

Author Contributions

Said R. Bogatyrev, Justin C. Rolando, and Rustem F. Ismagilov. 2020. "Self-reinoculation with fecal flora changes microbiota density and composition leading to an altered bile-acid profile in the mouse small intestine." *Microbiome*. 8(19):1-22. doi:10.1186/s40168-020-0785-4.

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S.R.B. Conception, mouse tail cup development, animal study execution, animal study sample processing for quantitative 16S rRNA gene amplicon sequencing, quantitative 16S rRNA gene amplicon sequencing and data analysis, animal study sample processing for metabolomic analysis, bile acid metabolomics data analysis, manuscript preparation.

J.C.R. Metabolomics method development and validation, animal study sample processing for metabolomic analysis, UPLC-MS instrument setup and sample analysis, chromatographic and mass spectra data analysis.

R.F.I. Project supervision and administration, acquisition of funding, manuscript review and editing.