

Kimberly A. Dill-McFarland, PhD

Postdoctoral Teaching and Learning Fellow

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1-778-681-1828; kdillmcfarland@gmail.com;    kdillmcfarland**EDUCATION**

- 2011-2016** **Ph.D. Microbiology**, University of Wisconsin-Madison, Madison, WI
Delta Certificate in Research, Teaching, and Learning
- 2007-2011** **B.S. Molecular and cellular biology**, University of Puget Sound,
Tacoma, WA, Minor mathematics, Magna cum laude

POSITIONS

- 08/2017 - present** **Post-doctoral teaching and learning fellow**, U. of British Columbia, Dr.
Steven Hallam (Microbiology & Immunology)

Experiential Data Science for Undergraduate Cross-disciplinary Education ([EDUCE](#)) seeks to improve undergraduate competency in data science through progressive, hands-on modules in undergraduate courses, open-access workshops, and online content.

2018: Ecosystem Services, Commercialization Platforms, and Entrepreneurship ([ECOSCOPE](#)) Post-doctoral Fellow
- 07/2016 - 06/2017** **Post-doctoral research associate**, U. of Wisconsin-Madison, Drs.
Federico Rey (Bacteriology) and Pamela Herd (Sociology)

Long-term behavioral and social impacts on human health, aging, and the gut microbiota
- 08/2011 - 06/2016** **Graduate research assistant**, U. of Wisconsin-Madison, Dr. Garret Suen
(Bacteriology)

Assessing the impact of diet on microbial succession, growth, and milk production in dairy cows
- 08/2008 - 05/2011** **Undergraduate researcher**, U. of Puget Sound, Dr. Mark Martin (Biology)

Investigating maltose metabolism in *Bdellovibrio bacteriovorus*

2009, 2010: American Society for Microbiology Undergraduate Fellow

TEACHING (semester system)

- Spring 2019** **Instructor** Microbial Ecological Genomics (MICB425) at U. of British Columbia.
Flipped classroom course on the forces driving microbial genome evolution using primary literature and interpretation of next-generation sequencing data
- Spring 2019** **Instructor** Microbes and Society (BIOL346) at U. of British Columbia. Elementary
course in biology for non-majors
- Spring 2019** **Guest lecturer** Experimental Microbiology (MICB421) at U. of British Columbia.
Capstone laboratory of independent research projects in microbiology for the Undergraduate Journal of Experimental Microbiology and Immunology ([JEMI](#))

- Spring 2019* **Guest lecturer** Molecular Immunology and Virology Laboratory (MICB323) at U. of British Columbia. Laboratory course in basic immunology and virology including genetic manipulation and tissue culture.
- Fall 2018* **Instructor** Bioinformatics (MICB405) at U. of British Columbia. Upper-level course utilizing coding and computational tools to answer questions in microbiology and public health
- Fall 2018* **Instructor** Microbial Ecophysiology (MICB301) at U. of British Columbia. Undergraduate course on how the physical and biological environment interact with the physiology of microorganisms especially metabolism
- Fall 2018* **Guest lecturer** Experimental Molecular Biology (MICB447) at U. of British Columbia. Capstone laboratory of independent research projects in molecular biology for the Undergraduate Journal of Experimental Microbiology and Immunology ([JEMI](#))
- Fall 2018* **Guest lecturer** Molecular Microbiology Laboratory (MICB322) at U. of British Columbia. Laboratory course in basic microbiology for majors including aseptic technique, plasmid isolation, and enzyme assays.
- Spring 2018* **Instructor** Microbial Ecological Genomics (MICB425) at U. of British Columbia.
- Spring 2018* **Instructor** Microbes and Society (BIOL346) at U. of British Columbia.
- Spring 2018* **Guest lecturer** Experimental Microbiology (MICB421) at U. of British Columbia.
- Fall 2017* **Instructor** Bioinformatics (MICB405) at U. of British Columbia.
- Fall 2017* **Instructor** Microbial Ecophysiology (MICB301) at U. of British Columbia.
- Sum 2017* **Facilitator** Research Mentor Training at U. of Wisconsin-Madison. Discussion-based graduate course on effective research mentoring based on [Entering Mentoring](#) by Hanselsman J *et al*
- Spring 2017* **Instructor** Inclusive Teaching for TAs (EPD690) at U. of Wisconsin-Madison. Graduate course on the impacts of inequity and identity on student learning as well as how to implement inclusive teaching practices

