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Peer Reviewed and Refereed Publications:

1. Yount KS, Kollipara A, Liu C, Zheng X, O'Connell CM, Bagwell B, Wiesenfeld HC, Hillier SL, **Darville T**. Unique T cell signatures are associated with reduced *Chlamydia trachomatis* reinfection in a highly exposed cohort. *bioRxiv*. 2023 Aug 3:2023.08.02.551709. doi: 10.1101/2023.08.02.551709. PMID: 37577476.
2. Turman BJ, **Darville T** and O'Connell CM. Plasmid-mediated virulence in *Chlamydia trachomatis*. (2023) *Front. Cell. Infect. Microbiol. (Sec. Bacteria and Host)* **13** 20.
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. Turman BJ, Alzhanov D, Nagarajan UM, **Darville T**, O'Connell CM. Virulence protein Pgp3 is insufficient to mediate plasmid-dependent infectivity of *Chlamydia trachomatis*. *Infect Immun*. 2023 Feb 16;91(2):e0039222. doi: 10.1128/iai.00392-22. Epub 2023 Feb 1. PMID: 36722979
5. Stein J, Kay HE, Sites J, Pirzadeh A, Joyner BL Jr, **Darville T**, Bjurlin MA, Rose TL, Jaspers I, Milowsky MI., Electronic cigarette, or vaping, product use-associated lung injury (EVALI) in a patient with testicular cancer: A case report. *Tumori*. 2023 May 10:3008916231172806. doi: 10.1177/03008916231172806. PMID: 37165581
6. Zhong W, Kollipara A, Liu Y, Wang Y, **O'Connell CM**, Poston TB, Yount K, Wiesenfeld HC, Hillier SL, Li Y, Darville T and Zheng X. (2022) Genetic susceptibility loci for *Chlamydia trachomatis* endometrial infection influence expression of genes involved in T cell function, tryptophan metabolism and epithelial integrity. *Front. Immunol.* **13**: 1001255. PMID: 36248887. PMCID: PMC9562917.
7. Liu C, Mokashi NV, **Darville T**, Sun X, O'Connell CM, Hufnagel K, Waterboer T, Zheng X. A Machine Learning-Based Analytic Pipeline Applied to Clinical and Serum IgG Immunoproteome Data To Predict *Chlamydia trachomatis* Genital Tract Ascension and Incident Infection in Women *Microbiol Spectr*. 2023 Jun 15: e0468922. doi: 10.1128/spectrum.04689-22. Online ahead of print. PMID: 37318345
8. 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.
9. 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.

10. 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.
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12. Amaral AF, McQueen BE, Bellingham-Johnstun 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.
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17. 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
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