

Stanford



Stephen Chang

- Clinical Instructor, Medicine - Cardiovascular Medicine
- Postdoctoral Research Fellow, Biochemistry
- Ph.D. Student in Biochemistry, admitted Summer 2016

CLINICAL OFFICES

- **Stanford Cardiovascular Clinic**

300 Pasteur Dr Rm A21

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Bio

BIO

Prior to a career in medicine, Dr. Chang was an English major and subsequent novelist at night. During the days, he taught literature part-time at Rutgers University, and for extra money, worked in a laboratory in NYC washing test tubes. Inspired by his laboratory mentor, he began volunteering at the hospital next door, and developed a love for interacting with patients. Through this experience, he saw how caring for others could form deep bonds between people - even strangers - and connect us in a way that brings grandeur to ordinary life.

In addition to seeing patients, Dr. Chang is a physician-scientist devoted to advancing the field of cardiovascular medicine. His research has been focused on identifying a new genetic organism that better models human heart disease than the mouse. For this purpose, he has been studying the mouse lemur, the smallest non-human primate, performing cardiovascular phenotyping (vital signs, ECG, echocardiogram) on lemurs both in-bred (in France) and in the wild (in Madagascar) to try to identify mutant cardiac traits that may be heritable - and in the process, characterize the first high-throughput primate model of human cardiac disease.

CLINICAL FOCUS

- Cardiology
- Preventive Cardiology
- Internal Medicine

ACADEMIC APPOINTMENTS

- Clinical Instructor, Medicine - Cardiovascular Medicine

HONORS AND AWARDS

- Advanced Residency Training at Stanford (ARTS) Program, Stanford University School of Medicine (6/2016 - current)
- ASCI-AAP Travel Grant Award, American Society for Clinical Investigation, Association of American Physicians (2011)
- Member, Gold Humanism Honor Society (2008 - current)
- HHMI Medical Research Fellowship, Howard Hughes Medical Institute, National Institutes of Health (2006-2007)
- NHLBI/NIH Summer Research Fellowship, National Institutes of Health (2005)

PROFESSIONAL EDUCATION

- Board Certification, Cardiovascular Disease , American Board of Internal Medicine (2019)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2018)
- Residency: University of Minnesota Internal Medicine Residency (2014) MN
- Fellowship: Stanford University Cardiovascular Medicine Fellowship (2017) CA
- Medical Education: University of Cincinnati College of Medicine Registrar (2009) OH

Publications

PUBLICATIONS

- **Molecular profiling of dilated cardiomyopathy that progresses to heart failure.** *JCI insight*
Burke, M. A., Chang, S., Wakimoto, H., Gorham, J. M., Conner, D. A., Christodoulou, D. C., Parfenov, M. G., Depalma, S. R., Eminaga, S., Konno, T., Seidman, J. G., Seidman, C. E.
2016; 1 (6)
- **5 ' RNA-Seq identifies Fhl1 as a genetic modifier in cardiomyopathy** *JOURNAL OF CLINICAL INVESTIGATION*
Christodoulou, D. C., Wakimoto, H., Onoue, K., Eminaga, S., Gorham, J. M., Depalma, S. R., Herman, D. S., Teekakirikul, P., Conner, D. A., McKean, D. M., Domenighetti, A. A., Aboukhalil, A., Chang, et al
2014; 124 (3): 1364-1370
- **Connexin43 Modulates Cell Polarity and Directional Cell Migration by Regulating Microtubule Dynamics** *PLOS ONE*
Francis, R., Xu, X., Park, H., Wei, C., Chang, S., Chatterjee, B., Lo, C.
2011; 6 (10)
- **Genetics of hypertrophic cardiomyopathy** *CURRENT OPINION IN CARDIOLOGY*
Konno, T., Chang, S., Seidman, J. G., Seidman, C. E.
2010; 25 (3): 205-209