Workshops and short courses

- 2018* **Instructor** ECOSCOPE 2-hour workshop “Introduction to R” and 6-hour workshops “The R tidyverse”, “Reproducible research in Git and R”, and “Intermediate R programming” github.com/EDUCE-UBC/workshops_R
- Sum 2018* **Instructor** Compute Canada Research Computing Summer School 3-hour workshop “Microbiome data manipulation and visualization in R”
- Sum 2018* **Instructor** Centre for Teaching, Learning, and Technology (CTLT) Spring Institute 2-hour workshop “Integrating data science across undergraduate STEM curriculum”
- Spring 2017* **Instructor** Bioinformatics Resource Center (BRC) 8-hour workshops “Microbiota Processing in mothur” and “Microbiota Analysis in R” rpubs.com/dillmcfarlan
- Fall 2016*
- Oct 2015* **Instructor** Universidade Federal de Viçosa, Brazil, 4-day short course “Investigating the microbiota using the Illumina MiSeq: from design to analysis”

Teaching assistantships

- Spring 2016* **Guest lecturer & teaching assistant** Physiological Diversity of Prokaryotes lab (MICRO551) at U. of Wisconsin-Madison

- Spring 2015* **Teaching assistant** Biology of Microorganisms (MICRO303) at U. of Wisconsin-Madison
- Fall 2012* **Guest lecturer & teaching assistant** Physiology of Microorganisms (MICRO526) at U. of Wisconsin-Madison
- Spring 2011* **Course assistant** Genetics lab (BIOL311) *and* Organic Chemistry II lab (CHEM251) at U. of Puget Sound
- Fall 2010* **Course assistant** Organic Chemistry I lab (CHEM250) at U. of Puget Sound
- Spring 2010* **Course assistant** Organic Chemistry II lab (CHEM251) at U. of Puget Sound
- Fall 2009* **Course assistant** General Chemistry I lab (CHEM110) *and* Unity of Life: cells, molecules, and systems lab (BIOL111) at U. of Puget Sound
- Spring 2009* **Course assistant** Integrated Chemical Principles and Analytical Chemistry lab (CHEM230) at U. of Puget Sound

MENTORING

U. of British Columbia

- 2018-present* Nolan Shelley (graduate TA). Botany PhD student, U. of British Columbia
- 2018-present* Yue Liu (graduate TA). Applied Mathematics MS student, U. of British Columbia
- 2018-present* Mohammad Najjarzadegan (graduate [CIRTL Teaching-as-Research](#)). Electronics, Circuits and Systems PhD student, U. of British Columbia
- 2018* David Yin (undergraduate TA). Computer Science and Statistics undergraduate, U. of British Columbia
- 2018* Jonah Lin (undergraduate CPSC448 Directed studies). BS Computer Science and Microbiology & Immunology, U. of British Columbia. Now pursuing MS programs in microbiology
- 2017-2018* Lisa McEwen (graduate TA). PhD Medical Genetics, U. of British Columbia. Now Data Consultant in Clinical Analytics, Vancouver Island Health Authority
- 2017-2018* Kris Hong (undergraduate TA). BS Statistics, U. of British Columbia. Now PhD student.
- 2017-2018* Julia Beni (visiting graduate TA). Environmental Engineering PhD candidate, U. of Minnesota-Twin Cities

U. of Wisconsin-Madison

- 2012-2017* Mentored students and collaborators in sequencing setup and analysis.
Animal/Dairy science: Elif Günal, Megan Kulow, Stephanie Metzger, Xiaoxia Dai
Entomology: Rachel Arango
Population Health: Shannah Eggers
Surgery: Sharon Tang
Veterinary Medicine: Austin Zeng, Katie Neil, Kelly Anklam
- 2015-2017* Madison Cox (graduate). Microbiology PhD candidate, U. of Wisconsin-Madison
- 2015-2017* Andrew Steinberger (undergraduate/graduate). BS Microbiology, U. of Wisconsin-Madison. Now Microbiology PhD candidate, U. of Wisconsin-Madison
- 2015-2016* Camila Cunha (visiting graduate). PhD Animal Science, Universidade Federal de Viçosa, Viçosa, Brazil.

