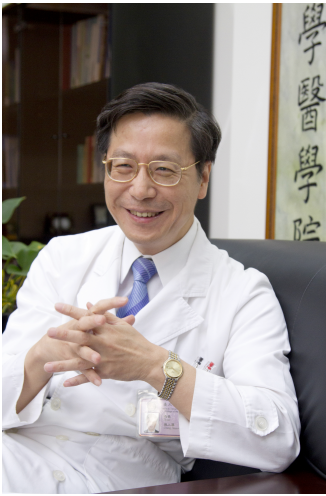


CURRICULUM VITAE

SHAN-CHWEN CHANG, M.D., Ph.D.



CURRENT POSITION:

Dean, College of Medicine, National Taiwan University

Professor, Department of Internal Medicine, College of Medicine, National Taiwan University

Professor, Graduate Institute of Clinical Pharmacy, College of Medicine, National Taiwan University

Attending Physician, Department of Internal Medicine, National Taiwan University Hospital

Director, Center of Genomic Medicine, National Taiwan University

EDUCATION:

1974 – 1981 M.D., Medical School, National Taiwan University

1987 – 1992 Ph.D., Graduate Institute of Clinical Medicine, National Taiwan University

RELEVANT EXPERIENCE:

- 1990 - 1992 Lecturer of Internal Medicine, National Taiwan University
1992 - 2000 Associate Professor of Internal Medicine, National Taiwan University
1996 – 1999 Chief, Division of Infection, Immunology and Rheumatology, Department of Internal Medicine, National Taiwan University Hospital
1999 - 2009, 2011-2013 Chief, Division of Infectious Diseases, National Taiwan University Hospital
2006 - 2009 Researcher (joint appointment), Division of Clinical Research, National Health Research Institute, Taiwan
2007 - 2008 Vice-director, Department of Internal Medicine, National Taiwan University Hospital
2008(May-Sept.) Director, Department of Internal Medicine, National Taiwan University Hospital
2008 - 2009, 2011-2013 Associate Dean, College of Medicine, National Taiwan University
2008 - 2009, 2011-2013 Vice-superintendent, National Taiwan University Hospital
2009 – 2010 Deputy Minister of Health, Executive Yuan, Taiwan

FIELDS OF SPECIALTY:

Diagnosis and Treatment of Infectious Diseases, Infection Control, Emerging Infectious Diseases, Hospital Epidemiology, Molecular Microbiology

HONOR AND AWARDS:

- Award of Excellent Clinical Service of the Year 1998, National Taiwan University Hospital
The Best Teacher of the Year 1998, College of Medicine, National Taiwan University
Award of Excellent Clinical Teaching of the Year 1999, National Taiwan University Hospital
Award of Outstanding Medical Research of the Year 1999, Academic Foundation of Professor WY Chen
Research Award, 1999, National Science Council of Taiwan
Research Award, 2000, National Science Council of Taiwan
Award of Excellent Teaching of the Year 2002, National Taiwan University
Award for Special Contribution in SARS Control, 2003, Executive Yuan (行政院抗煞有功人員獎)
Distinguished Citizen of Taipei City, 2003, Taipei City Government (臺北市傑出市民)
Health Medal, Taiwan Department of Health, 2004 (行政院衛生署二等衛生獎章)
Award for Special Contribution in Research, National Taiwan University, 2004
Award of Taipei Medical Association, 2004
Outstanding Research Award for Excellence in Medical Research, 2005, National Taiwan University Hospital
Award for Outstanding Innovative Teaching Material, 2006, National Taiwan University Hospital
Award for Excellent Innovative Teaching Material, 2007, National Taiwan University Hospital
Award of Special Contribution in Disease Control for Taiwan, 2007, Centers for Disease Control and Department of Health, Taiwan (衛生署疾病管制局防疫貢獻獎)

Outstanding Professor Award for Medical Technology, 2008, Far Eastern Y. Z. Hsu Science and Technology Memorial Foundation(有庠傑出教授獎)

2009 臺灣大學傑出社會貢獻獎

2010 行政院一等功績獎章

2011 衛生署疾病管制局防疫貢獻獎

2012 國家人力創新獎個人獎 - A+經理人

Award of Excellent Teaching of the Year 2014, National Taiwan University (臺灣大學教學傑出獎)

Health Medal, Ministry of Health and Welfare, 2014 (衛生福利部一等衛生福利獎章)

PUBLICATION LIST IN RECENT FIVE YEARS (SELECTED):

