

SORIN DRAGHICI

Publications

PubMed articles in reverse chronological order:

1. Donato M, Xu Z, Tomoiaga A, Granneman JG, Mackenzie RG, Bao R, Than NG, Westfall PH, Romero R, **Draghici S**. Analysis and correction of crosstalk effects in pathway analysis. *Genome Res.* 2013 Aug 9. [Epub ahead of print] PubMed PMID: 23934932.
2. Taghavi Z, Movahedi NS, **Draghici S**, Chitsaz H. Distilled single-cell genome sequencing and de novo assembly for sparse microbial communities. *Bioinformatics.* 2013 Aug 13. [Epub ahead of print] PubMed PMID: 23918251.
3. Chaemsaitong P, Madan I, Romero R, Than NG, Tarca AL, **Draghici S**, Bhatti G, Yeo L, Mazor M, Kim CJ, Hassan SS, Chaiworapongsa T. Characterization of the myometrial transcriptome in women with an arrest of dilatation during labor. *J Perinat Med.* 2013 Jul 27:1-17. doi: 10.1515/jpm-2013-0086. [Epub ahead of print] PubMed PMID: 23893668.
4. Del Sorbo MR, Balzano W, Donato M, **Draghici S**. Assessing co-regulation of directly linked genes in biological networks using microarray time series analysis. *Biosystems.* 2013 Jul 20. doi:pii: S0303-2647(13)00166-4. 10.1016/j.biosystems.2013.07.006. [Epub ahead of print] PubMed PMID: 23876997.
5. Chaiworapongsa T, Romero R, Whitten A, Tarca AL, Bhatti G, **Draghici S**, Chaemsaitong P, Miranda J, Hassan SS. Differences and similarities in the transcriptional profile of peripheral whole blood in early and late-onset preeclampsia: insights into the molecular basis of the phenotype of preeclampsia. *J Perinat Med.* 2013 Sep 1; 41(5):485-504. doi: 10.1515/jpm-2013-0082. PubMed PMID: 23793063.
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Genet. 2012; 8(12):e1003046. doi: 10.1371/journal.pgen.1003046. Epub 2012 Dec 6. PubMed PMID: 23236286; PubMed Central PMCID: PMC3516534.

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9. Ansari NA, Bao R, Voichița C, **Draghici S**. Detecting phenotype-specific interactions between biological processes from microarray data and annotations. *IEEE/ACM Trans Comput Biol Bioinform*. 2012 Sep-Oct; 9(5):1399-409. PubMed PMID: 22547431; PubMed Central PMCID: PMC3748606.
10. Krawetz SA, Kruger A, Lalancette C, Tagett R, Anton E, **Draghici S**, Diamond MP. A survey of small RNAs in human sperm. *Hum Reprod*. 2011 Dec; 26(12):3401-12. doi: 10.1093/humrep/der329. Epub 2011 Oct 11. PubMed PMID: 21989093; PubMed Central PMCID: PMC3212879.
11. Lee DC, Romero R, Kim JS, Tarca AL, Montenegro D, Pineles BL, Kim E, Lee J, Kim SY, **Draghici S**, Mittal P, Kusanovic JP, Chaiworapongsa T, Hassan SS, Kim CJ. miR-210 targets iron-sulfur cluster scaffold homologue in human trophoblast cell lines: siderosis of interstitial trophoblasts as a novel pathology of preterm preeclampsia and small-for-gestational-age pregnancies. *Am J Pathol*. 2011 Aug; 179(2):590-602. doi: 10.1016/j.ajpath.2011.04.035. PubMed PMID: 21801864; PubMed Central PMCID: PMC3160082.
12. Beltrame L, Calura E, Popovici RR, Rizzetto L, Guedez DR, Donato M, Romualdi C, **Draghici S**, Cavalieri D. The Biological Connection Markup Language: a SBGN-compliant format for visualization, filtering and analysis of biological pathways. *Bioinformatics*. 2011 Aug 1; 27(15):2127-33. doi: 10.1093/bioinformatics/btr339. Epub 2011 Jun 7. PubMed PMID: 21653523; PubMed Central PMCID: PMC3137220.
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17. Done B, Khatri P, Done A, **Draghici S**. Predicting novel human gene ontology annotations using semantic analysis. *IEEE/ACM Trans Comput Biol Bioinform*. 2010 Jan-Mar; 7(1):91-9. doi: 10.1109/TCBB.2008.29. PubMed PMID: 20150671; PubMed Central PMCID: PMC3712327.
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20. Erez O, Romero R, Tarca AL, Chaiworapongsa T, Kim YM, Than NG, Vaisbuch E, **Draghici S**, Tromp G. Differential expression pattern of genes encoding for antimicrobial peptides in the fetal membranes of patients with spontaneous preterm labor and intact membranes and those with preterm prelabor rupture of the membranes. *J Matern Fetal Neonatal Med*. 2009 Dec; 22(12):1103-15. doi: 10.3109/14767050902994796. PubMed PMID: 19916708; PubMed Central PMCID: PMC3560925.

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24. Tarca AL, **Draghici S**, Romero R. Developing classifiers for the detection of cancer using multi-analytes. *Methods Mol Biol.* 2009; 520:259-72. doi: 10.1007/978-1-60327-811-9_19. PubMed PMID: 19381961; PubMed Central PMCID: PMC3748835.
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Book Chapters in reverse chronological order:

1. Adi Laurentiu Tarca, **Sorin Draghici**, Roberto Romero, and Michael A Tain-sky. Spatial detrending and normalization methods for two-channel DNA and protein microarray data. In Phillip Stafford, editor, *Methods in Microarray Normalization*, pages 63–82. Taylor and Francis CRC Press, 2008.

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