- 2015-2016 Juliana Dias (visiting graduate). PhD Animal Science, Universidade Federal de Viçosa, Viçosa, Brazil. Now postdoctoral researcher, Embrapa, Brasil
- 2014-2015 Zoe Papalia-Beatty (high school) Youth Apprenticeship Program in Biotechnology, U. of Wisconsin-Madison. Now undergraduate in Environmental Public Health, U. of Wisconsin-Eau Claire
- 2012-2013 Amy Speich (undergraduate). BS Food Science, U. of Wisconsin-Madison. Now Quality Control Laboratory Technician at Agropur Ingredients
- 2012 Sonia Chris-Ukah (REU undergraduate). BS Biology, U. of Wisconsin-Oshkosh. MS Biomedical Sciences, U. of Toledo Medical Center. Now Physician Assistant at Center for Pain Management

PUBLICATIONS**first authors †corresponding author(s)*

19. Kehoe SI[†], **Dill-McFarland KA**, Breaker JD, Suen G. 2019. Effects of corn silage inclusion in pre-weaned calf diets. *J Dairy Sci* *In press*
18. Carroll C, Olsen KD, **Dill-McFarland KA**, Suen G, Robinson TF, Chaston JM. 2018. Bacterial communities in the alpaca gastrointestinal tract vary with diet and body site. *Front Microbiol* Epub ahead of print. doi: 10.3389/fmicb.2018.03334
17. **Dill-McFarland KA***, Tang Z*, Kemis JH, Kerby RL, Chen G, Palloni A, Sorenson T, Rey FE[†], Herd P[†]. Close social relationships correlate with human gut microbiota composition. *Sci Rep* *In press*. Preprint doi: <https://doi.org/10.1101/428938>
16. **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* Epub ahead of print. doi: [10.1128/AEM.02141-18](https://doi.org/10.1128/AEM.02141-18)
15. De Wolfe TJ, Eggers S, Barker AK, Kates A, **Dill-McFarland KA**, Suen G, Safdar N. 2018. Oral probiotic combination of *Lactobacillus* and *Bifidobacterium* alters the gastrointestinal microbiota during antibiotic treatment for *Clostridium difficile* infection. *PLoS One* 13(9): e0204253. doi: [10.1371/journal.pone.0204253](https://doi.org/10.1371/journal.pone.0204253)
14. Cunha CS, Marcondes MI, Veloso CM, Mantovani HC, Pereira LGR, Tomich TR, **Dill-McFarland KA**[†], Suen G[†]. 2018. Compositional and structural dynamics of the ruminal microbiota in dairy heifers and its relationship to methane production. *J Sci Food Agric* 99(1): 210-18. doi: [10.1002/jsfa.9162](https://doi.org/10.1002/jsfa.9162)
13. Romano KA, **Dill-McFarland KA**, Kasahara K, Kerby RL, Vivas EI, Amador-Noguez D, Herd P, Rey FE. 2018. Fecal Aliquot Straw Technique (FAST) allows for easy and reproducible subsampling: Assessing interpersonal variation in trimethylamine-*N*-oxide (TMAO) accumulation. *Microbiome* 6(1): 91. doi: [10.1186/s40168-018-0458-8](https://doi.org/10.1186/s40168-018-0458-8)
12. Dias J, Marcondes MI, de Souza SM, da Mata BC, Noronha MF, Resende RT, Machado FS, Mantovani HC, **Dill-McFarland KA**[†], Suen G[†]. 2018. Bacterial community dynamics across the gastrointestinal tracts of dairy calves during preweaning development. *Appl Environ Microbiol* 84(9): e02675-17. doi: [10.1128/AEM.02675-17](https://doi.org/10.1128/AEM.02675-17)
11. Williams CL, **Dill-McFarland KA**, Sparks DL, Kouba AJ, Willard ST, Suen G, Brown AE. 2018. Dietary changes during weaning shape the gut microbiota of red pandas (*Ailurus fulgens*). *Conserv Physiol* 6(1): cox075. doi: [10.1093/conphys/cox075](https://doi.org/10.1093/conphys/cox075)
10. Cunha CS, Veloso CM, Marcondes MI, Mantovani HC, Tomich TR, Pereira LGR, Ferreira MF, **Dill-McFarland KA**[†], Suen G[†]. 2017. Assessing the impact of rumen microbial communities on methane emissions and production traits in Holstein cows in a tropical climate. *Syst Appl Microbiol* 40(8): 492-99. doi: [10.1016/j.syapm.2017.07.008](https://doi.org/10.1016/j.syapm.2017.07.008)

