

## Shari Gelber, MD

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### Publications:

### Original Reports

1. Glasscock, G. F., **Gelber, S. E.**, Lamson, G., McGee-Tekula, R., and Rosenfeld, R. G. (1990). Pituitary control of growth in the neonatal rat: effects of neonatal hypophysectomy on somatic and organ growth, serum insulin-like growth factors (IGF)-I and -II levels, and expression of IGF binding proteins. *Endocrinology* 127, 1792-803.
2. McGehee, D. S., Heath, M. J., **Gelber, S.**, Devay, P., and Role, L. W. (1995). Nicotine enhancement of fast excitatory synaptic transmission in CNS by presynaptic receptors. *Science* 269, 1692-6.
3. Xu, W., **Gelber, S.**, Orr-Urtreger, A., Armstrong, D., Lewis, R. A., Ou, C. N., Patrick, J., Role, L., De Biasi, M., and Beaudet, A. L. (1999). Megacystis, mydriasis, and ion channel defect in mice lacking the alpha3 neuronal nicotinic acetylcholine receptor. *Proc Natl Acad Sci U S A* 96, 5746-51.
4. Xu, W., Orr-Urtreger, A., Nigro, F., **Gelber, S.**, Sutcliffe, C. B., Armstrong, D., Patrick, J. W., Role, L. W., Beaudet, A. L., and De Biasi, M. (1999). Multiorgan autonomic dysfunction in mice lacking the beta2 and the beta4 subunits of neuronal nicotinic acetylcholine receptors. *J Neurosci* 19, 9298-305.
5. Ratner, A. J., Bryan, R., Weber, A., Nguyen, S., Barnes, D., Pitt, A., **Gelber, S.**, Cheung, A., and Prince, A. (2001). Cystic fibrosis pathogens activate Ca<sup>2+</sup>-dependent mitogen-activated protein kinase signaling pathways in airway epithelial cells. *J Biol Chem* 276, 19267-75.
6. Culhane J.F, Nyirjesy P, McCollum K, Goldenberg R.L., **Gelber S.E.**, Cauci S. (2006) Variation in vaginal immune parameters and microbial hydrolytic enzymes in bacterial vaginosis positive pregnant women with and without Mobiluncus species. *Am J Obstet Gynecol* 195(2). 516-21.
7. Sarkisov DV, **Gelber SE**, Walker JW, Wang SS. (2007) Synapse specificity of calcium release probed by chemical two-photon uncaging of inositol 1,4,5-trisphosphate. *J Biol Chem*. 2007 Aug 31;282(35):25517-26. Epub 2007 May 31.
8. **Gelber S.E.**, Bongiovanni A.M., Jean-Pierre C., Linhares I., Skupski D.W., Witkin S.S. (2007) Antibodies to the 70kD Heat Shock Protein in Mid-Trimester Amniotic Fluid and Intraamniotic Immunity. *Am J Obstet Gynecol* 197(3):278.e1-4

