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Ph.D. Student in Bioengineering, admitted Winter 2017

Publications

PUBLICATIONS

- **A Method for Localizing Non-Reference Sequences to the Human Genome.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Chrisman, B. S., Paskov, K. M., He, C., Jung, J., Stockham, N., Washington, P. Y., Wall, D. P.
2022; 27: 313-324
- **Improved detection of disease-associated gut microbes using 16S sequence-based biomarkers.** *BMC bioinformatics*
Chrisman, B. S., Paskov, K. M., Stockham, N., Jung, J., Varma, M., Washington, P. Y., Tataru, C., Iwai, S., DeSantis, T. Z., David, M., Wall, D. P.
2021; 22 (1): 509
- **Estimating sequencing error rates using families.** *BioData mining*
Paskov, K., Jung, J., Chrisman, B., Stockham, N. T., Washington, P., Varma, M., Sun, M. W., Wall, D. P.
2021; 14 (1): 27
- **Indels in SARS-CoV-2 occur at template-switching hotspots.** *BioData mining*
Chrisman, B. S., Paskov, K., Stockham, N., Tabatabaei, K., Jung, J., Washington, P., Varma, M., Sun, M. W., Maleki, S., Wall, D. P.
2021; 14 (1): 20
- **Analysis of Sex and Recurrence Ratios in Simplex and Multiplex Autism Spectrum Disorder Implicates Sex-Specific Alleles as Inheritance Mechanism**
Chrisman, B., Varma, M., Washington, P., Paskov, K., Stockham, N., Jung, J., Wall, D. P., Zheng, H., Callejas, Z., Griol, D., Wang, H., Hu, Schmidt, H., et al
IEEE.2018: 1470–77
- **Training Affective Computer Vision Models by Crowdsourcing Soft-Target Labels** *COGNITIVE COMPUTATION*
Washington, P., Kalantarian, H., Kent, J., Husic, A., Kline, A., Leblanc, E., Hou, C., Mutlu, C., Dunlap, K., Penev, Y., Stockham, N., Chrisman, B., Paskov, et al
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- **A maximum flow-based network approach for identification of stable noncoding biomarkers associated with the multigenic neurological condition, autism.** *BioData mining*
Varma, M., Paskov, K. M., Chrisman, B. S., Sun, M. W., Jung, J., Stockham, N. T., Washington, P. Y., Wall, D. P.
2021; 14 (1): 28
- **Crowdsourced privacy-preserved feature tagging of short home videos for machine learning ASD detection.** *Scientific reports*
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2021; 11 (1): 7620
- **Selection of trustworthy crowd workers for telemedical diagnosis of pediatric autism spectrum disorder.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Washington, P., Leblanc, E., Dunlap, K., Penev, Y., Varma, M., Jung, J., Chrisman, B., Sun, M. W., Stockham, N., Paskov, K. M., Kalantarian, H., Voss, C., Haber, et al
2021; 26: 14–25
- **Precision Telemedicine through Crowdsourced Machine Learning: Testing Variability of Crowd Workers for Video-Based Autism Feature Recognition.** *Journal of personalized medicine*
Washington, P., Leblanc, E., Dunlap, K., Penev, Y., Kline, A., Paskov, K., Sun, M. W., Chrisman, B., Stockham, N., Varma, M., Voss, C., Haber, N., Wall, et al
2020; 10 (3)
- **Game theoretic centrality: a novel approach to prioritize disease candidate genes by combining biological networks with the Shapley value.** *BMC bioinformatics*

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- **Feature Selection and Dimension Reduction of Social Autism Data.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
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- **Feature Selection and Dimension Reduction of Social Autism Data**
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- **Data-Driven Diagnostics and the Potential of Mobile Artificial Intelligence for Digital Therapeutic Phenotyping in Computational Psychiatry.** *Biological psychiatry. Cognitive neuroscience and neuroimaging*
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- **Validity of Online Screening for Autism: Crowdsourcing Study Comparing Paid and Unpaid Diagnostic Tasks.** *Journal of medical Internet research*
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- **Outgroup Machine Learning Approach Identifies Single Nucleotide Variants in Noncoding DNA Associated with Autism Spectrum Disorder**
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