Reviews Used in Preparing the April 2023 Protein Society Newsletter Article "Taking One for the Team To Defeat Rider #4 of the Apocalypse: Tackling Microbial Multi-Drug Resistance" by Chuck Sanders

Antibiotics: past, present and future (2019) *Current Opinion in Microbiology* **51**, 72-80. Hutching-MI, Truman-AW, and Wilkinson-Barrie

Thinking outside the box—novel antibacterials to tackle the resistance crisis. (2018) *Angewandte Chemie Int. Ed.* **57,** 14440-14475 Lakemeyer-M, Zhao-W, Mandl-FA, Hammann-P, and Sieber-SA

Prospects for new antibiotics: a molecule-centered prospective. (2014) *Journal of Antibiotics* **67,** 7-22. Walsh-CT and Wencewicz-TA.

Drugs for bad bugs confronting the challenges of antibacterial discovery. (2007) *Nature Reviews of Drug Dicovery* **6,** 29-40. Payne-DJ, Gwynn-MN, Holmes-DJ, and Pompliano-DL

Next generation approaches to understand and combat the antibiotics resistome. (2017) *Nature Reviews of Microbiology* **15**, 422-434. Crofts-GS, Gasparrini-AJ, and Danta-G.

Molecular mechanisms of antibiotic resistance revisited (2023) *Nature Reviews of Microbiology (in presss)* doi: 10.1038/s41579-022-00820-y
Darby-EM, Trampari-E, Siasat-P, Solsone Gaya-M, Alav-I, Webber-MA, and Blair-JMA

Fighting antibiotic resistance—strategies and (pre)clinical developments to find new antibacterials. (2023) *EMBO Reports* **24**, e56033 Walesch-S, Birkelbach-J, Jezequel-G, Haeckl-FPJ, Hegmann-JD, Hesterkamp-T, Hirsch-AKH, Hammann-P, and Muller-R

Stress-induced mutagenesis, gambler cells, and stealth targeting antibiotic-induced evolution. (2022) *mBio* **10.1128/mBio.01074-22** Pribis-J, Zhai-Y, Hastings-PJ, and Rosenberg-SM

Targeting evolution to inhibit antibiotic resistance. (2020) *FEBS Journal* **287,** 4341-5353. Merrikh-H and Kohli-RM