9. Dai X, Weimer PJ, **Dill-McFarland KA**, Brandao VL, Suen G, Faciola AP. 2017. Camelina seed supplementation at two dietary fat levels changes ruminal bacterial community composition in a dual-flow continuous culture system. *Front Microbiol* 8: 2147. doi: [10.3389/fmicb.2017.02147](https://doi.org/10.3389/fmicb.2017.02147)
 8. Vogt NM, Kerby RL, **Dill-McFarland KA**, Harding SJ, Merluzzi AP, Johnson SC, Carlsson CM, Asthana S, Zetterberg H, Blennow K, Bendlin BB[†], Rey FE[†]. 2017. Gut microbiome alterations in Alzheimer's disease. *Sci Rep* 7(1): 13537. doi: [10.1038/s41598-017-13601-y](https://doi.org/10.1038/s41598-017-13601-y)
 7. Dias J, Marcondes MI, Noronha MF, Resende RT, Machado FS, Mantovani HC, **Dill-McFarland KA**[†], Suen G[†]. 2017. Effect of pre-weaning diet on the ruminal archaeal, bacterial, and fungal diversity of dairy calves. *Front Microbiol* 8: 1553. doi: [10.3389/fmicb.2017.01553](https://doi.org/10.3389/fmicb.2017.01553)
 6. **Dill-McFarland KA**, Breaker JD, Suen G. 2017. Microbial succession in the gastrointestinal tract of dairy cows from 2 weeks to first lactation. *Sci Rep* 7: 40864. doi: [10.1038/srep40864](https://doi.org/10.1038/srep40864)
 5. Jetté ME, **Dill-McFarland KA**, Hanshew AS, Suen G, Thibeault SL. 2016. The human laryngeal microbiome: effects of cigarette smoke and reflux. *Sci Rep* 6: 35882. doi: [10.1038/srep35882](https://doi.org/10.1038/srep35882)
 4. Williams CL^{*}, **Dill-McFarland KA**^{*}, Vandeweghe MW, Sparks DL, Willard ST, Kouba AJ, Suen G[†], Brown AE[†]. 2016. Dietary shifts may trigger dysbiosis and mucous stools in giant pandas (*Ailuropoda melanoleuca*). *Front Microbiol* 7: 661. doi: [10.3389/fmicb.2016.00661](https://doi.org/10.3389/fmicb.2016.00661)
- **Microbiome Digest's Best Microbiome Paper 2016*
3. **Dill-McFarland KA**, Weimer PJ, Pauli JN, Peery MZ, and Suen G. 2016. Diet specialization selects for an unusual and simplified gut microbiota in two- and three-toed sloths. *Environ Microbiol* 18(5): 1391-402. doi: [10.1111/1462-2920.13022](https://doi.org/10.1111/1462-2920.13022)
 2. **Dill-McFarland KA**, Suen G, Carey HV. 2016. Spotlight: Bears arouse interest in microbiota's role in health. *Trends Microbiol* 24(4): 245-6. doi: [10.1016/j.tim.2016.01.011](https://doi.org/10.1016/j.tim.2016.01.011)
 1. **Dill-McFarland KA**, Neil KL, Zeng A, Sprenger RJ, Kurtz CC, Suen G[†], Carey HV[†]. 2014. Hibernation alters diversity & composition of mucosa-associated bacteria while enhancing antimicrobial defence in the gut of 13-lined ground squirrels. *Mol Ecol* 23(18): 4658-69. doi: [10.1111/mec.12884](https://doi.org/10.1111/mec.12884)

PUBLICATIONS (submitted)

1.

