

Stanford



John Openshaw

Instructor, Medicine - Infectious Diseases

CLINICAL OFFICES

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Bio

CLINICAL FOCUS

- Infectious Disease

ACADEMIC APPOINTMENTS

- Instructor, Medicine - Infectious Diseases

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Senior Fellow, Center for Innovation in Global Health (CIGH) at Stanford University School of Medicine (2015 - present)

PROFESSIONAL EDUCATION

- Fellowship, Stanford University Medical Center , Infectious Diseases, Adult (2015)
- Board Certification: Infectious Disease, American Board of Internal Medicine (2013)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2012)
- Residency: Stanford University Medical Center (2011) CA
- Internship: Stanford University Medical Center (2009) CA
- Medical Education: University of Pennsylvania (2008) PA

LINKS

- www.johnopenshaw.com: www.johnopenshaw.com

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am interested in the intersection between infectious disease and ecology and my current research is on detecting emerging zoonotic pathogens. Zoonotic disease represents a major burden to human health: from the bubonic plague of the middle ages, to the 1918 flu pandemic that infected one third of the world's population, to the modern Human immunodeficiency virus (HIV) epidemic which affects 34 million people living today. My current work aims to detect viral spillover events

from animals to humans with the hope of eventually understanding the ecology that drives this process and better defining the steps that will be required to stop the emergence of these pathogens. I currently work in Bangladesh, China, and Costa Rica.

PROJECTS

- Detection of Emerging Zoonotic Pathogens in Humans, Bangladesh
- Developing Interventions to End Cycles of Poverty Caused by *Taenia solium* and Neurocysticercosis, China
- Spillover of Zoonotic Diseases in a Fragmented Landscape, Costa Rica

Teaching

COURSES

2019-20

- Global Change and Emerging Infectious Disease: EARTHSYS 114, EARTHSYS 214, ESS 213, HUMBIO 114 (Spr)

2018-19

- Global Change and Emerging Infectious Disease: EARTHSYS 114, EARTHSYS 214, ESS 213, HUMBIO 114 (Spr)

Publications

PUBLICATIONS

- **Structural Equation Modeling (SEM) of Cysticercosis in School-Aged Children in Tibetan Rural Farming Areas of Western China: Implications for Intervention Planning.** *International journal of environmental research and public health*
Zhou, H., Wang, Q., Zhou, J., Li, T., Medina, A., Felt, S. A., Rozelle, S., Openshaw, J. J.
2019; 16 (5)
- **Prevalence and risk factors for *Taenia solium* cysticercosis in school-aged children: A school based study in western Sichuan, People's Republic of China.** *PLoS neglected tropical diseases*
Openshaw, J. J., Medina, A., Felt, S. A., Li, T., Huan, Z., Rozelle, S., Luby, S. P.
2018; 12 (5): e0006465
- **High prevalence of *Taenia solium* taeniasis and cysticercosis in Tibetan schoolchildren in western Sichuan, China: a cross-sectional study**
Li, T., Openshaw, J. J., Chen, X., Medina, A. C., Felt, S. A., Zhou, H., Rozelle, S. D., Luby, S. P.
ELSEVIER SCIENCE INC.2017: S89
- **TAENIA SOLIUM AND NEUROCYSTICERCOSIS BURDEN AND DECREASED ACADEMIC PERFORMANCE ASSOCIATED WITH BRAIN INFECTION IN SCHOOL AGED CHILDREN, SOUTHWEST CHINA**
Openshaw, J. J., Medina, A., Felt, S. A., Li, T., Huan, Z., Rozelle, S., Luby, S. P.
AMER SOC TROP MED & HYGIENE.2017: 139-40
- **Reduction in bacterial contamination of hospital textiles by a novel silver-based laundry treatment** *AMERICAN JOURNAL OF INFECTION CONTROL*
Openshaw, J. J., Morris, W. M., Lowry, G. V., Nazmi, A.
2016; 44 (12): 1705-1708
- **Bat Hunting and Bat-Human Interactions in Bangladeshi Villages: Implications for Zoonotic Disease Transmission and Bat Conservation.** *Transboundary and emerging diseases*
Openshaw, J. J., Hegde, S., Sazzad, H. M., KHAN, S. U., Hossain, M. J., Epstein, J. H., Daszak, P., Gurley, E. S., Luby, S. P.
2016: -?
- **Increased Morbidity and Mortality in Domestic Animals Eating Dropped and Bitten Fruit in Bangladeshi Villages: Implications for Zoonotic Disease Transmission.** *EcoHealth*
Openshaw, J. J., Hegde, S., Sazzad, H. M., Khan, S. U., Hossain, M. J., Epstein, J. H., Daszak, P., Gurley, E. S., Luby, S. P.
2016; 13 (1): 39-48
- **Bat hunting and bat-human interactions in Bangladeshi villages: implications for zoonotic disease transmission and bat conservation** *Transboundary & Emerging Disease*
Openshaw, J. J., et al

2016

- **Increased morbidity and mortality in domestic animals fed ground and bitten fruit in Bangladeshi villages: implications for bat borne zoonotic disease transmission** *EcoHealth*
Openshaw, J. J., et al
2015
- **Rocky mountain spotted fever in the United States, 2000-2007: interpreting contemporary increases in incidence.** *American journal of tropical medicine and hygiene*
Openshaw, J. J., et al
2010; 83 (1): 174-182
- **Eczema vaccinatum resulting from the transmission of vaccinia virus from a smallpox vaccinee: an investigation of potential fomites in the home environment** *Vaccine*
Lederman, E., Miramontes, R., Openshaw, J., et al
2009; 27 (3): 375-7
- **Human Ehrlichiosis: Clinical and Ecological Challenges** *Southern Medical Journal*
Openshaw, J. J., Swerdlow, D.
2007; 100 (8): 769-770
- **Purple Glove Syndrome Following Intravenous Phenytoin Administration** *Vascular Medicine*
Chokshi, R., Openshaw, J., Mehta, N., Mohler, E.
2007; 12: 29-31
- **Rickettsia parkeri rickettsiosis and its clinical distinction from Rocky Mountain spotted fever** *Clin Infect Dis.*
Paddock, C., Finley, R., Wright, C., Robinson, H., Schrodt, B., Lane, C., Ekenna, O., Blass, M., Tamminga, C., Ohi, C., McLellan, S., Goddard, J., Holman, et al
2006; 47 (9): 1188-96