Stanford

Richard Grewelle

Postdoctoral Scholar, Genetics

Bio

HONORS AND AWARDS

- Samuel Karlin Prize in Mathematical Biology, Stanford University (2021)
- ARCS Fellowship, Stanford University (2020-2021)
- Stanford Graduate Fellowship, Stanford University (2016-2019)

PROFESSIONAL EDUCATION

- Bachelor of Science, University of Kentucky , Biology, Math, Chemistry (2016)
- Doctor of Philosophy, Stanford University , BIO-PHD (2022)
- B.S. Hons, University of Kentucky , Chemistry (2016)
- B.S. Hons, University of Kentucky , Mathematics (2016)
- B.S. Hons, University of Kentucky , Biology (2016)

STANFORD ADVISORS

- John Pringle, Postdoctoral Faculty Sponsor

LINKS

- Research Site: https://richardgrewelle.su.domains/

Publications

PUBLICATIONS

- **Aromatase inhibitor-induced arthralgia ameliorated by Mediterranean diet and active lifestyle guided by continuous glucose monitoring: a case report and review of the literature.** *Frontiers in oncology*
  Wilson, K. L., Grewelle, R. E., Gupta, T., Kim, S. H., Katsumoto, T. R.
  2024; 14: 1189287

- **Molecular and morphological confirmation of Profilicollis altmani as the cause of acanthocephalan peritonitis in California sea otters (Enhydra lutris nereis)** *International Journal for Parasitology: Parasites and Wildlife*
  Grewelle, R. E., Greenwald, K., Young, C., Miller, M.
  2023

- **Data-poor ecological risk assessment of multiple stressors** *Ecological Informatics*
  Grewelle, R. E., Mansfield, E., Micheli, F., De Leo, G.
  2023

- **Modeling the efficacy of CRISPR gene drive for snail immunity on schistosomiasis control.** *PLoS neglected tropical diseases*

Grewelle, R. E., Perez-Saez, J., Tycko, J., Namigai, E. K., Rickards, C. G., De Leo, G. A.
2022; 16 (10): e0010894

- **Statistical Bliss: A novel framework for statistical assessment of drug synergy.**
  Grewelle, R. E., Wilson, K. L., Brantley-Sieders, D. M.
  AMER ASSOC CANCER RESEARCH.2021

- **Redefining risk in data-poor fisheries** *FISH AND FISHERIES*
  Grewelle, R. E., Mansfield, E., Micheli, F., De Leo, G.
  2021

- **Models with environmental drivers offer a plausible mechanism for the rapid spread of infectious disease outbreaks in marine organisms.** *Scientific reports*
  Aalto, E. A., Lafferty, K. D., Sokolow, S. H., Grewelle, R. E., Ben-Horin, T., Boch, C. A., Raimondi, P. T., Bograd, S. J., Hazen, E. L., Jacox, M. G., Micheli, F., De Leo, G. A.
  2020; 10 (1): 5975

- **Estimating the Global Infection Fatality Rate of COVID-19**
  Grewelle, R. E., De Leo, G. A.
  MedRxiv.
  2020

- **Larger viral genome size facilitates emergence of zoonotic diseases**
  Grewelle, R. E.
  BioRxiv.
  2020

- **Gene drives for schistosomiasis transmission control.** *PLoS neglected tropical diseases*
  Maier, T. n., Wheeler, N. J., Namigai, E. K., Tycko, J. n., Grewelle, R. E., Woldeamanuel, Y. n., Klohe, K. n., Perez-Saez, J. n., Sokolow, S. H., De Leo, G. A., Yoshino, T. P., Zamanian, M. n., Reinhard-Rupp, et al
  2019; 13 (12): e0007833

- **COMPUTER VISION AND MACHINE LEARNING ENABLE ENVIRONMENTAL DIAGNOSTICS FOR TARGETING SCHISTOSOMIASIS CONTROL**
  Sokolow, S., Liu, Z., Chamberlin, A., Le Boa, C., Wood, C., Jones, I., Grewelle, R., De Leo, G.
  AMER SOC TROP MED & HYGIENE.2018: 418

- **The influence of locus number and information content on species delimitation: an empirical test case in an endangered Mexican salamander** *Molecular Ecology*
  Hime, P. M., Hotaling, S., Grewelle, R. E., O'Neill, E. M., Voss, S. R., Shaffer, H. B., Weisrock, D. W.
  2016