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RESEARCH PUBLICATIONS

Mahajan G, Doherty E, To T, Sutherland A, Grant J, Junaid A, Gulati A, LoGrande NT, Izadifar Z, Sharma Timilsina S,¹, Horváth V, Plebani R, France M, **Hood-Pishchany I.**, Rakoff-Nahoum S, Kwon DS, Goyal G, Prantil-Baun R, Ravel J, Ingber D. (2022) Vaginal microbiome-host interactions modeled in a human vagina-on-a-chip. *Microbiome* 10(1): 201. PMID: PMC9701078

Campbell JI, Dubois MM, Savage T, **Hood-Pishchany MI**, Sharma TS, Petty CR, Lamb GS, Nakamura M. Comorbidities Associated with Hospitalization and Progression Among Adolescents with Symptomatic Coronavirus Disease 2019. *J Pediatr.* 2022 Feb 28:S0022-3476(22)00169-X. Online ahead of print. PMID: PMC8883759

Hood-Pishchany, M.I., Pham, L., Wijers, C., Burns, W., Boyd, K., Palmer, L., Skaar, E., and Noto, M. (2020) Broad-spectrum suppression of bacterial pneumonia by aminoglycoside-propagated *Acinetobacter baumannii*. *PLoS Pathog.* 16(3):e1008374. PMID: PMC7094866

Hood, M.I., Winkel, B., and Pelletier, M. (2014) Fine scale genetic mapping of the TT9 locus of *Arabidopsis thaliana*. *J Plant Biochem Phys.* 2:128.

Hood, M.I., Uzhachenko, R., Skaar, E., and Ivanova, A. (2013) Loss of mitochondrial FUS1 protects against *Acinetobacter baumannii* pulmonary infection. *Infect. Immun.* 81(12):4461-9. PMID: PMC3837987

Hammer, N., Reniere, M., Cassat, J., Zhang, Y., Hirsch, A., **Hood, M.I.**, and Skaar, E. (2013) Two heme-dependent terminal oxidases power organ specific colonization of *Staphylococcus aureus*. *MBio.* 4(4): e00241-13. PMID: PMC3735196

Kehl-Fie, T., Zhang, Y., Moore, J., Farrand, A., **Hood, M.I.**, Rathi, S., Chazin, W., Caprioli, R., and Skaar, E. (2013) MntABC and MntH contribute to systemic *Staphylococcus aureus* infection by competing with calprotectin for nutrient manganese. *Infect. Immun.* 81(9):3395-405. PMID: PMC3754211

Hood, M.I., Roux, C., Dunman, P., and Skaar, E. (2013) Genetic determinants of intrinsic colistin tolerance in *Acinetobacter baumannii*. *Infect. Immun.* 81(2):542-51. PMID: PMC3553813

Hood, M.I., Mortensen, B., Moore, J., Zhang, Y., Kehl-Fie, T., Sugitani, N., Chazin, W., Caprioli, R., and Skaar, E. (2012) Identification of an *Acinetobacter baumannii* zinc acquisition system that facilitates resistance to calprotectin-mediated zinc sequestration. *PLoS Path.* 8(12): e1003068. PMID: PMC3516566

Hood, M.I., and Skaar, E. (2012) Nutritional immunity: transition metals at the pathogen-host interface. *Nat. Rev. Microbiol.* 10: 525-37. PMID: PMC3875331

Kehl-Fie, T., Chitayat, S., **Hood, M.I.**, Damo, S., Restrepo, N., Garcia, C., Munro, K., Chazin, W., and Skaar, E. (2011) Nutrient metal sequestration by calprotectin inhibits bacterial superoxide defense, enhancing neutrophil killing of *Staphylococcus aureus*. *Cell Host Microbe.* 10: 158-64. PMID: PMC3157011

Jacobs, A., **Hood, M.I.**, Boyd, K., Olson, P., Morrison, J., Carson, S., Sayood, K., Iwen, P., Skaar, E., and Dunman, P. (2010) Inactivation of Phospholipase D diminishes *Acinetobacter baumannii* pathogenesis. *Infect. Immun.* 78: 1952-1962. PMID: PMC2863507

Torres, V., Attia, A., Mason, W., **Hood, M.I.**, Corbin, B., Beasley, F., Anderson, K., Stauff, D., McDonald, W., Zimmerman, L., Friedman, D., Heinrichs, D., Dunman, P., and Skaar, E. (2010) *Staphylococcus aureus* Fur regulates the expression of virulence factors that contribute to the pathogenesis of pneumonia. *Infect. Immun.* 78: 1618-1628. PMID: PMC2849423

Hood, M.I., Jacobs, A., Sayood, K., Dunman, P., and Skaar E. (2010) *Acinetobacter baumannii* increases tolerance to antibiotics in response to monovalent cations. *Antimicrob. Agents Chemother.* 54: 1029-1041. PMID: PMC2825970