



Qingquan Chen

Postdoctoral Scholar, Infectious Diseases

Bio

STANFORD ADVISORS

- Paul Bollyky, Postdoctoral Research Mentor
- Paul Bollyky, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Filamentous bacteriophage delays healing of Pseudomonas-infected wounds.** *Cell reports. Medicine*
Bach, M. S., de Vries, C. R., Khosravi, A., Sweere, J. M., Popescu, M. C., Chen, Q., Demirdjian, S., Hargil, A., Van Belleghem, J. D., Kaber, G., Hajfathalian, M., Burgener, E. B., Liu, et al
2022; 3 (6): 100656
- **Filamentous Bacteriophage Delay Healing Of Pseudomonas-Infected Wounds**
Khosravi, A., Bach, M. S., de Vries, C. R., Sweere, J. M., Popescu, M., Chen, Q., Hargil, A., Van Belleghem, J. D., Kaber, G., Burgener, E. B., Liu, D., Quynh-Lam Tran, Dharmaraj, T., et al
WILEY.2022: A27
- **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
- **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
2022; 13 (1)
- **The Safety and Toxicity of Phage Therapy: A Review of Animal and Clinical Studies.** *Viruses*
Liu, D., Van Belleghem, J. D., de Vries, C. R., Burgener, E., Chen, Q., Manasherob, R., Aronson, J. R., Amanatullah, D. F., Tamma, P. D., Suh, G. A.
2021; 13 (7)
- **Filamentous Bacteriophages and the Competitive Interaction between Pseudomonas aeruginosa Strains under Antibiotic Treatment: a Modeling Study.** *mSystems*
Pourtois, J. D., Kratochvil, M. J., Chen, Q., Haddock, N. L., Burgener, E. B., De Leo, G. A., Bollyky, P. L.
2021: e0019321
- **N-Acetyl cysteine abrogates silver-induced reactive oxygen species in human cells without altering silver-based antimicrobial activity** *TOXICOLOGY LETTERS*
Shah, K. N., Shah, P. N., Mullen, A. R., Chen, Q., Southerland, M. R., Chirra, B., DeBerardinis, R. J., Cannon, C. L.
2020; 332: 118–29

- **Phages in vaccine design and immunity; mechanisms and mysteries.** *Current opinion in biotechnology*
de Vries, C. R., Chen, Q. n., Demirdjian, S. n., Kaber, G. n., Khosravi, A. n., Liu, D. n., Van Belleghem, J. D., Bollyky, P. L.
2020; 68: 160–65
- **Pf Bacteriophage and Their Impact on Pseudomonas Virulence, Mammalian Immunity, and Chronic Infections.** *Frontiers in immunology*
Secor, P. R., Burgener, E. B., Kinnersley, M. n., Jennings, L. K., Roman-Cruz, V. n., Popescu, M. n., Van Belleghem, J. D., Haddock, N. n., Copeland, C. n., Michaels, L. A., de Vries, C. R., Chen, Q. n., Pourtois, et al
2020; 11: 244
- **Pyoverdine-Dependent Virulence of Pseudomonas aeruginosa Isolates From Cystic Fibrosis Patients** *FRONTIERS IN MICROBIOLOGY*
Kang, D., Revtovich, A., Chen, Q., Shah, K. N., Cannon, C. L., Kirienko, N.
2019; 10: 2048
- **Minocycline and Silver Dual-Loaded Polyphosphoester-Based Nanoparticles for Treatment of Resistant Pseudomonas aeruginosa** *MOLECULAR PHARMACEUTICS*
Chen, Q., Shah, K. N., Zhang, F., Salazar, A. J., Shah, P. N., Li, R., Sacchettini, J. C., Wooley, K. L., Cannon, C. L.
2019; 16 (4): 1606–19
- **Antimicrobial Activity of Ibuprofen against Cystic Fibrosis-Associated Gram-Negative Pathogens** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*
Shah, P. N., Marshall-Batty, K. R., Smolen, J. A., Tagaev, J. A., Chen, Q., Rodesney, C. A., Le, H. H., Gordon, V. D., Greenberg, D. E., Cannon, C. L.
2018; 62 (3)