

Schedule for CoCoH 2019

Aug 27, 2019

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)**

8:30 am	9:00 am	Registration & Poster set-up
9:00 am	9:10 am	Welcome & Opening remarks
9:10 am	9:40 am	Keynote 1: Keith English (MSU) (25 min talk + 5 min Q&A)
Session 1: 9.40am-10.40 am (12 min talks + 3 min Q & A)		
9:40 am	9:55 am	Short talk 1.A George Mias (MSU/IQ) <i>Omics, Individualized Medicine and Detecting Adverse Events in Deep Space Missions</i>
9.55	10.10	Short talk 1.B Janani Ravi <i>An integrative computational evolutionary approach to accelerate the discovery of molecular targets in prevalent under-studied pathogens</i>
10.10	10.25	Short talk 1.C Jeremy Prokop <i>Building Precision Medicine Tools with Helen DeVos Children's Hospital</i>
10.25	10.40	Short talk 1.D Carlo Piermarocchi <i>Neural network models of cell dynamics in normal and hematological cancer cells</i>
10:40 am	11:00 am	Break
Session 2: 11am-12 pm (12 min talks + 3 min Q & A)		
11:00 am	11.15	Short talk 2.A Arjun Krishnan <i>Machine learning for fast and accurate for network-based gene classification</i>
11.15	11.30	Short talk 2.B Sudin Bhattacharya <i>Predictive models of gene regulatory networks in health and</i>

		<i>disease</i>
11.30	11.45	Short talk 2.C Gustavo de los Campos <i>Powerful & Safe: Bayesian Models & Decision Rules for GWA analyses with Big Data</i>
11.45	12.00	Short talk 2.D Yuehua Cui <i>High-dimensional mediation analysis in (epi)genomics studies</i>
Noon	2:00 pm	Lunch + Poster session
2:00 pm	2:30 pm	Keynote 2: Surender Rajasekaran (HDVCH) (25 min talk + 5 min Q&A):
Session 3: 2.30-3.30 pm (12 min talks + 3 min Q & A)		
2:30 pm	2:45 pm	Short talk 3.A Ana Vazquez <i>TBA</i>
2.45 pm	3.00 pm	Short talk 3.B Yuying Xie <i>Predicting Plant Stress Responses Using Deep Neural Network</i>
3.00 pm	3.15 pm	Short talk 3.C Adam Alessio <i>Where Artificial Intelligence Meets Quantitative Imaging Biomarkers</i>
3.15 pm	3.30 pm	Short talk 3.D Bin Chen <i>Harnessing big omics data and artificial intelligence to guide therapeutic discovery</i>
3:30 pm	4:45 pm	Research Speed-dating
4:45 pm	5:00 pm	Break
5:00 pm	5:30 pm	Keynote 3: Hui Shen (VAI) (25 min talk + 5 min Q&A)
5:30 pm	5:40 pm	Closing remarks
5:40 pm	8:00 pm	Reception Mixer in Secchia