



Charlotte Brannon

Ph.D. Student in Biology, admitted Autumn 2020

Publications

PUBLICATIONS

- **Storing and analyzing a genome on a blockchain.** *Genome biology*
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- **Privacy-preserving genotype imputation with fully homomorphic encryption** *CELL SYSTEMS*
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- **Functional genomics data: privacy risk assessment and technological mitigation.** *Nature reviews. Genetics*
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- **Author Correction: Functional genomics data: privacy risk assessment and technological mitigation.** *Nature reviews. Genetics*
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- **Data Sanitization to Reduce Private Information Leakage from Functional Genomics.** *Cell*
Gursoy, G., Emani, P., Brannon, C. M., Jolanki, O. A., Harmanci, A., Strattan, J. S., Cherry, J. M., Miranker, A. D., Gerstein, M.
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- **FANCY: fast estimation of privacy risk in functional genomics data** *BIOINFORMATICS*
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2020; 36 (21): 5145-5150
- **Using Ethereum blockchain to store and query pharmacogenomics data via smart contracts** *BMC MEDICAL GENOMICS*
Gursoy, G., Brannon, C. M., Gerstein, M.
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- **Division of labor in bacteria The emergence of subpopulations that perform distinct metabolic roles has been observed in populations of genetically identical bacteria.** *ELIFE*
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