Stanford



Robert Siegel

Professor (Teaching) of Microbiology and Immunology

Bio

ACADEMIC APPOINTMENTS

- Professor-Teaching, Microbiology and Immunology
- Affiliate, Stanford Woods Institute for the Environment

HONORS AND AWARDS

- Award for Outstanding Service, American Cancer Society Boulder County (1980)
- Dean's Award for Outstanding Teaching in Human Biology, Stanford University School of Medicine (1990)
- Dean's Award for Outstanding Community Service, Stanford University School of Medicine (1990)
- Peter and Helen Bing Award for Outstanding Teaching, Stanford University (1994)
- Henry J. Kaiser Award for Excellence in Preclinical Teaching, Stanford University School of Medicine (1998)
- Distinguished Teaching Award, Associated Students of Stanford University (2000)
- Henry J. Kaiser Award for Excellence in Preclinical Teaching, Stanford University School of Medicine (2002)
- "Excellence in Teaching" Pin, Stanford School of Medicine (2004)
- Certificate of Appreciation for Community Volunteer Work, Stanford University (2004)
- Award for Excellence in Faculty Advising, Stanford University Program in Human Biology (2006)
- Henry J. Kaiser Award for Excellence in Preclinical Teaching, Stanford University School of Medicine (2006)
- "Leadership in Education" Pin, Stanford University School of Medicine (2008)
- Master Advisor Award - First recipient, Stanford University Program in Human Biology (2008)
- Walter J Gores Award for Excellence in Teaching, Stanford University (2011)

PROFESSIONAL EDUCATION

- M.D., Stanford University , Medicine (1990)
- Ph.D., Univ. of Colorado at Boulder , Molecular Biology (1984)
- M.A., Stanford University , Education (1977)
- B.A., Stanford University , Psychology (1976)

COMMUNITY AND INTERNATIONAL WORK

- In country orientation leader
- Students for International Change, Tanzania

LINKS

- https://web.stanford.edu/~siegelr/: https://web.stanford.edu/~siegelr/
- Personal Web site: https://web.stanford.edu/~siegelr/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My work is primarily involved in medical education and curricular development, especially in the areas of infectious disease, virology, HIV, and molecular biology. Projects included electronic applications to science education, three dimensional model building, service learning, and the development of undergraduate research projects.

Teaching

COURSES

2026-27

- 45 Orders of Birds: MI 175 (Spr)
- Photographing Nature: MI 110 (Win)
- The Vaccine Revolution: MI 115B (Spr)
- Viruses in the News: MI 95N (Win)

2025-26

- 45 Orders of Birds: MI 175 (Spr)
- Photographing Nature: MI 110 (Win)
- The Bizarre Story of Prion Disease: MI 19SC (Sum)
- The Vaccine Revolution: MI 115B (Spr)
- Viruses in the News: MI 95N (Win)

2024-25

- 46 Orders of Birds: MI 175 (Spr)
- Photographing Nature: MI 110 (Win)
- The Vaccine Revolution: MI 115B (Spr)
- Viruses in the News: MI 95N (Win)

2023-24

- 46 Orders of Birds: MI 175 (Spr)
- Climate Crisis Management: MI 160 (Spr)
- Photographing Nature: MI 110 (Win)
- The Vaccine Revolution: MI 115B (Spr)
- Viruses in the News: MI 95N (Win)

STANFORD ADVISEES

Master's Program Advisor

Ike Aguigui, Tipu Barber, Paul Escobar, Ned Fluet, Mark Hendrickson, Miguel Lopez, Heather Weckel

Publications

PUBLICATIONS

- **The efficacy of IL-6 inhibitor Tocilizumab in reducing severe COVID-19 mortality: a systematic review** *PEERJ*
  Kaye, A., Siegel, R.
  2020; 8: e10322

- **Asymptomatic and presymptomatic transmission of SARS-CoV-2: A systematic review.** *medRxiv : the preprint server for health sciences*
  Savvides, C., Siegel, R.
  2020

- **Fatal H1N1-Related Acute Necrotizing Encephalopathy in an Adult.** *Case reports in critical care*
  Lee, Y., Smith, D. S., Rao, V. A., Siegel, R. D., Kosek, J., Glaser, C. A., Flint, A. C.
  2011; 2011: 562516-?

- **Fatal H1N1-Related Acute Necrotizing Encephalopathy in an Adult** *Case Reports in Critical Care*
  Lee, Y., Smith, D. S., Rao, V. A., Siegel, R. D., Kosek, J., Glaser, C. A., Flint, A. C.
  2011; 2011: 4

- **Amantadine in treatment of chronic hepatitis C virus infection?** *JOURNAL OF VIRAL HEPATITIS*
  Lim, J. K., Wooten, D., Siegel, R., Cheung, R. C.
  2005; 12 (5): 445-455