1. Cheng A, Sheng WH, Huang YC, Sun HY, Tsai YT, Chen ML, Liu YC, Chuang YC, Huang SC, Chang CI, Chang LY, Huang WC, Hsueh PR, Hung CC, Chen YC*, **Chang SC**: Prolonged postprocedural outbreak of Mycobacterium massiliense infections associated with ultrasound transmission gel. Clin Microbiol Infect 2016; 22:382.e1-382.e11.
2. Chen PY, Chuang YC, Wang JT*, **Chang SC**: Impact of prior healthcare-associated exposure on clinical and molecular characterization of methicillin-susceptible *Staphylococcus aureus* bacteremia: Results from a retrospective cohort study. Medicine (Baltimore) 2015; 94:e474.
3. Wang JT, Wu UI, Lauderdale TL, Chen MC, Li SY, Hsu LY, **Chang SC***: Carbapenem-nonsusceptible *Enterobacteriaceae* in Taiwan. PLoS One 2015;10:e0121668.
4. Cheng A, Chuang YC, Sun HY, Sheng WH, Yang CJ, Liao CH, Hsueh PR, Yang JL, Shen NJ, Wang JT, Hung CC, Chen YC, **Chang SC**: Excess mortality associated with colistin-tigecycline compared with colistin-carbapenem combination therapy for extensively drug-resistant *Acinetobacter baumannii* bacteremia: A Multicenter Prospective Observational Study. Crit Care Med. 2015;43:1194-204
5. **Chang SC***: Raising clinical awareness for better dengue fever outbreak control. J Formos Med Assoc 2015;114:1025-6.
6. Lee CC*, Lee MT, Chen YS, Lee SH, Chen YS, Chen SC, **Chang SC**: Risk of aortic dissection and aortic aneurysm in patients taking oral fluoroquinolone. JAMA Intern Med 2015;175:1839-47.
7. Tsai JC, Hung CC, Chang SY, Liu WC, Wu CH, Su YC, Wu PY, Luo YZ, Chang LH, Sun HY*, **Chang SC**: Increasing incidence of recent hepatitis C virus infection among persons seeking voluntary counselling and testing for HIV and sexually transmitted infections in Taiwan. BMJ Open 2015; 5:e008406.
8. Lin PH, Chao TL, Kuo SW, Wang JT, Hung CC, Lin HC, Yang ZY, Ho SY, Chang CK, Huang MS, Chen HH, Chen CC, Lai HS, Chang SY, **Chang SC***, Yang PC: Virological, serological, and antiviral studies in an imported human case of avian influenza A (H7N9) virus in Taiwan. Clin Infect Dis 2014;58:242-6.
9. Lauderdale TL, Hsu MC, Mu JJ, Chang FY, Lai JF, Tan MC, Wang HY, **Chang SC***: NDM-1-producing *Acinetobacter soli* from Taiwan. Diag Microbiol Infect Dis 2014;80:168-9.
10. Chuang YC, Cheng CY, Sheng WH, Sun HY, Wang JT, Chen YC, **Chang SC**: Effectiveness of tigecycline-based versus colistin- based therapy for treatment of pneumonia caused by multidrug-resistant *Acinetobacter baumannii* in a critical setting: A matched cohort analysis. BMC Infect Dis 2014;14:102.
11. Huang CY, Lai JF, Huang IW, Chen PC, Wang HY, Shiao YR, Cheng YW, Hsieh LY, **Chang SC**, Lauderdale TL: Epidemiology and Molecular Characterization of Macrolide-Resistant *Streptococcus pyogenes* in Taiwan. J Clin Microbiol. 2014;52:508-16.
12. Pan SC, Kung HC, Kao TM, Wu H, Dong SX, Hu MH, Chou AH, Chong P, Hsieh SM*, **Chang SC**. The Madin-Darby canine kidney cell culture derived influenza A/H5N1 vaccine: A phase I trial in Taiwan. J Microbiol Immunol Infect 2013;46:448-55.
13. Hsieh SM, Huang YS, Chang SY, Lin PH, **Chang SC**: Serological survey in close contacts with a confirmed case of H7N9 influenza in Taiwan. J Infect 2013;67:494-5.
14. Huang TW, Wang JT, Lauderdale TL, Liao TL, Lai JF, Tan MC, Lin AC, Chen YT, Tsai SF, **Chang**

SC*: Complete sequences of two plasmids in a blaNDM-1-positive *Klebsiella oxytoca* isolate from Taiwan. *Antimicrob Agents Chemother* 2013;57:4072-6.

