



Dominick Faith

Postdoctoral Scholar, Infectious Diseases

 Curriculum Vitae available Online

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Montana State University , Microbiology and Cell Biology (2026)
- Bachelor of Science, Montana State University , Cell Biology and Neuroscience (2019)

STANFORD ADVISORS

- Paul Bollyky, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **A prophage-encoded sRNA limits phage infection of adherent-invasive *E. coli*.** *PLoS pathogens*
Pershing, N. L., Brzozowski, R. S., Schmidt, A. K., Faith, D. R., Joyce, A. C., de Ora, L. O., Kominsky, J. D., Dankwardt, A., Maciver, A., Bell, R., Henriques, W. S., Andersen, S. E., Wiedenheft, et al
2026; 22 (1): e1013836
- **Phage reprogramming of *Pseudomonas aeruginosa* amino acid metabolism drives efficient phage replication.** *mBio*
Fitzpatrick, A. D., Taylor, V. L., Patel, P. H., Faith, D. R., Secor, P. R., Maxwell, K. L.
2025; 16 (3): e0246624
- **Targeted deletion of Pf prophages from diverse *Pseudomonas aeruginosa* isolates has differential impacts on quorum sensing and virulence traits.** *Journal of bacteriology*
Schmidt, A. K., Schwartzkopf, C. M., Pourtois, J. D., Burgener, E. B., Faith, D. R., Joyce, A., Lamma, T., Kumar, G., Bollyky, P. L., Secor, P. R.
2024: e0040223
- **Characterization and genomic analysis of the Lyme disease spirochete bacteriophage ϕ BB-1.** *PLoS pathogens*
Faith, D. R., Kinnersley, M., Brooks, D. M., Drecktrah, D., Hall, L. S., Luo, E., Santiago-Frangos, A., Wachter, J., Samuels, D. S., Secor, P. R.
2024; 20 (4): e1012122
- **Inhibition of PQS signaling by the Pf bacteriophage protein PfsE enhances viral replication in *Pseudomonas aeruginosa*.** *Molecular microbiology*
Schwartzkopf, C. M., Taylor, V. L., Groleau, M. C., Faith, D. R., Schmidt, A. K., Lamma, T. L., Brooks, D. M., Déziel, E., Maxwell, K. L., Secor, P. R.
2024; 121 (1): 116-128
- **Polyamines and linear DNA mediate bacterial threat assessment of bacteriophage infection.** *Proceedings of the National Academy of Sciences of the United States of America*
de Mattos, C. D., Faith, D. R., Nemudryi, A. A., Schmidt, A. K., Bublitz, D. C., Hammond, L., Kinnersley, M. A., Schwartzkopf, C. M., Robinson, A. J., Joyce, A., Michaels, L. A., Brzozowski, R. S., Coluccio, et al
2023; 120 (9): e2216430120
- **Tripartite interactions between filamentous Pf4 bacteriophage, *Pseudomonas aeruginosa*, and bacterivorous nematodes.** *PLoS pathogens*

Schwartzkopf, C. M., Robinson, A. J., Ellenbecker, M., Faith, D. R., Schmidt, A. K., Brooks, D. M., Lewerke, L., Voronina, E., Dandekar, A. A., Secor, P. R.

2023; 19 (2): e1010925

- **PIC1 thieves: Molecular piracy and cooperation.** *Cell host & microbe*

Schmidt, A. K., Faith, D. R., Secor, P. R.

2023; 31 (1): 3-5

- **Complete Genome Sequence of the N4-like Pseudomonas aeruginosa Bacteriophage vB_PaeP_CMS1.** *Microbiology resource announcements*

Faith, D., Kinnersley, M., Schwartzkopf, C. M., de Mattos, C. D., Schmidt, A. K., Secor, P. R.

2022; 11 (7): e0023922

- **A Filamentous Bacteriophage Protein Inhibits Type IV Pili To Prevent Superinfection of Pseudomonas aeruginosa.** *mBio*

Schmidt, A. K., Fitzpatrick, A. D., Schwartzkopf, C. M., Faith, D. R., Jennings, L. K., Coluccio, A., Hunt, D. J., Michaels, L. A., Hargil, A., Chen, Q., Bollyky, P. L., Dorward, D. W., Wachter, et al

1800: e0244121

- **Bacteriophage-Bacteria Interactions in the Gut: From Invertebrates to Mammals.** *Annual review of virology*

Kirsch, J. M., Brzozowski, R. S., Faith, D., Round, J. L., Secor, P. R., Duerkop, B. A.

2021; 8 (1): 95-113

- **Structure Reveals a Mechanism of CRISPR-RNA-Guided Nuclease Recruitment and Anti-CRISPR Viral Mimicry.** *Molecular cell*

Rollins, M. F., Chowdhury, S., Carter, J., Golden, S. M., Miettinen, H. M., Santiago-Frangos, A., Faith, D., Lawrence, C. M., Lander, G. C., Wiedenheft, B.

2019; 74 (1): 132-142.e5