SERVICE

- 2015-present** Reviewer Appl Environ Microbiol, Environ Microbiol, FEMS Microbiol Lett, Integr Comp Bio, ISME J, Microb Ecol, PLoS One, Sci Data, and others
- 2019** Convener "Incorporating data science into undergraduate microbiology education" at ASM Microbe 2019
- 2018-present** Faculty of Science data science curriculum committee at U. of British Columbia
- 2018** Moderator "Integrating microbial ecology into the management of threatened wildlife" at ASM Microbe 2018
- 2018** Undergraduate Research Symposium committee in Microbiology & Immunology at U. of British Columbia
- 2017** Convener "Conserving wild microbiomes: microbial contributions to the survival of endangered species" at ASM Microbe 2017

- 2013-2017 Graduate/postdoc representative for Delta Program at U. of Wisconsin-Madison
- 2017 Graduate school panel at U. of Wisconsin-Whitewater
- 2015 Online textbook reviewer for Macmillan New Ventures
- 2015 Microbiology Doctoral Training Program admissions committee at U. of Wisconsin-Madison
- 2014 Science Olympiad Badger Invitational Tournament workshop leader
- 2012-2014 Microbiology Doctoral Training Program recruitment committee at U. of Wisconsin-Madison
- 2012, 2013 Pre-college Enrichment Opportunity Program for Learning Excellence (PEOPLE) workshop leader
- 2011 Phi Sigma Biological Sciences Honor Society symposium chair
- 2010-2015 Online content reviewer for Cengage Learning: Aplia

FUNDING (selected)

- 2019 U. of British Columbia Teaching and Learning Enhancement Fund (TLEF). Experiential Data science for Undergraduate Cross-Disciplinary Education (EDUCE). **Role: Primary writer.** PI: Steven Hallam. Budget: \$145,630, 1yr.
- 2018 U. of British Columbia Skylight Development Grant. Experiential Data science for Undergraduate Cross-Disciplinary Education (EDUCE). **PI: Kim Dill-McFarland.** Budget: \$6,000, 1yr
- 2013 Wisconsin Agricultural Experiment Station (WAES) Hatch Formula Grant. Correlating calf health and development to their associated microbial communities while on differing diet. **Role: Writer and contributor.** PI: Garret Suen. Budget: \$105,426, 3yr
- 2012 NSF Graduate Research Fellowships Program (GRFP). Living proximity and its effects on the rumen microbial community. **Role: Primary writer.** PI: Garret Suen. Budget: \$86,000, 2yr. Honorable Mention
- 2010 American Society for Microbiology (ASM) Undergraduate Research Fellowship. Investigating the regulation of *malA* and related genes in the bacterial predator, *Bdellovibrio bacteriovorus*. **Role: Primary writer.** PI: Mark Martin. Budget: \$5,000, 10wk
- 2009 U. of Puget Sound University Enrichment Committee. Investigating the role of *malF* and *malA* in *Bdellovibrio bacteriovorus*' genome in maltose metabolism and the predatory lifestyle. **Role: Primary writer.** PI: Mark Martin. Budget: \$500
- 2009 American Society for Microbiology (ASM) Undergraduate Research Fellowship. Investigating the role of the *malF* and *malA* regions of *Bdellovibrio bacteriovorus*' genome in maltose metabolism and the predatory lifestyle. **Role: Primary writer.** PI: Mark Martin. Budget: \$4,500, 10wk

Conference attendance and travel

- 2017 U. of Wisconsin System's Women and Science Program through NSF ADVANCE: \$188
- 2016 Center for Integration of Research, Teaching, and Learning (CIRTL): \$943
- 2016 International Society for Microbial Ecology (ISME): €300
- 2016 Federation of European Microbiological Societies (FEMS): €300
- 2014, 2016 Vilas Conference Presentation Funds: \$600, \$1,200

2014, 2015, 2016 Bacteriology Department at U. of Wisconsin-Madison: \$500, \$500, \$1,000
2013 American Dairy Science Association (ADSA): \$250
2009, 2010, American Society for Microbiology (ASM): \$500, \$1000, \$500, \$500
2013, 2018

INVITED TALKS (selected)

Teaching

Dill-McFarland KA. 2018. Experiential Data science for Undergraduate Cross-disciplinary Education (EDUCE). Jupyter Day at U. of British Columbia, Vancouver, BC, Canada

Dill-McFarland KA, Cary T, Jakuba C, Jenkins K. 2016. "Exploring Biology" freshmen interest group as a high-impact practice for retaining students in STEM. Center for the Integration of Research, Teaching, and Learning (CIRTL) at U. of California, San Diego. La Jolla, CA, USA

Research

Dill-McFarland KA, Herd P, Rey FE. 2017. Social interactions and the human gut microbiota. Population Health Sciences at U. of Wisconsin-Madison, Madison, WI, USA.

