

List of Publications for Adi L. Tarca, PhD

Peer-reviewed Journal articles in Chronological Order

1. **Tarca AL**, Romero R, Draghici S. Analysis of microarray experiments of gene expression profiling. *Am J Obstet Gynecol* 2006;195(2):373-88.
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9. Hassan SS, Romero R, **Tarca AL**, Draghici S, Pineles B, Bugrim A, Khalek N, Camacho N, Mittal P, Yoon BH, Espinoza J, Kim CJ, Sorokin Y, Malone J, Jr. Signature pathways identified from gene expression profiles in the human uterine cervix before and after spontaneous term parturition. *Am J Obstet Gynecol* 2007;197(3):250-7.
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12. Pineles BL, Romero R, Montenegro D, **Tarca AL**, Han YM, Kim YM, Draghici S, Espinoza J, Kusanovic JP, Mittal P, Hassan SS, Kim CJ. Distinct subsets of microRNAs are expressed differentially in the human placentas of patients with preeclampsia. *Am J Obstet Gynecol* 2007;196(3):261-6.
13. Han YM, Romero R, Kim JS, **Tarca AL**, Kim SK, Draghici S, Kusanovic JP, Gotsch F, Mittal P, Hassan SS, Kim CJ. Region-specific gene expression profiling: novel evidence for biological heterogeneity of the human amnion. *Biol Reprod* 2008;79(5):954-61.
14. Than NG, Romero R, Erez O, Weckle A, **Tarca AL**, Hotra J, Abbas A, Han YM, Kim SS, Kusanovic JP, Gotsch F, Hou Z, Santolaya-Forgas J, Benirschke K, Papp Z, Grossman LI,

- Goodman M, Wildman DE. Emergence of hormonal and redox regulation of galectin-1 in placental mammals: implication in maternal-fetal immune tolerance. *Proc Natl Acad Sci USA* 2008;105(41):15819-24.
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- those with preterm prelabor rupture of the membranes. *J Matern Fetal Neonatal Med* 2009;22(12):1103-15.
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 33. Kim MJ, Romero R, Kim CJ, **Tarca AL**, Chhauy S, LaJeunesse C, Lee DC, Draghici S, Gotsch F, Kusanovic JP, Hassan SS, Kim JS. Villitis of unknown etiology is associated with a distinct pattern of chemokine up-regulation in the feto-maternal and placental compartments: implications for conjoint maternal allograft rejection and maternal anti-fetal graft-versus-host disease. *J Immunol* 2009;182(6):3919-27.
 34. Separovic D, Bielawski J, Pierce JS, Merchant S, **Tarca AL**, Ogretmen B, Korbelik M. Increased tumour dihydroceramide production after Photofrin-PDT alone and improved tumour response after the combination with the ceramide analogue LCL29. Evidence from mouse squamous cell carcinomas. *Br J Cancer* 2009;100(4):626-32.
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61. Sterner KN, McGowen MR, Chugani HT, **Tarca AL**, Sherwood CC, Hof PR, Kuzawa CW, Boddy AM, Raaum RL, Weckle A, Lipovich L, Grossman LI, Uddin M, Goodman M, Wildman DE, Characterization of human cortical gene expression in relation to glucose utilization, *Am J Hum Biol.* 2013, 25(3):418-30.
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65. Lee J, Romero R, Chaiworapongsa T, Dong Z, **Tarca AL**, Xu Y, Chiang PJ, Kusanovic JP, Hassan SS, Yeo L, Yoon BH, Than NG, Kim CJ., Characterization of the Fetal Blood Transcriptome and Proteome in Maternal Anti-Fetal Rejection: Evidence of a Distinct and Novel Type of Human Fetal Systemic Inflammatory Response. *Am J Reprod Immunol.* doi: 10.1111/aji.12142, 2013.
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Book Chapters

1. **Tarca AL**, Draghici S, Romero R, Tainsky MA. Spatial Detrending and Normalization Methods for Two-Channel DNA and Protein Microarray Data. In: Phillip Stafford, editor. *Methods in Microarray Normalization*. Taylor and Francis CRC Press; 2008.
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