

Stanford



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Bio

BIO

Susan C. Weber, PhD is Director of Engineering in Research IT (IRT). Dr. Weber has a PhD in Computer Science and 30 years' experience as a professional software developer.

LINKS

- Stanford Center for Clinical Informatics: <https://clinicalinformatics.stanford.edu/>

Publications

PUBLICATIONS

- **Autoantibodies in chronic hepatitis C virus infection: impact on clinical outcomes and extrahepatic manifestations.** *BMJ open gastroenterology*
Gilman, A. J., Le, A. K., Zhao, C. n., Hoang, J. n., Yasukawa, L. A., Weber, S. C., Vierling, J. M., Nguyen, M. H.
2018; 5 (1): e000203
- **Rate of hepatocellular carcinoma surveillance remains low for a large, real-life cohort of patients with hepatitis C cirrhosis.** *BMJ open gastroenterology*
Tran, S. A., Le, A. n., Zhao, C. n., Hoang, J. n., Yasukawa, L. A., Weber, S. n., Henry, L. n., Nguyen, M. H.
2018; 5 (1): e000192
- **Barriers to care for chronic hepatitis C in the direct-acting antiviral era: a single-centre experience.** *BMJ open gastroenterology*
Nguyen, P. n., Vutien, P. n., Hoang, J. n., Trinh, S. n., Le, A. n., Yasukawa, L. A., Weber, S. n., Henry, L. n., Nguyen, M. H.
2017; 4 (1): e000181
- **Synergistic drug combinations from electronic health records and gene expression.** *Journal of the American Medical Informatics Association*
Low, Y. S., Daugherty, A. C., Schroeder, E. A., Chen, W., Seto, T., Weber, S., Lim, M., Hastie, T., Mathur, M., Desai, M., Farrington, C., Radin, A. A., Sirota, et al
2016
- **Autoimmune Hemolytic Anemia Confers Risk of Thromboembolism That Is Not Attributable to Usual Thrombosis Risk Factors: A Longitudinal, Retrospective Cohort Study Using the "Stride" Database**
Chen, E. C., Loftus, P. D., Weber, S. C., Hoang, N., Gilbert, J., Kummar, S.
AMER SOC HEMATOLOGY.2016
- **LACTATION AND FUTURE CARDIOVASCULAR DISEASE IN WOMEN: AN UNDER APPRECIATED TARGET FOR PREVENTION**
Rajaei, S., Tsai, S. A., Rigdon, J., Weber, S., Mathur, M., Tremmel, J.
ELSEVIER SCIENCE INC.2016: 1859
- **Differential Progression to Cirrhosis and Hepatic Decompensation in Asian Americans (AA) and Non-Asian (NA) Patients with Chronic Hepatitis C (CHC)**
Le, A. K., Nguyen, N. H., Zhao, C., Hoang, J. K., Chang, C. Y., Jin, M., Nguyen, P., Nguyen, P. T., Le, R. H., Jin, M. Q., Nguyen, L., Yasukawa, L., Zhang, et al
WILEY-BLACKWELL.2015: 1110A–1111A

- **Risk Differences of Hepatocellular Carcinoma (HCC) Among Patients with Chronic Hepatitis C (CHC) of Different Viral Genotypes: a Historical Cohort Study in the United States**
Jin, M., Zhao, C., Hoang, J. K., Nguyen, N. H., Le, A. K., Chang, C. Y., Le, R. H., Kutsenko, A., Yasukawa, L., Zhang, J. Q., Weber, S. C., Nguyen, M. H.
WILEY-BLACKWELL.2015: 392A
- **Progression to liver cirrhosis in patients with chronic hepatitis C (CHC) in a large United States cohort: a natural history study**
Nguyen, N. H., Hoang, J. K., Le, A. K., Zhao, C., Chang, C. Y., Le, R. H., Jin, M., Kutsenko, A., Yasukawa, L., Zhang, J. Q., Weber, S. C., Nguyen, M. H.
WILEY-BLACKWELL.2015: 1089A
- **Higher Risk for Hepatocellular Carcinoma (HCC) in Asian Americans (AA) with Chronic Hepatitis C (CHC) compared to Non-Asians (NA), Regardless of Cirrhosis Status**
Le, R. H., Nguyen, N. H., Hoang, J. K., Le, A. K., Nguyen, P. T., Zhao, C., Chang, C. Y., Jin, M., Jin, M. Q., Wong, K. N., Yasukawa, L., Zhang, J. Q., Weber, et al
WILEY-BLACKWELL.2015: 406A–407A
- **Disease risk factors identified through shared genetic architecture and electronic medical records.** *Science translational medicine*
Li, L., Ruau, D. J., Patel, C. J., Weber, S. C., Chen, R., Tatonetti, N. P., Dudley, J. T., Butte, A. J.
2014; 6 (234): 234ra57-?
- **Disease Risk Factors Identified Through Shared Genetic Architecture and Electronic Medical Records** *SCIENCE TRANSLATIONAL MEDICINE*
Li, L., Ruau, D. J., Patel, C. J., Weber, S. C., Chen, R., Tatonetti, N. P., Dudley, J. T., Butte, A. J.
2014; 6 (234)
- **Stanford-NIH Pain Registry: Open source platform for large-scale longitudinal assessment of clinical data and patient-reported outcomes** *American Academy of Pain Medicine's 30th Annual Meeting*
Kao, M., Cook, K., Olson, G., Pacht, T., Darnall, B., Weber, S., Mackey, S.
2014
- **Breast cancer treatment across health care systems: linking electronic medical records and state registry data to enable outcomes research.** *Cancer*
Kurian, A. W., Mitani, A., Desai, M., Yu, P. P., Seto, T., Weber, S. C., Olson, C., Kenkare, P., Gomez, S. L., de Bruin, M. A., Horst, K., Belkora, J., May, et al
2014; 120 (1): 103-111
- **Breast Cancer Treatment Across Health Care Systems** *CANCER*
Kurian, A. W., Mitani, A., Desai, M., Yu, P. P., Seto, T., Weber, S. C., Olson, C., Kenkare, P., Gomez, S. L., de Bruin, M. A., Horst, K., Belkora, J., May, et al
2014; 120 (1): 103-111
- **Stanford-NIH Pain Registry: Catalyzing the rate-limiting step of big data psychometrics with item-response theory and advanced computerized adaptive testing** *American Academy of Pain Medicine's 30th Annual Meeting*
Kao, M., Cook, K., Olson, G., Pacht, T., Darnall, B., Weber, S. C., Mackey, S.
2014
- **Transdisciplinary translational science and the case of preterm birth** *JOURNAL OF PERINATOLOGY*
Stevenson, D. K., Shaw, G. M., Wise, P. H., Norton, M. E., Druzin, M. L., Valantine, H. A., McFarland, D. A.
2013; 33 (4): 251-258
- **Systematic identification of risk factors for Alzheimer's disease through shared genetic architecture and electronic medical records.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Li, L., Ruau, D., Chen, R., Weber, S., Butte, A. J.
2013: 224-235
- **Row-Filtering with Dynamic SQL in Support of Compliant EHR Data Marts** *AMIA CRI Summit on Clinical Research Informatics*
Weber, S., Srinivas, R., Zhou, V., Ferris, T., Lowe, H.
2013: 278
- **A simple heuristic for blindfolded record linkage** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*
Weber, S. C., Lowe, H., Das, A., Ferris, T.
2012; 19 (E1): E157-E161
- **Clinical Research Alerting for Early Septic Shock Detection** *2012 Summit on Clinical Research Informatics*
S. Weber, H. Lowe, S. Malunjar, V. Ojha, R. Pearl, J. Quinn
2012

