

# Agenda

*for the*

## 8th Annual Louisiana Conference on Computational Biology and Bioinformatics

April 15-17, 2021

Virtual Meeting via Zoom

Thursday, April 15  
12:30 pm - 5:30 pm (CDT)

Friday, April 16  
12:30 pm - 5:30 pm (CDT)

Saturday, April 17  
9:00 am - 12:00 pm (CDT)

All Times given in Central Time Zone

## Thursday April 15, 2021

12:30 – 12:40 pm.....Day 1 Opening Remarks

### Session I: NIH STRIDES Initiative

12:40 – 1:00 pm.....Dr. R. Todd Reilly  
NIH STRIDES  
*The NIH STRIDES Initiative - Overview*

1:00 – 1:30 pm.....Dr. Ankit Malhotra  
Amazon Web Services  
*Transforming Biomedical Research with AWS*

1:30 – 2:00 pm.....Dr. Erin Chu  
Amazon Web Services  
*Powering the Open Science Flywheel*

2:00 – 2:15 pm.....Amazon Web Services Q&A

2:15 – 2:30 pm.....Break

2:30 – 3:00 pm.....Dr. Alexander Titus  
Google Cloud  
*Life Sciences with Google Cloud*

3:00 – 3:30 pm.....Dr. Ross Thomson  
Google Cloud  
*Google Cloud Platform for Science Productivity*

3:30 – 3:45 pm.....Google Cloud Q&A

3:45 – 4:00 pm.....Break

4:00 – 4:20 pm.....Mr. Matt Gieseke  
NIH STRIDES  
*The NIH STRIDES Initiative - Training Spotlight*

4:20 – 4:30 pm.....Day 1 Closing Remarks

4:30 – 5:30 pm.....Poster Session #1

## Friday April 16, 2021

12:30 – 12:50 pm.....Lakshmi Kumar Matukumalli  
NIGMS/NIH  
*Introductory Remarks*

### Session II

12:50 – 1:50 pm.....Dr. Lauren Ancel Meyers  
Director, UT COVID-19 Modeling Consortium, University of Texas at Austin  
*Modeling to Mitigate COVID-19 in a Large US City*

1:50 – 2:25 pm.....Dr. Sara Suliman  
Brigham and Women's Hospital, Harvard Medical School  
*Integration of Genetic and Transcriptional Profiles of Innate Cells to Decipher Mechanisms of TB Susceptibility*

2:25 – 2:45 pm.....Dr. Matthew Hayes  
Xavier University of Louisiana  
*Leveraging Hi-C and Whole Genome Shotgun Sequencing for Double Minute Chromosome Discovery*

2:45 – 3:00 pm.....Break

3:00 – 3:20 pm.....Md Wasi Ul Kabir  
University of New Orleans  
*A Sequence-based Machine Learning Method to Effectively Predict DNA and RNA Binding Residues*

3:20 – 4:20 pm.....Dr. Catherine Lozupone  
University of Colorado Anschutz Medical Campus  
*Systems Analysis of Gut Microbiome Influence on Metabolic Disease in HIV and High-risk Populations*

4:20 – 4:30 pm.....Day 2 Closing Remarks

4:30 – 5:30 pm.....Poster Session #2

## Saturday April 17, 2021

9:00 – 9:10 am..... Opening Remarks

### Session III

9:10 – 10:10 am.....Dr. Moriah Szpara  
The Pennsylvania State University  
*Herpes Simplex Viruses -- As Unique and Long-lived as their Human Hosts*

10:10 – 10:30 am.....Claire Birkenheuer  
Louisiana State University School of Veterinary Medicine  
*ICP22 maintains transcriptionally active RNA Polymerase II on the HSV-1 genome during lytic infection*

10:30 – 10:45 am.....Break

10:45 – 11:45 am.....Dr. Michelle Lacey  
Tulane University  
*Beyond p-Values: The Role of Statistics in Epigenetic Research*

11:45 - 12:00 pm..... Meeting Wrap-Up and Awards Announcement