



Jessica Abbey Klein

Postdoctoral Research Fellow, Infectious Diseases

Bio

HONORS AND AWARDS

- Walter V. and Idun Berry Postdoctoral Fellow, Stanford University (2019)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Washington State University , Immunology & Infectious Diseases (2018)
- Bachelor of Science, University of Washington (2011)

STANFORD ADVISORS

- Manuel Amieva, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **High-resolution mapping reveals that microniches in the gastric glands control *Helicobacter pylori* colonization of the stomach** *PLOS BIOLOGY*
Fung, C., Tan, S., Nakajima, M., Skoog, E. C., Camarillo-Guerrero, L., Klein, J. A., Lawley, T. D., Solnick, J. V., Fukami, T., Amieva, M. R.
2019; 17 (5)
- **Controlled Activity of the Salmonella Invasion-Associated Injectisome Reveals Its Intracellular Role in the Cytosolic Population.** *mBio*
Klein, J. A., Grenz, J. R., Schlauch, J. M., Knodler, L. A.
2017; 8 (6)
- **Functional relatedness in the Inv/Mxi-Spa type III secretion system family.** *Molecular microbiology*
Klein, J. A., Dave, B. M., Raphenya, A. R., McArthur, A. G., Knodler, L. A.
2017; 103 (6): 973–91
- **Measurement of Salmonella enterica Internalization and Vacuole Lysis in Epithelial Cells.** *Methods in molecular biology (Clifton, N.J.)*
Klein, J. A., Powers, T. R., Knodler, L. A.
2017; 1519: 285–96
- **The type III secretion system apparatus determines the intracellular niche of bacterial pathogens.** *Proceedings of the National Academy of Sciences of the United States of America*
Du, J., Reeves, A. Z., Klein, J. A., Twedt, D. J., Knodler, L. A., Lesser, C. F.
2016; 113 (17): 4794–99
- **Intracellular accumulation dynamics and fate of zinc ions in alveolar epithelial cells exposed to airborne ZnO nanoparticles at the air-liquid interface.** *Nanotoxicology*
Mihai, C., Chrisler, W. B., Xie, Y., Hu, D., Szymanski, C. J., Tolic, A., Klein, J. A., Smith, J. N., Tarasevich, B. J., Orr, G.
2015; 9 (1): 9–22

- **Vaccination with a UV-irradiated genetically attenuated mutant of *Staphylococcus aureus* provides protection against subsequent systemic infection.** *The Journal of infectious diseases*
Burnside, K., Lembo, A., Harrell, M. I., Klein, J. A., Lopez-Guisa, J., Siegesmund, A. M., Torgerson, T. R., Oukka, M., Molina, D. M., Rajagopal, L.
2012; 206 (11): 1734–44