



Bryan Bunning

Ph.D. Student in Biomedical Informatics, admitted Autumn 2021

Publications

PUBLICATIONS

- **From tool to teammate in a randomized controlled trial of clinician-AI collaborative workflows for diagnosis.** *NPJ digital medicine*
Everett, S. S., Bunning, B. J., Jain, P., Lopez, I., Agarwal, A., Desai, M., Gallo, R., Goh, E., Kadiyala, V. B., Kanjee, Z., Koshy, J. M., Olson, A., Rodman, et al
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- **Physician clinical decision modification and bias assessment in a randomized controlled trial of AI assistance.** *Communications medicine*
Goh, E., Bunning, B., Khoong, E. C., Gallo, R. J., Milstein, A., Centola, D., Chen, J. H.
2025; 5 (1): 59
- **Evaluation of acebilustat, a selective inhibitor of leukotriene B4 biosynthesis, for treatment of outpatients with mild-moderate COVID-19 disease: A randomized, double-blind, placebo- controlled Phase 2 trial.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Levitt, J. E., Hedlin, H., Duong, S., Lu, D., Lee, J., Bunning, B., Elkarra, N., Pinsky, B. A., Heffernan, E., Springman, E., Moss, R. B., Bonilla, H. F., Parsonnet, et al
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- **The COVID-19 Outpatient Pragmatic Platform Study (COPPS): Study design of a multi-center pragmatic platform trial.** *Contemporary clinical trials*
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- **Origins and clonal convergence of gastrointestinal IgE+ B cells in human peanut allergy.** *Science immunology*
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- **Key takeaways from Stanford's symposium on AI for Data Science** *JOURNAL OF CLINICAL AND TRANSLATIONAL SCIENCE*
Desai, M., Auerbach, J., Baker, L., Benjamin-Chung, J., Bondy, M., Boulos, M., Bunning, B. J., Deng, N., Goodman, S. N., Horn, I., Linos, E., Musen, M. A., Sanders, et al
2025; 9 (1)
- **Key takeaways from Stanford's symposium on AI for Data Science.** *Journal of clinical and translational science*
Desai, M., Auerbach, J., Baker, L., Benjamin-Chung, J., Bondy, M., Boulos, M., Bunning, B. J., Deng, N., Goodman, S. N., Horn, I., Linos, E., Musen, M. A., Sanders, et al
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- **Predicting treatment retention in medication for opioid use disorder: a machine learning approach using NLP and LLM-derived clinical features.** *Journal of the American Medical Informatics Association : JAMIA*
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- **Physical Activity Is Associated With Improved Glycemic Outcomes in Newly Diagnosed Youth With Type 1 Diabetes: 4T Exercise Program.** *Diabetes care*
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- **From Tool to Teammate: A Randomized Controlled Trial of Clinician-AI Collaborative Workflows for Diagnosis.** *medRxiv : the preprint server for health sciences*
Everett, S. S., Bunning, B. J., Jain, P., Lopez, I., Agarwal, A., Desai, M., Gallo, R., Goh, E., Kadiyala, V. B., Kanjee, Z., Koshy, J. M., Olson, A., Rodman, et al
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- **ChatGPT Influence on Medical Decision-Making, Bias, and Equity: A Randomized Study of Clinicians Evaluating Clinical Vignettes.** *medRxiv : the preprint server for health sciences*
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- **The evolving role of data & safety monitoring boards for real-world clinical trials** *JOURNAL OF CLINICAL AND TRANSLATIONAL SCIENCE*
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- **The evolving role of data & safety monitoring boards for real-world clinical trials.** *Journal of clinical and translational science*
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- **Favipiravir for treatment of outpatients with asymptomatic or uncomplicated COVID-19: a double-blind randomized, placebo-controlled, phase 2 trial.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
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- **A positive feedback loop reinforces the allergic immune response in human peanut allergy.** *The Journal of experimental medicine*
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- **Immune Changes Beyond Th2 Pathways During Rapid Multifood Immunotherapy enabled with Omalizumab.** *Allergy*
Manohar, M., Dunham, D., Gupta, S., Yan, Z., Zhang, W., Minnicozzi, S., Kirkey, M., Bunning, B., Chowdhury, R. R., Galli, S. J., Boyd, S. D., Kost, L. E., Chinthrajah, et al
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- **Clinical trials in a COVID-19 pandemic: Shared infrastructure for continuous learning in a rapidly changing landscape.** *Clinical trials (London, England)*
Hedlin, H. n., Garcia, A. n., Weng, Y. n., He, Z. n., Sundaram, V. n., Bunning, B. n., Balasubramanian, V. n., Cunanan, K. n., Kapphahn, K. n., Gummidipundi, S. n., Purington, N. n., Boulous, M. n., Desai, et al
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- **DO TARGETED QUALITY IMPROVEMENT INTERVENTIONS IMPROVE PEDIATRIC SEPSIS BUNDLE COMPLIANCE?**
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- **Peanut oral immunotherapy induces gastrointestinal eosinophilia in a longitudinal randomized controlled trial**
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- **Gastrointestinal Eosinophil Responses in a Longitudinal, Randomized Trial of Peanut Oral Immunotherapy.** *Clinical gastroenterology and
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- **Effectiveness Of Clinician Dose Blinding In An Oral Immunotherapy Protocol**
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- **Multi-Omic Profiling Of Asthma Using High-Throughput Sequencing**
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- **Component IgE and IgG4 levels in patients with natural tolerance or oral immunotherapy treatment**
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