



Paul C Tang

Other Teaching Staff-Hourly, Medicine - Primary Care and Population Health

Bio

BIO

Dr. Tang is Adjunct Professor in the Clinical Excellence Research Center at Stanford University and a practicing internist at the Palo Alto Medical Foundation. Most recently, he was Vice President, Chief Health Transformation Officer at IBM Watson Health. He has served in executive administration roles in health systems for over 25 years. Prior to joining Watson Health, Dr. Tang was Vice President, Chief Innovation and Technology Officer at the Palo Alto Medical Foundation (PAMF), directing the David Druker Center for Health Systems Innovation, a disruptive innovation center focused on grand challenges in health. Dr. Tang led one of the earliest implementations of an Electronic Health Record (EHR) system in the country in 1996, and in 2000, he co-developed MyChart, the first commercial patient portal, with Epic.

Dr. Tang is an elected member of the National Academy of Medicine, and has served on numerous NAM study committees, including a patient-safety committee he chaired that published two reports: Patient Safety: A New Standard for Care, and Key Capabilities of an Electronic Health Record System. He is a member of the Health and Medicine Division committee of the National Academies of Science, Engineering, and Medicine. Dr. Tang was co-chair of the federal Health Information Technology Policy committee from 2009-2017. He has served as board chair for several health informatics professional associations, including the American Medical Informatics Association (AMIA). He has served on the boards of AMIA, National Quality Forum, AcademyHealth, Computer-based Patient Record Institute, Joint Health Information Technology Alliance, NAM Board on Health Care Services, and National eHealth Collaborative. Dr. Tang is a recipient of the Nicholas E. Davies Award for Excellence in Computer-based Patient Record System Implementation, and the AMIA Don E. Detmer Award for Health Policy Contributions in Informatics. He currently holds one patent and has 16 patents pending. He has published numerous papers in medical informatics, appearing in New England Journal of Medicine, JAMA, Health Affairs, Annals of Internal Medicine, and Journal of the American Medical Informatics Association. Dr. Tang is a Fellow of the American College of Physicians, the American College of Medical Informatics, the College of Healthcare Information Management Executives, and the Healthcare Information and Management Systems Society.

He received his B.S. and M.S. in Electrical Engineering from Stanford University and his M.D. from the University of California, San Francisco. He completed his residency in internal medicine at Stanford University and is a board-certified practicing internist at the Palo Alto Medical Foundation.

ACADEMIC APPOINTMENTS

- Other Teaching Staff-Hourly, Medicine - Primary Care and Population Health

Publications

PUBLICATIONS

- **Developing ICU Clinical Behavioral Atlas Using Ambient Intelligence and Computer Vision.** *NEJM AI*
Dai, W., Adeli, E., Luo, Z., Dash, D., Lakshmikanth, S., Durante, Z., Tang, P., Kaushal, A., Milstein, A., Fei-Fei, L., Schulman, K.
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- **The Promise of Digital Health: Then, Now, and the Future.** *NAM perspectives*
Abernethy, A., Adams, L., Barrett, M., Bechtel, C., Brennan, P., Butte, A., Faulkner, J., Fontaine, E., Friedhoff, S., Halamka, J., Howell, M., Johnson, K., Long, et al
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- **A retrospective look at the predictions and recommendations from the 2009 AMIA policy meeting: did we see EHR-related clinician burnout coming?** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*
Starren, J. B., Tierney, W. M., Williams, M. S., Tang, P., Weir, C., Koppel, R., Payne, P., Hripcsak, G., Detmer, D. E.
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- **Precision population analytics: population management at the point-of-care** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*
Tang, P. C., Miller, S., Stavropoulos, H., Kartoun, U., Zambrano, J., Ng, K.
2021; 28 (3): 588-595
- **Personalized treatment options for chronic diseases using precision cohort analytics** *SCIENTIFIC REPORTS*
Ng, K., Kartoun, U., Stavropoulos, H., Zambrano, J. A., Tang, P. C.
2021; 11 (1): 1139
- **Online disease management of diabetes: Engaging and Motivating Patients Online With Enhanced Resources-Diabetes (EMPOWER-D), a randomized controlled trial** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*
Tang, P. C., Overhage, J., Chan, A., Brown, N. L., Aghighi, B., Entwistle, M. P., Hui, S., Hyde, S. M., Klieman, L. H., Mitchell, C. J., Perkins, A. J., Qureshi, L. S., Waltmyer, et al
2013; 20 (3): 526-534
- **A global travelers' electronic health record template standard for personal health records** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*
Li, Y., Detmer, D. E., Shabbir, S., Phung Anh Nguyen, Jian, W., Mihalas, G. I., Shortliffe, E. H., Tang, P., Haux, R., Kimura, M.
2012; 19 (1): 134-136
- **Personal health records: Definitions, benefits, and strategies for overcoming barriers to adoption** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*
Tang, P. C., Ash, J. S., Bates, D. W., Overhage, J. M., Sands, D. Z.
2006; 13 (2): 121-126
- **The missing link: Bridging the patient-provider health information gap** *HEALTH AFFAIRS*
Tang, P. C., Lansky, D.
2005; 24 (5): 1290-1295
- **AMIA advocates national health information system in fight against national health threats** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*
Tang, P. C., AMIA Public Policy Comm
2002; 9 (2): 123-124
- **SEMANTIC INTEGRATION OF INFORMATION IN A PHYSICIANS WORKSTATION** *INTERNATIONAL JOURNAL OF BIO-MEDICAL COMPUTING*
TANG, P. C., ANNEVELINK, J., SUERMONDT, H. J., YOUNG, C. Y.
1994; 35 (1): 47-60
- **MAJOR ISSUES IN USER-INTERFACE DESIGN FOR HEALTH PROFESSIONAL WORKSTATIONS - SUMMARY AND RECOMMENDATIONS**
TANG, P. C., PATEL, V. L.
ELSEVIER SCI IRELAND LTD.1994: 139-148