

Anne Marie Zaura Jukic, MSPH, PhD

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 for Environmental Health Sciences, Durham, NC
- 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, MD, PhD
- 2006 – 2009 Predoctoral Fellow, primary mentor: Allen J. Wilcox, MD, PhD
- 2005 – 2006 Special Volunteer, primary mentor: Allen J. Wilcox, MD, PhD

Research Support:

- 2017 – 2019 Co-Investigator, Gates Foundation Grant, “Biomarkers and mechanisms of preterm birth and fetal-infant growth restriction”
- 2015 – 2018 Principal Investigator, R00 Award: 4R00HD079659-02, “*An investigation of vitamin D in human fertility and early pregnancy*”.
- 2014 – 2015 Principal Investigator, K99 Award: Grant Number: 1K99HD079659 - 01A1, “*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.

Honors:

- 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 (Day 2), 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 to participate in the first annual Summer Institute in Reproductive and Perinatal Epidemiology, sponsored by the Eunice Kennedy Shriver National Institute of Child Health and Human Development and the Canadian Institutes of Health Research's Institute of Human Development.

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

Mentoring:

- 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 Co-mentor, Helen Chin, Post-doctoral fellow at NIEHS, Maternal recall of exposures during early pregnancy and pregnancy outcomes. BPA and phthalate associations with early pregnancy events and gestational age.

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.

Teaching:

2017-2018 Lead instructor, "Topics in Perinatal Epidemiology"

2016 Guest lecture, "Measurement Issues in Perinatal Epidemiology," Yale School of Public Health,

2014 Guest lecture, "Early Pregnancy Biology," University of North Carolina, Introduction to Reproductive Epidemiology.

Guest lecture, "Gestational Age and Birth Weight," University of North Carolina, Introduction to Reproductive Epidemiology.

2013 Guest lecture, "Epidemiology of Early Pregnancy (Longitudinal Data Analysis)," University of North Carolina, Advanced topics in Perinatal and Pediatric Epidemiology.

"Teaching at the College Level," 12-week training course.

Guest lecture, "Early Pregnancy Biology," University of North Carolina, Introduction to Reproductive Epidemiology.

2007 Teaching assistant, University of North Carolina, EPID 710: Theory and Quantitative Methods in Epidemiology, Dr. Charles Poole (Instructor).

2006 Teaching assistant, University of North Carolina, EPID 705: Introduction to Deductive and Probability Logic in Epidemiology, Dr. Charles Poole (Instructor).

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)

2016-2017 American Society for Reproductive Medicine

Service:

2016 - 2018	Abstract reviewer, student prize paper judge, Rising Star Award judge (2018), Society for Pediatric and Perinatal Epidemiologic Research annual meeting Abstract reviewer, Society for Epidemiologic Research Awards committee, Society for Epidemiologic Research
2015 – 2018	Stolwijk Fellowship Committee
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.
2015	Abstract reviewer, Society for Pediatric and Perinatal Epidemiologic Research annual meeting
2014	Abstract reviewer, Society for Pediatric and Perinatal Epidemiologic Research annual meeting
2013 – 2014,	
2011 – 2012	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 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, Paediatric and Perinatal Epidemiology, PLoS One, Reproductive Health, Science of the Total Environment, Scientific Reports, Ultrasound in Obstetrics and Gynecology

Publications:

These publications can be found here:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/annemarie.jukic.1/bibliography/47922887/public/?sort=date&direction=ascending>

Eskild A, Monkerud L, **Jukic AM**, Asvold 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 Jul 4;228:203-208. PMID: 30007247.

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. PMID: PMC6014875

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. *Int J Epidemiol*. 2018 Jun 26. PubMed PMID: 29947760.

Lyttle Schumacher BM, **Jukic AMZ**, 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. PMID 29871793.

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.

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.

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.

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.

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.

Jukic AM, McConnaughey DR, Weinberg CR, Wilcox AJ, Baird DD. Long-term recall of time to pregnancy. *Epidemiology*, 2016 Sept; 27(5):705-711.

Jukic AM, Upton 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.

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.

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.

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.

(Invited mini-commentary) **Jukic AM**. The impact of systematic errors on gestational age estimation. *British Journal of Obstetrics and Gynaecology*, 2015; 122(6):842.

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.

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

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.

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.

Jukic AM, Wilcox AJ. The events of early pregnancy: prying open the black box, *Ultrasound Obstetrics and Gynecology*, 2012 Dec;40(6):617-8.

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.

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.

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.

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.

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.

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.

Jukic AMZ, Weinberg CR, Wilcox AJ, McConnaughey DR, Hornsby PP, Baird DD. Accuracy of Menstrual Cycle Length Reporting. *American Journal of Epidemiology*, 2008 Jan 1;167(1):25-33.

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.

