

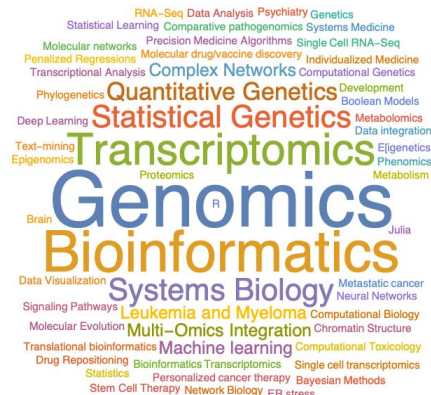
CoCoH 2019

Aug 27, 2019, 12-2PM.

Secchia Center, Grand Rapids, MI

Sponsored by:

- **MSU College of Human Medicine**
- **MSU College of Natural Science**
- **Spectrum Health**
- **Institute for Quantitative Health Science and Engineering (IQ)**



| No. | Presenter | Title |
|-----|----------------------------|--|
| 1. | Renming Liu | Supervised-learning is an accurate method for network-based gene classification |
| 2. | Shuyue Xue | Characterization of Drug-Induced Perturbation Using Gene Expression Networks |
| 3. | Jacek Cholewicki | Computational Modeling to Understand the Complexity of Low Back Pain |
| 4. | Eren Veziroglu | Longitudinal individualized saliva omics profiling |
| 5. | Omar Zade Kana | Classification of nuclear receptor binding sites involved in hepatic Cytochrome P450 gene regulation |
| 6. | Luca Fagnocchi | Phenotypic, transcriptional and epigenetic analysis of human cohorts of obese patients |
| 7. | Sergii Domanskyi | PyLOmica: Longitudinal Omics Analysis and Classification |
| 8. | Sergii Domanskyi | Modeling disease progression in Multiple Myeloma with Hopfield networks and single-cell RNA-seq |
| 9. | Bin Chen | An open platform for virtually screening therapeutics targeting precise pediatric cancer patient groups using gene expression features |
| 10. | David Filipovic | Deep Learning-based Prediction of Long-Range Chromatin Interactions |
| 11. | Alexa Lupi | Dissecting genetic pleiotropy between hyperuricemia and chronic kidney disease using local Bayesian regression methods |
| 12. | Agustin Gonzalez-Reymundez | A framework for integrating multi-layer omic data that performs simultaneous selection of features and clustering of subjects |
| 13. | Fernando Aguater | Multi-trait model to detect genetic pleiotropy from summary data |
| 14. | Wenjie Qi | A combination of DNA sequence and epigenetic modifications accurately predicts genome-wide Aryl Hydrocarbon Receptor binding sites |
| 15. | Yingying Wu | Comparison Theorems of Phylogenetic Spaces and Algebraic Fans |
| 16. | Chris Mancuso | Network-guided geneset analysis of genomic data with node embeddings |
| 17. | Sarah Hulbert George | Probing Social Motivation with Eye Tracking |