Dill-McFarland KA, Rey FE, Herd P. 2017. Early- vs. late-life determinants of the human gut microbiota. U. of Wisconsin System's postdoctoral seminar series through NSF ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers. Oshkosh, WI, USA.

Dill-McFarland KA, Herd P, Rey FE. 2016. Early- vs. late-life contributions to the human gut microbiota. Biological Sciences at U. of California, San Diego. La Jolla, CA, USA.

Dill-McFarland KA, Pauli JN, Peery MZ, Suen G. 2016. Microbe-cycling between tree sloths and their symbiotic moths. San Diego Zoo: Institute for Conservation Research Seminar Series. Escondido, CA, USA.

Dill-McFarland KA, Weimer PJ, Pauli JN, Peery MZ, Suen G. 2016. Gut microflora of two- and three-toed sloths. Participatory Learning and Teaching Organization (PLATO) Frontiers in Life Sciences. Madison, WI, USA

Dill-McFarland KA, Suen G. 2015. Impact of the ruminal microbiota on development of the pre-ruminant calf. V Simleite (milk) at Universidade Federal de Viçosa, Viçosa, Brazil

Dill-McFarland KA, Pauli JN, Peery MZ, Suen G. (2015) Using mixed amplicon sequencing to investigate tree sloths and their multi-kingdom symbionts. Illumina webinar. Online.

Dill-McFarland KA, Pauli JN, Peery MZ, Weimer PJ, Suen G. 2015. Microbe-cycling in tree sloths facilitated by pyralid moths. American Society for Microbiology (ASM) General Meeting. New Orleans, LA, USA.

POSTER PRESENTATIONS (selected)

Teaching

Dill-McFarland KA, Beni JW, Hallam SJ. 2018. Flexible and progressive undergraduate data science education. American Society for Microbiology (ASM) Microbe Meeting. Atlanta, GA, USA.

Dill-McFarland KA, Hallam SJ. 2018. EDUCE: Experiential Data science for Undergraduate Cross-disciplinary Education. U. of British Columbia Teaching Learning Enhancement Fund (TLEF) Showcase. Vancouver, BC, Canada.

Dill-McFarland KA, Beni JW, Hallam SJ. 2017. Experiential Data science for Undergraduate Cross-disciplinary Education (EDUCE). U. of British Columbia Teaching with Technology Showcase. Vancouver, BC, Canada.

Dill-McFarland KA, Cary T, Jakuba C, Jenkins K. 2015. "Exploring Biology" FIG: a high-impact practice for retaining students in STEM. Center for the Integration of Research, Teaching, and Learning (CIRTL) National Forum. College Station, TX, USA

Research

Dill-McFarland KA, Herd P, Rey FE. 2017. Relationships and social interactions shape the human gut microbiota. American Society for Microbiology (ASM) Microbe Meeting. New Orleans, LA, USA

Dill-McFarland KA, Kehoe SI, Weimer PJ, Suen G. 2016. Impact of diet on development of the gastrointestinal tract and its associated microbiota in dairy calves. International Society for Microbial Ecology (ISME). Montreal, QC, Canada.

Dill-McFarland KA, Kehoe SI, Weimer PJ, Suen G. 2016. Impact of diet on development of the gastrointestinal tract and its associated microbiota in dairy calves. INRA-Rowett Symposium on Gut Microbiology. Clermont-Ferrand, France

Dill-McFarland KA, Pauli JN, Peery MZ, Weimer PJ, Suen G. 2014. Wild two- and three-toed sloths possess unique gut microbiotas characterized by low diversity and a highly abundant *Neisseria*. International Society for Microbial Ecology (ISME). Seoul, South Korea.

Dill-McFarland KA, Kehoe SI, Suen G. 2014. Diet effects on the dairy cow gut bacterial community from birth to lactation. American Society for Microbiology (ASM) General Meeting. Boston, MA, USA

Dill-McFarland KA, Speich A, Suen G. 2013. Correlating dairy calf health and development to their gut microbial communities while on differing diets. American Society for Microbiology (ASM) General Meeting. Denver, CO, USA

PROFICIENCIES

Unix
R
Python
Git
mothur
QIIME

PROFESSIONAL MEMBERSHIPS

American Society for Microbiology (ASM)
International Society for Microbial Ecology (ISME)

MISCELLANEOUS

Half-marathon runner
PADI open water diver
Beginning sailor, Madison Hoofers