- **Oncoshare: Lessons learned from building an integrated multi-institutional database for comparative effectiveness research** *Proceedings of the AMIA 2012 Annual Symposium*
SC Weber, T Seto, C Olson, P Kenkare, A Kurian, A Das
2012
- **Use of RxNorm and SNOMET-CT® to Support the Use of Medication Information in Research Patient Cohort Searching** *AMIA Annu Symp Proc*
Hernandez P, Podchiyska T, Ferris TA, Weber S, Lowe HJ
2011: 106
- **Hash-Based Algorithmic Linkage of Patient Records in De-identified Multi-site Patient Research Registries** *AMIA Annu Symp Proc*
Weber S, Lowe HJ, Olson G, Seto T, Ferris TA, Das A, Kurian A, Olson C, Kenkare P
2011; CRI: 81
- **A Model for Efficient Review of Clinical Data by Researchers within the STRIDE Clinical Data Warehouse** *AMIA Annu Symp Proc*
Lowe HJ, Weber S, Ramamoorthy N, Ferris TA, Hernandez P
2011; CRI: 34
- **Implementing a Real-time Complex Event Stream Processing System to Help Identify Potential Participants in Clinical and Translational Research Studies** *AMIA Annu Symp Proc*
Weber S, Lowe HJ, Malunjkar S, Quinn J
2010: 472
- **Managing Medical Vocabulary Updates in a Clinical Data Warehouse: An RxNorm Case Study.** *AMIA ... Annual Symposium proceedings / AMIA Symposium. AMIA Symposium*
Podchiyska, T., Hernandez, P., Ferris, T., Weber, S., Lowe, H. J.
2010; 2010: 477-481
- **Self-Service Support for Research Patient Cohort Identification and Review of Clinical Data in the STRIDE Clinical Data Warehouse** *AMIA Annu Symp Proc*
Lowe HJ, Weber S, Ferris T, Hernandez P
2010; CRI
- **Automated mapping of pharmacy orders from two electronic health record systems to RxNorm within the STRIDE clinical data warehouse.** *AMIA ... Annual Symposium proceedings / AMIA Symposium. AMIA Symposium*
Hernandez, P., Podchiyska, T., Weber, S., Ferris, T., Lowe, H.
2009; 2009: 244-248
- **STRIDE--An integrated standards-based translational research informatics platform.** *AMIA ... Annual Symposium proceedings / AMIA Symposium. AMIA Symposium*
Lowe, H. J., Ferris, T. A., Hernandez, P. M., Weber, S. C.
2009; 2009: 391-395
- **Novel integration of hospital electronic medical records and gene expression measurements to identify genetic markers of maturation.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Chen, D. P., Weber, S. C., Constantinou, P. S., Ferris, T. A., Lowe, H. J., Butte, A. J.
2008: 243-254
- **Clinical arrays of laboratory measures, or "clinarrays", built from an electronic health record enable disease subtyping by severity.** *AMIA ... Annual Symposium proceedings / AMIA Symposium. AMIA Symposium*
Chen, D. P., Weber, S. C., Constantinou, P. S., Ferris, T. A., Lowe, H. J., Butte, A. J.
2007: 115-119