15. Chang SY, Lin PH, Tsai JC, Hung CC, **Chang SC***: The first case of H7N9 influenza in Taiwan. *Lancet* 2013;381(9878):1621.
16. Cheng A, Fung CP, Liu CC, Lin YT, Tsai HY, **Chang SC**, Chou AH, Chang JY, Jiang RH, Hsieh YC, Su IJ, Chong PC, Hsieh SM*: A Phase I, randomized, open-label study to evaluate the safety and immunogenicity of an enterovirus 71 vaccine. *Vaccine* 2013;31:2471-6.
17. Lu CL, Hung CC*, Chuang YC, Liu WC, Su CT, Su YC, Chang SF, Chang SY, **Chang SC**: Serologic response to primary vaccination with 7-valent pneumococcal conjugate vaccine is better than with 23-valent pneumococcal polysaccharide vaccine in HIV-infected patients in the era of combination antiretroviral therapy. *Hum Vaccin Immunother* 2013;9:398-404.
18. Tseng YT, Chang SY, Liu WC, Sun HY, Wu CH, Wu PY, Lu CL, Hung CC*, **Chang SC**: Comparative effectiveness of two doses versus three doses of hepatitis A vaccine in human immunodeficiency virus-infected and -uninfected men who have sex with men. *Hepatology* 2013;57:1734-41.
19. Pan SC, Chen SY, Wang JT, Chiang WC, Tseng WP, Fu CM, Lai MS, Chie WC, **Chang SC***: Changing epidemiology of community-onset *Staphylococcus aureus* bacteremia over nine years in an emergency department in Taiwan. *J Infect* 2013;66:187-9.
20. Sheng WH, Hung CC, Chang SY, Liu CJ, Chen MY, Hsieh SM, Kao JH, Chen PJ, **Chang SC**: Differential clinical and virologic impact of hepatitis B virus genotypes B and C on HIV-coinfected patients receiving lamivudine-containing highly active antiretroviral therapy. *Clin Infect Dis* 2012;54:548-55.
21. Sun HY, Chang SY, Yang ZY, Lu CL, Wu H, Yeh CC, Liu WC, Hsieh CY, Hung CC, **Chang SC**: Recent hepatitis C virus infections in HIV-infected patients in Taiwan: incidence and risk factors. *J Clin Microbiol* 2012;50:781-7.
22. Lauderdale TL, Shi ZY, Lin CF, Lai JF, Tan MC, Wang JT, **Chang SC***: KPC-2-producing sequence type 11 *Klebsiella pneumoniae* detected in Taiwan. *Antimicrob Agents Chemother* 2012;56:2207-8.
23. Su CH, Wang JT, Hsiung CA, Chien LJ, Chi CL, Yu HT, Chang FY, **Chang SC***: Increase of carbapenem-resistant *Acinetobacter baumannii* infection in acute care hospitals in Taiwan: association with hospital antimicrobial usage. *PLoS ONE* 2012;7:e37788.
24. Kuo SC, **Chang SC**, Wang HY, Lai JF, Chen PC, Shiau YR, Huang IW, Lauderdale TL*, TSAR Hospitals: Emergence of extensively drug-resistant *Acinetobacter baumannii* complex over 10 years: nationwide data from the Taiwan Surveillance of Antimicrobial Resistance (TSAR) program. *BMC Infect Dis* 2012;12:200.
25. Chen SY*, Chen YC, Chiang WC, Kung HC, King CC, Lai MS, Chie WC, Chen SC, Chen WJ, **Chang SC**. Field performance of clinical case definitions for influenza screening during the 2009 pandemic. *Am J Emerg Med* 2012;30:1796-803.
26. Chen SY, Liao CH, Wang JL, Chiang WC, Lai MS, Chie WC, Chen WJ, **Chang SC**, Hsueh PR*. Methicillin-resistant *Staphylococcus aureus* (MRSA) Staphylococcal cassette chromosome *mec* genotype effects outcomes of patients with healthcare-associated MRSA bacteremia independently of vancomycin minimum inhibitory concentration. *Clin Infect Dis* 2012;55:1329-37.
27. Pan SC, Wang JT, Chen YC, Chang YY, Chen ML, **Chang SC***: Incidence of and risk factors for infection or colonization of vancomycin-resistant enterococci in patients in the intensive care unit. *PLoS One* 2012;7:e47297.
28. Wu UI, Chen WC, Yang CS, Chen YC*, **Chang SC**, Wang JL: Risk factors and outcomes of *Escherichia coli* bacteremia caused by strains that produce CTX-M or non-CTX-M extended-spectrum-beta-lactamases. *Eur J Clin Microbiol Infect Dis* 2011;30:33-9.
29. Chen CJ, Lee PI, Chang SC, Huang YC, Chiu CH, Hsieh YC, **Chang SC**, Chang FY, Lee JJ, Su SC, Shen GH, Chuang YC, Chen YS, Liu JW, Lin TY*: Seroprevalence and severity of 2009 pandemic influenza A H1N1 in Taiwan. *PLoS ONE* 2011;6:e24440.

30. Hwang SJ, **Chang SC**, Yu CJ, Chan YJ, Chen TJ, Hsieh SL, Lai HY, Lin MH, Liu JY, Ong G, Roman F, Drame M, Bock HL, Yang PC*: Immunogenicity and safety of an AS03(A)-adjuvanted H5N1 influenza vaccine in a Taiwanese population. *J Formos Med Assoc* 2011;110:780-6.