



Fatma Gunturkun

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Bio

CURRENT ROLE AT STANFORD

Data Science Manager

Publications

PUBLICATIONS

- **Evaluating Tumor Burden as a Predictive Biomarker for Epidermal Growth Factor Receptor Targeted Kinase Inhibitor Therapy in Advanced Non-Small Cell Lung Cancer.** *JCO precision oncology*
Terashima, R., Fan, J., Gunturkun, F., Nieda, G., Fan, X., Rodriguez, E. M., Tan, A. X., Thottunkal, S., Shaw, M., Su, C. C., Khan, A., Ding, V. Y., Luo, et al
2026; 10 (4): e2500884
- **Evaluation of Large Language Models as Emergency Department Revisit Predictors.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Chen, E., Luo, L., Gunturkun, F., Sambara, S., Arora, R., Jin, B. T., Rajpurkar, P., Kim, D. A.
2026; 31: 130-143
- **ED-Explain: Personalized Video Instructions for Patients Discharged from the Emergency Department.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Luo, L., Chen, E., Zhang, X., Acosta, J. N., Jin, B. T., Gunturkun, F., Rose, C., Preiksaitis, C., Suffoletto, B., Rajpurkar, P., Kim, D. A.
2026; 31: 280-293
- **Digital Biometric Measures in Long COVID: A Secondary Analysis of the STOP-PASC Randomized Clinical Trial.** *JAMA network open*
Gunturkun, F., Hedlin, H., Botzheim, B., Deng, Y., Bonilla, H., Jagannathan, P., Quach, T. C., Kim, S., Lin, M., O'Riordan, G., Tzeng, H., Adamowicz, L., Demanuele, et al
2025; 8 (8): e2526901
- **The impact of pregnancy on mortality and lung function in cystic fibrosis patients.** *Journal of cystic fibrosis : official journal of the European Cystic Fibrosis Society*
Mohabir, P. K., Gunturkun, F., Cannon, J., Deng, Y., Garcia, A., Shahriary, E., Mirza, A.
2025
- **Applying Large Language Models to Assess Quality of Care: Monitoring ADHD Medication Side Effects.** *Pediatrics*
Bannett, Y., Gunturkun, F., Pillai, M., Herrmann, J. E., Luo, I., Huffman, L. C., Feldman, H. M.
2025; 155 (1)
- **Mental health care-seeking and barriers: a cross-sectional study of an urban Latinx community.** *BMC public health*
Newberry, J. A., Gimenez, M. A., Gunturkun, F., Villa, E., Maldonado, M., Gonzalez, D., Garcia, G., Espinosa, P. R., Hedlin, H., Kaysen, D.
2024; 24 (1): 3091
- **Advancing presurgical non-invasive molecular subgroup prediction in medulloblastoma using artificial intelligence and MRI signatures.** *Cancer cell*

- Wang, Y. J., Wang, P., Yan, Z., Zhou, Q., Gunturkun, F., Li, P., Hu, Y., Wu, W. E., Zhao, K., Zhang, M., Lv, H., Fu, L., Jin, et al
2024
- **Machine learning evaluation of inequities and disparities associated with nurse sensitive indicator safety events.** *Journal of nursing scholarship : an official publication of Sigma Theta Tau International Honor Society of Nursing*
Georgantes, E. R., Gunturkun, F., McGreevy, T. J., Lough, M. E.
2024
 - **AI-based preeclampsia detection and prediction with electrocardiogram data.** *Frontiers in cardiovascular medicine*
Butler, L., Gunturkun, F., Chinthala, L., Karabayir, I., Tootooni, M. S., Bakir-Batu, B., Celik, T., Akbilgic, O., Davis, R. L.
2024; 11: 1360238
 - **Externally validated deep learning model to identify prodromal Parkinson's disease from electrocardiogram.** *Scientific reports*
Karabayir, I., Gunturkun, F., Butler, L., Goldman, S. M., Kamaleswaran, R., Davis, R. L., Colletta, K., Chinthala, L., Jefferies, J. L., Bobay, K., Ross, G. W., Petrovitch, H., Masaki, et al
2023; 13 (1): 12290
 - **Development of a Deep Learning Model for Retinal Hemorrhage Detection on Head Computed Tomography in Young Children.** *JAMA network open*
Gunturkun, F., Bakir-Batu, B., Siddiqui, A., Lakin, K., Hoehn, M. E., Vestal, R., Davis, R. L., Shafi, N. I.
2023; 6 (6): e2319420
 - **Artificial intelligence opportunities in cardio-oncology: Overview with spotlight on electrocardiography** *AMERICAN HEART JOURNAL PLUS: CARDIOLOGY RESEARCH AND PRACTICE*
Martinez, D., Noseworthy, P. A., Akbilgic, O., Hermann, J., Ruddy, K. J., Hamid, A., Maddula, R., Singh, A., Davis, R., Gunturkun, F., Jefferies, J. L., Brown, S.
2022; 15
 - **Artificial Intelligence-Assisted Prediction of Late-Onset Cardiomyopathy Among Childhood Cancer Survivors.** *JCO clinical cancer informatics*
Güntürkün, F., Akbilgic, O., Davis, R. L., Armstrong, G. T., Howell, R. M., Jefferies, J. L., Ness, K. K., Karabayir, I., Lucas, J. T., Srivastava, D. K., Hudson, M. M., Robison, L. L., Soliman, et al
2021; 5: 459-468
 - **Deep learning for improved prediction of late-onset cardiomyopathy among childhood cancer survivors: A report from the St. Jude Lifetime Cohort (SJLIFE).**
Gunturkun, F., Davis, R. L., Armstrong, G. T., Jefferies, J. L., Ness, K. K., Green, D. M., Lucas, J., Srivastava, D., Hudson, M. M., Robison, L. L., Mulrooney, D. A., Soliman, E. Z., Karabayir, et al
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