

Stanford



Wui Ip, MD

Clinical Assistant Professor, Pediatrics

CLINICAL OFFICE (PRIMARY)

- **Center for Academic Medicine General Pediatrics**

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Bio

BIO

Wui Ip, MD is a pediatrician and physician informaticist. He is interested in applying machine learning to support clinical decision making and improve patient care.

CLINICAL FOCUS

- Clinical Informatics
- Telehealth
- Application of AI in Medicine
- Pediatric Hospital Medicine

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Pediatrics

HONORS AND AWARDS

- EdTech Innovations Minigrant, Stanford University School of Medicine (2018)
- Teaching and Mentoring Academy Grant, Stanford University (2018)
- Community Service Award, Harvard Medical School (2010)
- Chancellor's Award for Student Excellence, State University of New York (2007)
- Commencement Student Speaker, SUNY Binghamton (2007)
- Phi Beta Kappa, Phi Beta Kappa (2005)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Fellows' Council Representative, Department of Pediatrics, Stanford University (2019 - 2020)
- Member, American Medical Informatics Association (2019 - present)

PROFESSIONAL EDUCATION

- Board Certification: Clinical Informatics, American Board of Preventive Medicine (2022)
- Fellowship: Stanford University Clinical Informatics Fellowship (2021) CA
- Board Certification: Pediatrics, American Board of Pediatrics (2016)
- Residency: UCSF Pediatric Residency (2016) CA
- Medical Education: Harvard Medical School (2013) MA
- Fellowship, Stanford University , Clinical Informatics
- Fellowship, Stanford Biodesign Faculty Fellow (2018)
- Residency, UCSF , Pediatrics (2016)
- MD, Harvard Medical School (2013)

COMMUNITY AND INTERNATIONAL WORK

- Medical Students Cultural Exchange, Taiwan

Research & Scholarship

RESEARCH INTERESTS

- Data Sciences
- Technology and Education

Publications

PUBLICATIONS

- **Hospitalization prediction from the emergency department using computer vision AI with short patient video clips.** *NPJ digital medicine*
Ip, W., Xenochristou, M., Sui, E., Ruan, E., Ribeira, R., Dash, D., Srinivasan, M., Artandi, M., Omiye, J. A., Scoulios, N., Hofmann, H. L., Mottaghi, A., Weng, et al
2024; 7 (1): 371
- **Using a Large Language Model to Identify Adolescent Patient Portal Account Access by Guardians.** *JAMA network open*
Liang, A. S., Vedak, S., Dussaq, A., Yao, D. H., Morse, K., Ip, W., Pageler, N. M.
2024; 7 (6): e2418454
- **Clinical outcome prediction using observational supervision with electronic health records and audit logs.** *Journal of biomedical informatics*
Bhaskhar, N., Ip, W., Chen, J. H., Rubin, D. L.
2023: 104522
- **Clinical course of children 1-24 months old with positive urine cultures without pyuria.** *Academic pediatrics*
Wang, M. E., Jones, V. G., Kane, M., Allan, J. M., Maleknia, L., Patel, R., Ip, W., Newman, T. B., Roberts, K. B., Schroeder, A. R.
2023
- **A Data-Driven Algorithm to Recommend Initial Clinical Workup for Outpatient Specialty Referral: Algorithm Development and Validation Using Electronic Health Record Data and Expert Surveys.** *JMIR medical informatics*
Ip, W., Prahallad, P., Palma, J., Chen, J. H.
2022; 10 (3): e30104
- **Impact of telemedicine on clinical practice patterns for patients with chest pain in the emergency department.** *International journal of medical informatics*
Ostberg, N., Ip, W., Brown, I., Li, R.
2022; 161: 104726
- **Ensuring Adolescent Patient Portal Confidentiality in the Age of the Cures Act Final Rule.** *The Journal of adolescent health : official publication of the Society for Adolescent Medicine*

Xie, J., McPherson, T., Powell, A., Fong, P., Hogan, A., Ip, W., Morse, K., Carlson, J. L., Lee, T., Pageler, N.
2021

- **Assessment of Prevalence of Adolescent Patient Portal Account Access by Guardians.** *JAMA network open*
Ip, W., Yang, S., Parker, J., Powell, A., Xie, J., Morse, K., Aikens, R. C., Lee, J., Gill, M., Vundavalli, S., Huang, Y., Huang, J., Chen, et al
2021; 4 (9): e2124733
- **Factors Influencing Business Analytics Solutions and Views on Business Problems** *DATA*
Potancok, M., Pour, J., Ip, W.
2021; 6 (8)
- **Day of Illness and Outcomes in Bronchiolitis Hospitalizations.** *Pediatrics*
Schroeder, A. R., Destino, L. A., Ip, W. n., Vukin, E. n., Brooks, R. n., Stoddard, G. n., Coon, E. R.
2020
- **Evaluating Subcriticality during the Ebola Epidemic in West Africa** *PLOS ONE*
Enanoria, W. T., Worden, L., Liu, F., Gao, D., Ackley, S., Scott, J., Deiner, M., Mwebaze, E., Ip, W., Lietman, T. M., Porco, T. C.
2015; 10 (10)
- **Interparticle interactions in glutathione mediated assembly of gold nanoparticles** *LANGMUIR*
Lim, I. S., Mott, D., Ip, W., Njoki, P. N., Pan, Y., Zhou, S., Zhong, C.
2008; 24 (16): 8857-8863
- **Contact-mediated cell-assisted cell proliferation in a model eukaryotic single-cell organism: An explanation for the lag phase in shaken cell culture** *PHYSICAL REVIEW E*
Franck, C., Ip, W., Bae, A., Franck, N., Bogart, E., Le, T. T.
2008; 77 (4)
- **Homocysteine-mediated reactivity and assembly of gold nanoparticles** *LANGMUIR*
Lim, I. S., Ip, W., Crew, E., Njoki, P. N., Mott, D., Zhong, C., Pan, Y., Zhou, S.
2007; 23 (2): 826-833
- **Adsorption of cyanine dyes on gold nanoparticles and formation of J-aggregates in the nanoparticle assembly** *JOURNAL OF PHYSICAL CHEMISTRY B*
Lim, I. I., Goroleski, F., Mott, D., Kariuki, N., Ip, W., Luo, J., Zhong, C. J.
2006; 110 (13): 6673-6682