BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME	POSITION TITLE
Tucker, Joseph David	Assistant Professor of Medicine, Director of UNC Project China
eRA COMMONS USER NAME jtucker4	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	MM/YY	FIELD OF STUDY
Swarthmore College	B.A. cum laude	05/00	Biology
University of North Carolina at Chapel Hill	M.D.	12/04	Medicine
University of California San Francisco	Residency	06/07	Internal Medicine
Harvard University	Fellowship	06/09	Infectious Diseases
Harvard University	M.A.	12/10	RSEA: China Studies

A. Personal Statement

I am an Assistant Professor of Medicine and Director of UNC Project-China. I started learning Mandarin and undertaking STD research as an undergraduate and have retained this substantive research focus throughout medical school, medicine residency, infectious diseases clinical fellowship, an MA in East Asian Studies, and a PhD in public health. My research examines how China's tremendous social upheaval has resulted in the resurgence of syphilis and other STDs, and how these same social forces can be marshaled to prevent and control STDs. Our major ongoing projects focus on SESH (social entrepreneurship for sexual health), the health needs of the African migrant population in Guangzhou, and the social epidemiology of STDs. I have lived and worked full-time in Guangzhou, the capitol of Guangdong Province, over the past five years. I speak, read, and write fluent Mandarin Chinese. I am PI on an NIH Fogarty International Center International Research Scientist Development Award (Career Development Award). I mentor pre and postgraduate trainees through Fogarty, Fulbright-Fogarty, Fulbright, and Doris Duke programs.

B. Positions and Honors

Research Positions:

1999	Visiting Scholar, WHO Collaborating Center on Food Virology, with Dr. Dean Cliver, University of California Davis, Davis, CA
2000	Boren Scholar, Institute for International Education National Security Education Program, Qingdao Provincial Centers for Disease Control, Qingdao, PRC
2001	Chinese I-powerment Project Coordinator, with Myron Cohen (UNC), China Centers for Disease Control, Beijing, PRC
2003-2004	Program Manager, China National STD Center, with Dr. Myron Cohen (UNC) and Dr. Xiang-Sheng Chen (NCSTD), Nanjing, PRC
2005	Advisor, China CIPRA Epidemiology and Project Management Divisions
2008 – 2010	Fellow, Fogarty International Center Clinical Research Program
2010 – 2012	Instructor/Assistant, Harvard Medical School/Massachusetts General Hospital
2010 –	Associate, Harvard Asia Center
2011 –	Adjunct Assistant Professor, Chinese University Hong Kong Faculty of Medicine
2012 -	Assistant Professor (tenure-track) and Director of UNC Project - China

Other Experience and Professional Memberships

2001 – 2003	Contributing Editor, *Chinese Journal of Sexually Transmitted Infections*, Shenzhen, PRC
2004	International Secretariat Chair, Second China National STI Control Conference, Nanjing, PRC
2004 – 2006	Ethics Editor, *Chinese Journal of Sexually Transmitted Infections*, Shenzhen, PRC
2004 – 2010	Member, Syphilis in China National Working Group, NCSTD, Nanjing, China
2005 – 2007	Founder and Member, Bay Area China AIDS Society, San Francisco, CA
2005 – 2007	Public Intellectual Fellow, National Committee on US-China Relations

2005 – 2009 Co-founder, Gender Policy and HIV in China Working Group, Beijing, PRC
2006 - Editorial Board Member, *Sexually Transmitted Diseases* and *BMC Infectious Diseases*
2008 – 2010 Founder and member, Massachusetts General Hospital Syphilis Working Group
2008 - 2010 Founder and steering committee member, Sex Work in Asia Conference at Harvard University (October 1st-2nd, 2010)
2009 - WHO Diagnostics Committee Member (Chair – Rosanna Peeling)
2010 Hong Kong Research Grants Council, External Reviewer
2010 Technical Advisor, WHO Rapid Syphilis Project
2010 – Associate Editor and Editorial Board Member, *BMC Infectious Diseases*
2011 NIH Fogarty Center Fellowship Selection Committee, NIH Fogarty Scholar Selection Committee
2012 WHO HIV Therapeutics Guideline Panel, December 13th, 2012, Geneva, Switzerland
Ad-hoc reviewer for *New England Journal of Medicine; PLoS Medicine; Lancet Infectious Diseases; Journal of Infectious Disease; Clinical Infectious Disease; American Journal of Public Health; AIDS and Behavior; BMC Public Health; Social Science & Medicine; Culture, Health & Sexuality*