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.

Presentations:

2018 Invited talk, "Vitamin D and other environmental exposures and fertility and early pregnancy." The 1st Bilateral Conference of ZJU-Yale Collaborative Research Center for Environment-Related Diseases, Hangzhou, China.

Invited talk, "Vitamin D and other environmental exposures and fertility and early pregnancy." International conference on water pollution treatment technology and environmental health assessment. Lanzhou, China.

2017 Invited lecture, "Is sunlight the best medicine? Vitamin D and reproductive function," University of North Carolina, Chapel Hill.

Invited webinar, "What's the big Deal? Vitamin D and reproduction," The International Institute for Restorative Reproductive Medicine

Invited lecture, "Vitamin D, menstrual cycles, and fertility: Sunlight falls on everything, even reproduction," University of Massachusetts, Amherst

Invited lecture, "Not just for bones anymore: vitamin D, reproduction, and reproductive aging," Yale School of Medicine, Department of Obstetrics, Gynecology & Reproductive Sciences

Invited lecture, "Not just for bones anymore: vitamin D and reproduction," Research Section, Department of Obstetrics and Gynecology, Akershus University Hospital, Norway.

2016 Invited lecture, "So many biomarkers, so little understanding of how to use them," Society for Epidemiologic Research (SER) annual meeting

Oral presentation, "Increasing 25-hydroxyvitamin D (25(OH)D) decreases the occurrence of long menstrual cycles," Society for Epidemiologic Research (SER) annual meeting.

Poster, "Increasing 25-hydroxyvitamin D (25(OH)D) decreases the occurrence of long menstrual cycles," Society for Pediatric and Perinatal Epidemiologic Research (SPER) annual meeting.

Poster, "Long-term recall of time to pregnancy," Society for Pediatric and Perinatal Epidemiologic Research (SPER) annual meeting.

Poster, "Higher 25-hydroxyvitamin D is associated with increased fecundability," Vitamin D Workshop.

Poster, "Higher 25-hydroxyvitamin D is associated with increased fecundability," American Society for Reproductive Medicine annual meeting.

2015 Invited lecture, "Early pregnancy: a universe of opportunity." Yale Center for Clinical Investigation, Cultural Ambassadors program.

Oral Presentation, "Low vitamin D is associated with irregular menstrual cycles." Society for Epidemiologic Research annual meeting.

Poster, "Low vitamin D is associated with irregular menstrual cycles." Vitamin D Workshop (Delft, The Netherlands).

Poster, "Decreasing serum 25-hydroxyvitamin D (25(OH)D) is associated with long menstrual cycles in African-American women." Society of Pediatric and Perinatal Epidemiologic Research annual meeting, Society for Epidemiologic Research annual meeting, Vitamin D Workshop (Delft, The Netherlands).

2013 Invited lecture, Yale University, "Investigating early pregnancy: The end is in the beginning."

Invited lecture, University of Illinois Chicago, "Early pregnancy development: Predictors and consequences."

Oral presentation, "Cycle-specific phthalate metabolites and fecundability and early pregnancy loss." Society for Epidemiologic Research annual meeting.

Poster, "Cycle-specific phthalate metabolites and fecundability and early pregnancy loss." Society for Pediatric and Perinatal Epidemiologic Research annual meeting.

- 2012 Poster, "Length of human gestation and contributors to its natural variance," Society for Pediatric and Perinatal Epidemiologic Research annual meeting.
- Poster, "Physical activity during pregnancy and language development in the offspring," Society for Pediatric and Perinatal Epidemiologic Research annual meeting.
- Poster, "Length of human gestation and contributors to its natural variance." Society for Epidemiological Research annual meeting.
- Poster, "Physical activity during pregnancy and language development in the offspring." Society for Epidemiologic Research annual meeting.
- 2011 Oral presentation, "Length of gestation in human pregnancy," NIEHS Science Awards Day.
- 2010 Oral presentation, "Association of maternal factors with delayed implantation and the initial rise of urinary chorionic gonadotropin," Society for Pediatric and Perinatal Epidemiologic Research annual meeting.
- Poster, "Association of maternal factors with delayed implantation and the initial rise of urinary chorionic gonadotropin", Society for Epidemiologic Research annual meeting.
- Poster, "A prospective study of the association between vigorous physical activity during pregnancy and length of gestation and birthweight," Society for Pediatric and Perinatal Epidemiologic Research annual meeting.
- Poster, "A prospective study of the association between vigorous physical activity during pregnancy and length of gestation and birthweight," Society for Epidemiologic Research annual meetings.
- 2008 Oral presentation, "How might early pregnancy loss affect fecundability in the next menstrual cycle? Effects of early loss on hormone levels and sexual intercourse," Society for Pediatric and Perinatal Epidemiologic Research annual meeting