-890. doi: 10.1093/aje/kwx297. PubMed PMID: 29020155; PubMed Central PMCID: PMC5889008.
15. Adeyinka O, **Jukic AM**, McGarvey ST, Muasau-Howard BT, Faii M, Hawley NL. Predictors of prenatal care satisfaction among pregnant women in American Samoa. *BMC Pregnancy Childbirth*. 2017 Nov 16;17(1):381. doi: 10.1186/s12884-017-1563-6. PubMed PMID: 29145810; PubMed Central PMCID: PMC5689158.
16. Dypvik J, Larsen S, Haavaldsen C, **Jukic AM**, Vatten LJ, Eskild A. Placental weight in the first pregnancy and risk for preeclampsia in the second

- pregnancy: A population-based study of 186 859 women. *European Journal of Obstetrics Gynecology and Reproductive Biology*. 2017 Jul;214:184-189.
17. Chin HB, Baird DD, McConnaughey DR, Weinberg CR, Wilcox AJ, **Jukic AM**. Long-term recall of pregnancy-related events. *Epidemiology*. 2017 Jul;28(4):575-579.
 18. **Jukic AM**, McConnaughey DR, Weinberg CR, Wilcox AJ, Baird DD. Long-term recall of time to pregnancy. *Epidemiology*, 2016 Sept; 27(5):705-711.
 19. **Jukic AMZ**, Upson K, Harmon QE, Baird DD. Increasing serum 25-hydroxyvitamin D (25(OH)D) is associated with reduced odds of long menstrual cycles in a cross-sectional study of African-American women. *Fertility and Sterility*, 2016 July, 106(1):172–179.e2.
 20. Steiner AZ, **Jukic AM**. The impact of female age and nulligravidity on fecundity in an older reproductive age cohort. *Fertility and Sterility*, 2016 June, 105(6) 1584–1588.e1.
 21. **Jukic AM**, Calafat AM, McConnaughey DR, Longnecker MP, Hoppin JA, Weinberg CR, Wilcox AJ, Baird DD. Urinary Concentrations of Phthalate Metabolites and Bisphenol A and Associations with Follicular-Phase Length, Luteal-Phase Length, Fecundability, and Early Pregnancy Loss. *Environmental Health Perspectives*, 2016 Mar;124(3):321-328.
 22. Vladutiu CJ, Evenson KR, **Jukic AM**, Herring AH. Correlates of self-reported physical activity at 3- and 12-months postpartum. *Journal of Physical Activity and Health*, 2015 June 12(6):814-822.
 23. **Jukic AM**, Steiner AZ, Baird DD. Lower plasma 25-hydroxyvitamin D is associated with irregular menstrual cycles in a cross-sectional study. *Reproductive Biology and Endocrinology* 2015; 13(1):20. PMC4359493.
 24. **Jukic AM**, Steiner AZ, Baird DD. Association between serum 25-hydroxyvitamin D and ovarian reserve in premenopausal women. *Menopause* 2015; 22(3):312-6. PMC4317384
 25. **Jukic AM**, McConnaughey DR, Weinberg CR, Baird DD, Wilcox AJ. Length of human gestation and contributors to its natural variance. *Human Reproduction*, 2013 October; 28(10):2848-2855.
 26. **Jukic AM**, Lawlor DA, Juhl M, Owe KM, Lewis B, Liu J, Wilcox AJ, Longnecker MP. Physical activity during pregnancy and language development in the offspring. *Paediatric and Perinatal Epidemiology*, 2013 May;27(3):283-93.
 27. **Jukic AMZ**, Evenson KR, Daniels JL, Herring AH, Hartmann KE, Wilcox AJ. A prospective study of the association between vigorous physical activity during pregnancy and length of gestation and birthweight, *Maternal and Child Health Journal*, 2012 Jul;16(5):1031-44.

28. **Jukic AMZ**, Evenson KR, Daniels JL, Herring AH, Hartmann KE, Wilcox AJ. Correlates of physical activity during pregnancy, *Journal of Physical Activity and Health*, 2012 Mar;9(3):325-35.
29. Cellini J, **Zaura Jukic AM**, LePard KJ. Neostigmine-induced contraction and nitric oxide-induced relaxation of isolated ileum from STZ diabetic guinea pigs. *Autonomic Neuroscience*, 2011 Dec 7:165(2):178-90.
30. **Jukic AM**, Weinberg CR, Baird DD, Wilcox AJ. The association of maternal factors with delayed implantation and the initial rise of urinary human chorionic gonadotropin. *Human Reproduction*, 2011 Apr: 26(4):920-6.
31. **Jukic AMZ**, Weinberg CR, Baird DD, Wilcox AJ. Effects of early pregnancy loss on hormone levels in the subsequent menstrual cycle, *Gynecological Endocrinology*, 2010 Dec: 26(12):897-901.
32. **Jukic AMZ**, Weinberg CR, Baird DD, Hornsby PP, Wilcox AJ. Measuring Menstrual Discomfort: A Comparison of Interview and Diary Data. *Epidemiology*, 2008 Nov;19(6):846-50.
33. **Jukic AMZ**, Weinberg CR, Wilcox AJ, McConaughy DR, Hornsby PP, Baird DD. Accuracy of Menstrual Cycle Length Reporting. *American Journal of Epidemiology*, 2008 Jan 1;167(1):25-33.
34. **Jukic AMZ**, Weinberg CR, Baird DD, Wilcox AJ. Life-Style and Reproductive Factors Associated with Follicular Phase Length, *Journal of Women's Health*, 2007 Nov;16(9):1340-7.
35. Aldridge ML, Daniels JL, **Jukic AM**. Mammograms and healthcare access among US Hispanic and non-Hispanic women 40 years and older. *Family and Community Health*, 2006 Apr-Jun;29(2):80-8.

Commentaries

1. **Jukic AM**, Harmon QE. Accumulating evidence for vitamin D and conception. *Fertility and Sterility*, 2020 Feb; 113(2): 330-331.
2. (Invited mini-commentary) **Jukic A**. Gaining insights into reproductive health from historical events. *British Journal of Obstetrics and Gynaecology*. 2019 Sep 25. doi: 10.1111/1471-0528.15963. [Epub ahead of print]
3. (Invited mini-commentary) **Jukic AM**. The impact of systematic errors on gestational age estimation. *British Journal of Obstetrics and Gynaecology*, 2015; 122(6):842.
4. **Jukic AM**, Wilcox AJ. The events of early pregnancy: prying open the black box, *Ultrasound Obstetrics and Gynecology*, 2012 Dec;40(6):617-8.

Other Media

2016

Public Health Minute with William Latimer , “Early pregnancy,”
<http://wp.lehman.edu/public-health-minute-with-william-latimer/early-pregnancy-anne-marie-jukic-phd-yale-university/>

Public Health Minute with William Latimer, “Early Pregnancy and Vitamin D,” <https://soundcloud.com/publichealthminute/early-pregnancy-and-vitamin-d-dr-anne-marie-jukic>