Honors

1996-2000 Swarthmore College Merit Scholarship
2000 Leo Leva Award for "unusual promise" in Biology, Swarthmore College
2000 Cum Laude graduate of Swarthmore College
2003-2004 Kenan Scholar, UNC Chapel Hill School of Medicine
2009-2010 Foreign Language Areas Studies Harvard nomination
2010 Massachusetts General Hospital Executive Committee on Research Award – Scored 18th out of 147 MGH applicants but deferred due to K01 NIH funding
2009-2010 Asia Center Scholarship, Harvard University Regional Studies East Asia Program
2009-2010 Burroughs Wellcome Fund/American Society of Tropical Medicine and Hygiene (BWF/ASTMH) Junior Faculty Fellowship in Tropical Infectious Diseases
2010- Renaissance Weekend Participant, based on innovation and multi-disciplinary work
2011 National CFAR Young Investigator Award (Duke University, Durham, NC)
2012- NIH Early Career Reviewer
2012-2017 Council on Foreign Relations Term Member

C. Selected Peer-reviewed Publications (Selected from 67 peer-reviewed publications)

Most relevant to the current application (*indicates corresponding author)

1. **Tucker JD***, Chen XS, Peeling RW. 2010. Syphilis and Social Upheaval in China. *New England Journal of Medicine*. 362: 1658-1661. PMID: 20445179. (also *NEJM* 2010; 363:1088-9)
2. **Tucker JD*,** Yang LG, Yang B, et al. 2011. A Twin Response to Twin Epidemics*:* Integrated HIV/Syphilis Testing at STI clinics in South China. *Journal of Acquir Immune Defic,* 57:e106-e111.
3. Wu X, **Tucker JD**, Hong F, Messina J, Lan L, Hu Y, Feng T, Emch ME, Liu X, Zhang C, Wen L. Multilevel and Spatial Analysis of Syphilis in Shenzhen China to Inform Spatially Targeted Control Measures. 2012. *Sexually Transmitted Infection*. 88(5):325-9.
4. **Tucker JD***, Yang LG, Yang B, Young D, Henderson GE, Huang SJ, Lu HK, Chen XS, Cohen MS. 2012. Prior HIV Testing among STD Patients in Guangdong Province, China: Opportunities for Expanding Detection of Sexually Transmitted HIV Infection. *Sexually Transmitted Diseases.* 39: 182-7. PMC3282013.
5. **Tucker JD**, Bien CH, Peeling RW. Point-of-care testing for sexually transmitted infections: Recent advances and implications for disease control. 2013. *Current Opinion Infectious Diseases.* 26(1):73-9. doi: 10.1097/QCO.0b013e32835c21b0. PMID: 23242343.

Additional recent publications of importance to the field

6. **Tucker JD***, Bu J, Brown LB, Yin YP, Chen XS, Cohen MS. 2010. Accelerating Syphilis Screening through Novel Rapid Syphilis Testing: A Systematic Review. *Lancet Infectious Diseases*. 10: 381-386. PMID: 20510278.
7. Zhou P, Li K, Lu H, Qian Y, Gu X, Gong W, **Tucker JD**, Cohen MS. 2010. Azithromycin treatment failure among primary and secondary syphilis patients in Shanghai. *Sex Trans Dis*. 37:726-9. PMC 3114640.

8. **Tucker JD*,** Hawkes SJ, Yin YP, Peeling RW, Cohen MS, Chen XS. 2010. Scaling up syphilis testing in China: implementation beyond the clinic. *Bulletin of the World Health Organization*. 88: 452-457. PMID: 20539859.
9. Yang LG, **Tucker JD,** Yang B, et al. 2010. Syphilis cases in Guangdong Province 1995-2008: Opportunities for linking syphilis control and regional development. *BMC Public Health*. 10:793. PMC 3022862.
10. **Tucker JD***, Tuminez A. 2011. Reframing the interpretation of sex worker health: A behavioral-structural approach. *Journal of Infectious Diseases.* 204 Suppl 5:S1206-10. PMC3205084.
11. **Tucker JD**, Yin YP, Wang BX, Chen XS, Cohen MS. 2012. An Expanding Syphilis Epidemic in China: Epidemiology, Behavioral Risk, and Control Strategies with a Focus on Low-Tier Female Sex Workers and Men Who Have Sex With Men. *Sexually Transmitted Infection*. 87 Suppl 2:ii16-8. PMC3306605.
12. Yang LG, **Tucker JD**, Wang C, Shen SY, Chen XS, Yang B, Peeling R. 2012. Syphilis Test Availability and Uptake at Medical Facilities in Southern China. *WHO Bulletin*. 89:798-805. PMC3209729.
13. Wang B, Wang QQ….**Tucker JD**, Chen XS. 2012. The effect of a structural intervention for syphilis control among 3597 female sex workers: a demonstration study in South China. *Journal of Infectious Diseases.* 206(6):907-14.
14. **Tucker JD*,** Fenton KA, Peckham R, Peeling RW. 2012. Social Entrepreneurship for Sexual Health (SESH): A New Approach for Enabling Delivery of Sexual Health Services Among Most-At-Risk-Populations. *PLoS Medicine.* 9:e1001266.
15. Tan X, Rydzak C, Yang L, Vickerman P, Yang B, Peeling RW, Hawkes S, Chen X, **Tucker JD*.** 2013. Prioritizing Congenital Syphilis Control in South China: A Decision Analytic Model to Inform Policy Implementation. *PLoS Medicine*. PMID: 23349624. 10(1):e1001375. doi: 10.1371/journal.pmed.1001375.

