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**Peer Reviewed and Refereed Publications:**

1. Liu C, Hufnagel K, O'Connell CM, Goonetilleke N, Mokashi N, Waterboer T, Tollison TS, Peng X, Wiesenfeld HC, Hillier SL, Zheng X, **Darville T**. Reduced Endometrial Ascension and Enhanced Reinfection Associated with IgG Antibodies to Specific *Chlamydia trachomatis* Proteins in Women at Risk for Chlamydia. *J Infect Dis*. 2022 Mar 2;225(5):846-855. doi: 10.1093/infdis/jiab496. PMID: 34610131, PMCID: PMC8889297.
2. Geisler WM, Hocking JS, **Darville T**, Batteiger BE, Brunham RC. Diagnosis and Management of Uncomplicated *Chlamydia trachomatis* Infections in Adolescents and Adults: Summary of Evidence Reviewed for the 2021 Centers for Disease Control and Prevention Sexually Transmitted Infections Treatment Guidelines. *Clin Infect Dis*. 2022 Apr 13;74(Suppl\_2):S112-S126. doi: 10.1093/cid/ciac126. PMID: 35416965; PMCID: PMC9006972.
3. Liu Y, Darville T, Zheng X, Li Q. Decomposition of variation of mixed variables by a latent mixed Gaussian copula model. *Biometrics*. 2022 Mar 19. doi: 10.1111/biom.13660. Epub ahead of print. PMID: 35304917.
4. Zhong W, **Darville T**, Zheng X, Fine J, Li Y. Generalized multi-SNP mediation intersection-union test. *Biometrics*. 2022 Mar;78(1):364-375. doi: 10.1111/biom.13418. PMID: 33316078, PMCID: PMC8986032.
5. Amaral AF, McQueen BE, Bellingham-Johnston K, Poston TB, **Darville T**, Nagarajan UM, Laplante C, Käser T. Host-Pathogen Interactions of *Chlamydia trachomatis* in Porcine Oviduct Epithelial Cells. *Pathogens*. 2021 Oct 1;10(10):1270. doi: 10.3390/pathogens 10101270. PMID: 34684219, PMCID: PMC8540921.
6. **Darville T**. Pelvic Inflammatory Disease Due to *Neisseria gonorrhoeae* and *Chlamydia trachomatis*: Immune Evasion Mechanisms and Pathogenic Disease Pathways. *J Infect Dis*. 2021 Aug 16;224(Supplement\_2):S39-S46. doi: 10.1093/infdis/jiab031. PMID: 34396413
7. Zheng X, Zhong W, O'Connell CM, Liu Y, Haggerty CL, Geisler WM, Anyalechi GE, Kirkcaldy RD, Wiesenfeld HC, Hillier SL, Steinkampf MP, Hammond KR, Fine J, Li Y, **Darville T**. Host Genetic Risk Factors for *Chlamydia trachomatis*-Related Infertility in Women. *J Infect Dis*. 2021 Aug 16;224(Supplement\_2):S64-S71. doi: 10.1093/infdis/jiab149. PMID: 34396400
8. McQueen BE, Kollipara A, Gyorke CE, Andrews CW Jr, Ezzell A, Darville T, Nagarajan UM. Reduced uterine tissue damage during *Chlamydia muridarum* infection in TREM-1,3 deficient mice. *Infect Immun*. 2021 Jun 14;IAI0007221. doi: 10.1128/IAI.00072-21. Online ahead of print. PMID: 34125599
9. Wiesenfeld HC, Meyn LA, **Darville T**, Macio IS, Hillier SL. A Randomized Controlled Trial of Ceftriaxone and Doxycycline, With or Without Metronidazole, for the Treatment of Acute Pelvic Inflammatory Disease. *Clin Infect Dis*. 2021 Apr 8;72(7):1181-1189. doi: 10.1093/cid/ciaa101. PMID: 32052831 Free PMC article. Clinical Trial.

10. de la Maza LM, **Darville TL**, Pal S. Chlamydia trachomatis vaccines for genital infections: where are we and how far is there to go? *Expert Rev Vaccines*. 2021 Apr;20(4):421-435. doi: 10.1080/14760584.2021.1899817. Epub 2021 Apr 28. PMID: 33682583
11. Gyorke CE, Kollipara A, Allen J 4th, Zhang Y, Ezzell JA, **Darville T**, Montgomery SA, Nagarajan UM. IL-1 $\alpha$  Is Essential for Oviduct Pathology during Genital Chlamydial Infection in Mice. *J Immunol*. 2020 Dec 1;205(11):3037-3049. doi: 10.4049/jimmunol.2000600. Epub 2020 Oct 21. PMID: 33087404
12. Wiringa AE, Ness RB, **Darville T**, Beigi RH, Haggerty CL. *Trichomonas vaginalis*, endometritis and sequelae among women with clinically suspected pelvic inflammatory disease. *Sex Transm Infect*. 2020 Sep;96(6):436-438. doi: 10.1136/sextrans-2019-054079. Epub 2019 Nov 12. PMID: 31719170
13. Tang W, Mao J, Li KT, Walker JS, Chou R, Fu R, Chen W, **Darville T**, Klausner J, Dunbar K, Tucker JD. Pregnancy and fertility-related adverse outcomes associated with Chlamydia trachomatis infection: a global systematic review and meta-analysis. *Sex Transm Infect*. 2020 Aug;96(5):322-329. doi: 10.1136/sextrans-2019-053999. PMID: 31836678.
14. Amaral AF, Rahman KS, Kick AR, Cortes LM, Robertson J, Kaltenboeck B, Gerdtts V, O'Connell CM, Poston TB, Zheng X, Liu C, Omesi SY, **Darville T**, Käser T. Mucosal Vaccination with UV-Inactivated Chlamydia suis Pre-Exposed Outbred Pigs Decreases Pathogen Load and Induces CD4 T-Cell Maturation into IFN- $\gamma$  + Effector Memory Cells. *Vaccines (Basel)*. 2020 Jul 2;8(3):E353. doi: 10.3390/vaccines8030353. PMID: 32630694.
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17. Wiesenfeld HC, Meyn LA, **Darville T**, Macio IS, Hillier SL. A Randomized Controlled Trial of Ceftriaxone and Doxycycline, with or Without Metronidazole, for the Treatment of Acute Pelvic Inflammatory Disease. *Clin Infect Dis*. 2020 Feb 13;ciaa101. doi: 10.1093/cid/ciaa101. Epub ahead of print. PMID: 32052831.
18. Zhong W, Dong L, Poston TB, **Darville T**, Spracklen CN, Wu D, Mohlke KL, Li Y, Li Q, Zheng X. Inferring regulatory networks from mixed observational data using directed acyclic graphs. *Front Genet*. 2020 Feb 07;11:8. Doi: 10.3389/fgene.2020.00008. eCollection 2020 PMID 32127796.
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