9. Fox N.S., **Gelber S.E.**, Kalish R.B., Chasen S.T..(2008) Contemporary practice patterns and beliefs regarding tocolysis among U.S. Maternal-fetal medicine specialists. *Obstet Gynecol.* 2008 Jul;112(1):42-7.
10. Fox NS, Gelber SE, Kalish RB, Chasen ST. (2008) History-indicated cerclage: practice patterns of maternal-fetal medicine specialists in the USA. *J Perinat Med.* 36(6):513-7
11. **Gelber S.E.**, Aguilar J.L., Kanako L.T.L.s, and Ratner A.J. (2008) Functional and phylogenetic characterization of vaginolysin, the human-specific cytolysin from *Gardnerella vaginalis*.*J. Bacteriol.* 190(11):3896-903.
12. Fox NS, **Gelber SE**, Chasen ST. (2008) Physical and sexual activity during pregnancy and near delivery. *J Womens Health*). Nov;17(9):1431-5.
13. Fox NS, **Gelber SE**, Kalish RB, Chasen ST. (2009) The recommendation for bed rest in the setting of arrested preterm labor and premature rupture of membranes. *Am J Obstet Gynecol.* Feb;200(2):165.e1-6.
14. Peláez LM, **Gelber SE**, Fox NS, Chasen ST. (2009) Inappropriate use of vancomycin for preventing perinatal group B streptococcal (GBS) disease in laboring patients. *J Perinat Med.* 37(5):487-9.
15. Sezen D, Bongiovanni AM, **Gelber S**, Perni U, Hutson JM, Skupski D, Witkin SS. (2009) Gelsolin down-regulates lipopolysaccharide-induced intraamniotic tumor necrosis factor-alpha production in the midtrimester of pregnancy. *Am J Obstet Gynecol.* Feb;200(2):191.e1-4.
16. **Gelber S.E.**, and Salmon J.E. (2010) Effectiveness of treatments for pregnant women with APS. *Nat Rev Rheumatol.* Apr;6(4):187-9.
17. Hensel K.J., Randis T.M., **Gelber S.E.**, and Ratner A.J. (2011) Pregnancy-specific association of vitamin D deficiency and bacterial vaginosis *Am J Obstet Gynecol.* Jan;204(1):41.e1-9.
18. **Gelber S.E.**, and Fishman, S. G. (2012) Evidence for the Clinical Management of Chorioamnionitis. *Seminars in fetal and Neonatal Medicine.* Feb;17(1):46-50.
19. Catalozzi M, Williams CY, Zimet GD, Hargreaves KM, **Gelber SE**, Ratner AJ, Stanberry LR, Rosenthal SL. (2014) Attitudes toward microbicide use for bacterial vaginosis in pregnancy. *Sex Health.* Sep;11(4):305-312.
20. Randis TM, **Gelber SE**, Hooven TA, Abellar RG, Akabas LH, Lewis EL, Walker LB, Byland LM, Nizet V, Ratner AJ. (2014) Group B Streptococcus  $\beta$ -hemolysin/cytolysin breaches maternal-fetal barriers to cause preterm birth and intrauterine fetal demise in vivo.*J Infect Dis.* Jul 15;210(2):265-73.
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23. Monni G, Illescas T, Iuculano A, Floris M, Mulas F, McCullough LB, Chervenak FA, **Gelber SE**. (2016) Single center experience in selective feticide in high-order multiple pregnancy: clinical and ethical issues. *J Perinat Med*. Mar;44(2):161-6
24. Ulrich V, **Gelber SE**, Vukelic M, Sacharidou A, Herz J, Urbanus RT, de Groot PG, Natale DR, Harihara A, Redecha P, Abrahams VM, Shaul PW, Salmon JE, Mineo C. (2016) ApoE Receptor 2 Mediation of Trophoblast Dysfunction and Pregnancy Complications Induced by Antiphospholipid Antibodies in Mice. *Arthritis Rheumatol*. Mar;68(3):730-9.
25. **Gelber SE**, Taubel D, Chervenak, FA (2016) American Medical Education: The Evolution of Excellence. *J. Perinatal Med* May 1;44(4):411-3.
26. **Gelber SE**, McCullough LB, Chervenak FA. (2016) Ethical Dimensions of Counseling about the Clinical Management of Gestational Diabetes. *Am J Perinatol*. Nov;33(13):1262-1265.
27. **Gelber SE**, Grünebaum A, Chervenak FA. (2016) Reducing health care disparities: a call to action. *Am J Obstet Gynecol*. Aug;215(2):140-2. PMID: 27397627.
28. **Gelber SE**, Grünebaum A, Chervenak FA. (2016) Prenatal screening for microcephaly: an update after three decades. *J Perinat Med*. Sep 23. [Epub ahead of print] PMID: 27662643
29. Catalozzi M, Dapena Fraiz L, Hargreaves KM, Zimet GD, Stanberry LR, Ratner AJ, **Gelber SE**, Rosenthal SL. (2016) Pregnant women's attitudes about topical microbicides for the prevention and treatment of bacterial vaginosis during pregnancy. *Int J STD AIDS*. Nov 4 [Epub ahead of print] PMID: 27815549
30. **Gelber SE**, Grunebaum A, McCullough LB, Chervenak FA. (2017) Fulfilling professional responsibilities when counselling patients about Zika infection. *BJOG*. Mar;124(4):550 PMID: 27860092.
31. Dennis-Tiwary TA, Denefrio S, **Gelber SE**. (2017) Salutary effects of an attention bias modification mobile application on biobehavioral measures of stress and anxiety during pregnancy. *Biol Psychol*. May 3;127:148-156. PMID: 28478138
32. Rosen, GH, Randis, TM, Desai, PV, Sapra, KJ, Ma, B, Gajer, P, Humphrys, MS, Ravel, J, **Gelber, SE**, Ratner, AJ. (2017). Group B Streptococcus and the vaginal microbiota. *The Journal of Infectious Diseases*. Sep 15;216(6):744-751. PMID: 28934437

## Reviews and Chapters

1. Gelber, S.E. and Ratner, A.J. (2002) Hospital-acquired viral pathogens in the NICU. *Sem Perinatology*. 26(5), 346-356.
2. Evans, M.I., Krivchenia, E.L., **Gelber, S.E.**, and Wapner, R..J. (2003). Selective Reduction. *Clinics in Perinatology* 30(1), 103-111.

3. **Gelber, S.E.** and Nyirjesy P. (2005) Update in Vulvovaginal Candidiasis. *The Female Patient Primary Care Edition* 30(4), 25-31.

Also as **Gelber, S.E.** and Nyirjesy P. (2005) Update in Vulvovaginal Candidiasis. *The Female Patient OB/GYN Edition* 30(5). 36-42.

4. **Gelber, S.E.** and Sciscione A.C. (2006) Mechanical Methods of Cervical Ripening and Labor Induction. *Clinical Obstetrics and Gynecology: Cervical ripening and labor induction*. 49(3). 642-57.

5. **Gelber S.E.** and Nyirjesy P. "Vaginal Discharge." *Clerkship Guide for Obstetrics and Gynecology*. Eds. Minassian and Woodland. Elsevier, 2007.