D. Research Support

Ongoing Research Projects

1K01TW008200-01A1 (Career Development Award) Tucker (PI) 07/01/10 – 06/30/14
Plum Blossom Project: Integrating Syphilis/HIV Testing in South China
This project explores the social basis for the spread and control of syphilis/HIV in South China. Drawing on empirical data from several operational projects in Guangdong Province, the project used quantitative (multi-level modeling) and qualitative (in-depth interviews, focus groups) to identify crucial determinants of integrated syphilis/HIV testing.
Role: PI

Harvard China Fund Kleinman (PI) 1/1/2013-12/31/2015
Patient-Physician Trust and Mistrust in China: A Qualitative Investigation
The major goal of this qualitative project is to understand individual, community, and institutional aspects of patient-physician trust and mistrust in the Chinese context.
Role: Co-I

Doris Duke Charitable Foundation (no number) Cohen (PI) 8/01/09-6/30/2015
Clinical Research Fellowship for Medical Students
This program provides an opportunity for U.S. medical students to spend one year in Beijing at the National Centers for AIDS Control undertaking mentored research.
Role: Mentor

Completed Research Projects

ASTMH Junior Faculty Fellowship Tucker (PI) 02/01/12 – 01/30/2013
American Society for Tropical Medicine & Hygiene
The major goal of this project is understand syphilis/HIV test uptake at STI clinics in South China.
Role: PI

NIH NIAID UNC CFAR 5P30AI050410-13 Swanstrom (PI) 07/01/2011 – 07/01/2012
Five Goats Project: Syphilis, gonorrhea, and chlamydia among HIV-infected individuals in Guangzhou
Role: Developmental Award PI

NIH NICHD 1R24 HD056670-01 Henderson (PI) 10/01/2007 – 09/01/2012
Partnership for Social Science Research on HIV/AIDS in China
This is a cooperative US-China project which will develop and support capacity in social science required for prevention and treatment of STDs and HIV. The partnership includes UNC (and other US sinologists), China CDC, Renmin University in Beijing and the National STD Center in Nanjing.
Role: Consultant

NIH FICR/FICRF R24 TW007988 Vermund (PI) 01/08/05-6/30/2012
Pre-doctoral and post-doctoral mentored research at the National STD Control Center in Nanjing
The program provides pre-doctoral and post-doctoral trainees from the U.S. to undertake mentored research with a China postgraduate twin, focusing on novel aspects of STD/HIV research in China.
Role: Mentor

R24TW007988 Vermund (PI) 7/01/08-6/30/2009
NIH/Fogarty Early Career Scientist Award
Plum Blossom Project: Integrating Syphilis/HIV Testing in South China
The major goal of this project is understand syphilis/HIV test uptake at STI clinics in South China
Role: PI

N/A (Cohen PI) 02/01/05-09/28/11
Sexually Transmitted Infections Clinical Trials Group (STI CTG)-Core
The University of North Carolina at Chapel Hill has a subcontract for an STD-Clinical Trials Unit, and this is being used to support a project analyzing azithromycin resistance among *T. pallidum* isolates from STI clinics in China.
Role: Subproject Co-I

President and Fellows of Harvard College Tucker (PI) 07/01/10 – 6/30/11
Feasibility of a social network-based FSW intervention in China
The goal of this project is to understand syphilis/HIV testing among sex workers
Role: PI

Guangdong Provincial STD Control Center (no number) Tucker (PI) 06/01/11 – 12/01/12
African diaspora in Guangzhou, China: Sexual health needs assessment
Role: PI