Stanford



Rauf Salamzade

Postdoctoral Scholar, Infectious Diseases

Bio

PROFESSIONAL EDUCATION

- Bachelor of Science, University of California Santa Cruz (2014)
- Doctor of Philosophy, University of Wisconsin Madison (2025)
- Ph.D, University of Wisconsin - Madison , Microbiology (2025)
- B.S., University of California, Santa Cruz , Bioinformatics with minor in Computer Science (2014)

STANFORD ADVISORS

- David Relman, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Complex multicellularity is linked with expanded specialized metabolite production in microorganisms.** *Nature microbiology*
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- **Large-scale investigation for antimicrobial activity reveals newly-identified defensive species across the healthy skin microbiome.** *Nature communications*
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- **Evolutionary investigations of the biosynthetic diversity in the skin microbiome using lsaBGC.** *Microbial genomics*
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- **Inter-species geographic signatures for tracing horizontal gene transfer and long-term persistence of carbapenem resistance** *GENOME MEDICINE*
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- **Novelty, diversity, and genetic dark matter in enterococci of invertebrates.** *mBio*
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- **Combined metagenomic- and culture-based approaches to investigate bacterial strain-level associations with medication-controlled mild-moderate atopic dermatitis** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY: GLOBAL*
  Starr, N., Al-Rayyan, N., Smith, J. M., Sandstrom, S., Swaney, M., Salamzade, R., Steidl, O., Kalan, L. R., Singh, A.
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- **Global diversity of enterococci and description of 18 previously unknown species.** *Proceedings of the National Academy of Sciences of the United States of America*
  Schwartzman, J. A., Lebreton, F., Salamzade, R., Shea, T., Martin, M. J., Schaufler, K., Urhan, A., Abeel, T., Camargo, I. L., Sgardioli, B. F., Prichula, J., Guedes Frazzon, A. P., Giribet, et al
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- **Comparative Genomic and Metagenomic Investigations of the Corynebacterium tuberculostearicum Species Complex Reveals Potential Mechanisms Underlying Associations To Skin Health and Disease** *MICROBIOLOGY SPECTRUM*
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