Current SRP-Funded Microbiome Research

- Columbia – gut microbiome and its interaction with arsenic exposure in carotid intima-media thickness in a Bangladesh population.
- Dartmouth - Sex-specific associations of infants' gut microbiome with arsenic exposure in a US population.
- MSU –TCDD influences reservoir of antibiotic resistance genes in murine gut microbiome.
- UC Davis - Effects of triclosan in breast milk on the infant fecal microbiome.
- UC San Diego - Link between gut-microbiome derived metabolite and shared gene-effects with hepatic steatosis and fibrosis in NAFLD.
- UC Berkeley - Exposure to formaldehyde perturbs the mouse gut microbiome.
- U Kentucky - PCB-mediated disruption of gut microbial metabolism of the prebiotic inulin.

SRP-Funded Microbiome Publications

- Columbia – Wu F, Yang L, Islam M, Jasmine F, Kibriya MG, Nahar J, Barmon B, Parvez F, Sarwar G, Ahmed A, Eunus M, Islam T, Slavkovich VN, Hu J, Li H, Graziano JH, Pei Z, Ahsan H, Chen Y. 2019. The role of gut microbiome and its interaction with arsenic exposure in carotid intima-media thickness in a Bangladesh population. Environ Int 123:104-113. doi:10.1016/j.envint.2018.11.049
- Dartmouth - Hoen AG, Madan JC, Li Z, Coker M, Lundgren SN, Morrison HG, Palys T, Jackson BP, Sogin ML, Cottingham KL, Karagas MR. 2018. Sex-specific associations of infants' gut microbiome with arsenic exposure in a US population. Sci Rep 8(1):12627. doi:10.1038/s41598-018-30581-9
- MSU – Stedtfeld RD, Stedtfeld TM, Fader KA, Williams MR, Bhaduri P, Quensen JF, Zacharewski TR, Tiedje JM, Hashsham SA. 2017. TCDD influences reservoir of antibiotic resistance genes in murine gut microbiome. FEMS Microbiol Ecol 93:8. doi:10.1093/femsec/fix058
- MSU – Williams MR, Stedtfeld RD, Tiedje JM, Hashsham SA. 2017. MicroRNAs-based inter-domain communication between the host and members of the gut microbiome. Front Microbiol 8:10. doi:10.3389/fmicb.2017.01896

SRP-Funded Microbiome Publications

- UC Davis - Bever C, Nording ML, Taft D, Kalanetra KM, Mills DA, Breck MA, Smilowitz JT, German JB, Hammock BD. 2018. Effects of triclosan in breast milk on the infant fecal microbiome. Chemosphere 203:467-473. doi:10.1016/j.chemosphere.2018.03.186
- UC San Diego - Caussy C, Hsu CL, Lo M, Liu A, Bettencourt R, Ajmera V, Bassirian S, Hooker J, Sy E, Richards L, Schork N, Schnabl B, Brenner DA, Sirlin CB, Chen C, Loomba R. 2018. Link between gut-microbiome derived metabolite and shared gene-effects with hepatic steatosis and fibrosis in NAFLD. Hepatology 68(3):918-932. doi:10.1002/hep.29892
- UC San Diego - Tripathi A, Debelius J, Brenner DA, Karin M, Loomba R, Schnabl B, Knight R. 2018. The gut-liver axis and the intersection with the microbiome. Nat Rev Gastroenterol Hepatol 15:397-411. doi:10.1038/s41575-018-0011-z
- UC Berkeley - Guo J, Zhao Y, Jiang X, Li R, Xie H, Ge L, Xie B, Yang X, Zhang L. 2018. Exposure to formaldehyde perturbs the mouse gut microbiome. Genes (Basel) 9:18. doi:10.3390/genes9040192
- U Kentucky - Hoffman JB, Flythe MD, Hennig B. 2019. Environmental pollutant-mediated disruption of gut microbial metabolism of the prebiotic inulin. Anaerobe 55:96-102. doi:10.1016/j.anaerobe.2018.11.008 PMID:30447394 PMCID:PMC6481639