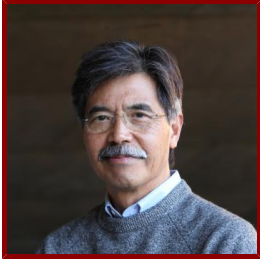


# Stanford

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## Steven Foung

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- **Alternate Contact**

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## Bio

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### CLINICAL FOCUS

- Transfusion Medicine
- Anatomic and Clinical Pathology

### ACADEMIC APPOINTMENTS

- Professor, Pathology

### PROFESSIONAL EDUCATION

- Fellowship: Stanford University Pediatric Hematology Oncology Fellowship (1980) CA
- Internship: Zuckerberg San Francisco General Hospital (1976) CA
- Residency: Stanford University Pediatric Residency at Lucile Packard Children's Hospital (1980) CA
- Fellowship: Stanford University Department of Pathology CA
- Residency: Moffitt Hospital UCSF (1977) CA
- Medical Education: University of California San Diego School of Medicine (1975) CA

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

The focus of the Foung Laboratory is to define immune correlates of protection against hepatitis C virus and other viral pathogens. More specifically, our goal is to define protective humoral immunity to viral pathogens through the isolation, biochemical and functional characterization of broadly neutralizing human or nonhuman primate monoclonal antibodies. Dependent on the pathogen, approaches to isolate these antibodies include yeast surface IgG display or single-cell cloning. These efforts will create high-resolution, functional maps of linear and nonlinear epitopes comprising the major binding sites of both isolate-specific and broadly neutralizing antibodies for rational vaccine design.

## Publications

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- **Design of a native-like secreted form of the hepatitis C virus E1E2 heterodimer.** *Proceedings of the National Academy of Sciences of the United States of America*  
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  - **Viral evasion and challenges of hepatitis C virus vaccine development.** *Current opinion in virology*  
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  - **Affinity maturation of a broadly neutralizing human monoclonal antibody that prevents acute hepatitis C virus infection in mice.** *Hepatology*  
Keck, Z., Wang, Y., Lau, P., Lund, G., Rangarajan, S., Fauvelle, C., Liao, G. C., Holtsberg, F. W., Warfield, K. L., Aman, M. J., Pierce, B. G., Fuerst, T. R., Bailey, et al  
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