



08/2011 - 06/2016 **Graduate research assistant**, Bacteriology, U. of Wisconsin-Madison

- Designed and implemented amplicon sequence analysis pipelines
- Collaborated effectively with diverse international researchers resulting in first and corresponding author publications
- Mentored high school, undergraduate, and graduate students

## EDUCATION

2011-2016 **Ph.D. Microbiology**, U. of Wisconsin-Madison, Madison, WI. GPA: 4.00

2007-2011 **B.S. Molecular and cellular biology**, Minor mathematics, U. of Puget Sound, Tacoma, WA. GPA: 3.84

## SELECT PUBLICATIONS

[Full publication list](#)

**Dill-McFarland KA**, König SG, Mazel F, Oliver DC, McEwen LM, Hong KY, Hallam SJ. 2021. An integrated, modular approach to data science education in microbiology. PLoS Comput Biol In press. doi: [10.1371/journal.pcbi.1008661](https://doi.org/10.1371/journal.pcbi.1008661)

**Dill-McFarland KA**, Tang Z, Kemis JH, Kerby RL, Chen G, Palloni A, Sorenson T, Rey FE†, Herd Pt. 2019. Close social relationships correlate with human gut microbiota composition. Sci Rep 9: 703. doi: [10.1038/s41598-018-37298-9](https://doi.org/10.1038/s41598-018-37298-9)

**Dill-McFarland KA**, Weimer PJ, Breaker JD, Suen G. 2018. Diet influences early microbiota development in dairy calves without long-term impacts on milk production. Appl Environ Microbiol 85(2): e02141-18. doi: [10.1128/AEM.02141-18](https://doi.org/10.1128/AEM.02141-18)

## CURRENT PROJECTS

**Dill-McFarland KA**, Schwartz JT, Fulkerson PC, Zhao H, Shao B, Altman MC, Gill MA. Eosinophil-mediated suppression and Anti-IL-5 enhancement of plasmacytoid dendritic cell interferon responses in asthma. J Allergy Clin Immunol. Submitted

**Dill-McFarland KA**, Peterson G, Nguyen F, Penchek P, Stein CM, Mayanja-Kizza H, Boom WH, Hawn TR. Epigenetic programming of lipoprotein pathways associated with resistance to tuberculosis. In prep

**Dill-McFarland KA**, Busse W, Altman MC, Rosenkranz M. Links between allergen-induced gene expression in the lung and neurological responses in asthma. In prep

## NOTABLE ACCOMPLISHMENTS

2017, 2018, 2019 Session convener American Society for Microbiology (ASM) Microbe meeting

2016 Microbiome Digest's [Best Microbiome Paper](#)

2016 Sigrid Leirimo Memorial Award for peer mentorship and support

2009, 2010 American Society for Microbiology Undergraduate Research Fellow

*References available upon request*