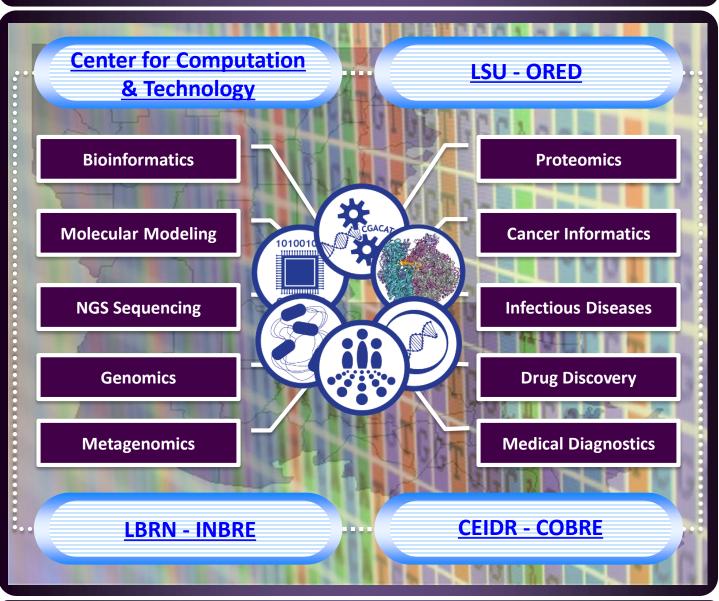
3rd LA Conference on Computational Biology & Bioinformatics

Apr. 17 & 18, 2015



Keynote Speaker

Anton Nekrutenko (Penn St. U) James Cavalcoli (Univ of Mich) Christopher Mason (Weil Cornell Med.)
Michael J Salbaum (PBRC)

At LSU Digital Media Center

- For registration, agenda, and other detail information, please visit Bioinformatics Conference page: http://lbrn.isu.edu/events/bioinformatics-conference/
- Conference Registration and Hotel Lodging (if required) Deadline:
 Wednesday, April 1st, 2015

Poster Abstract Deadline: Wednesday, April 1st, 2015

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3rd Annual Louisiana Conference on Computational Biology and Bioinformatics

April 17-18, 2015 Digital Media Center, LSU Baton Rouge

Agenda

April 17

1:10 pm - 1:20 pm	Welcome and Opening Remarks
С	Pr. Gus Kousoulas, Associate Vice President (LSU ORED)
Session I:	
Computational Tools Chair: Dr. Brygg Ulmer	and Bioinformatics I
1:20 pm - 2:20 pm	Dr. Anton Nekrutenko
"Next-generation sequen accessibility"	cing data interpretation: enhancing reproducibility and
	Penn State University, PA
2:30 pm - 2:55 pm	Dr. Brygg Ullmer
"Toward computational gand interactive supercom	enomics support via ecologies of tangible interfaces
	Louisiana State University CCT
2:55 pm - 3:20 pm	Dr. John R. Caskey
"Big Data and New Methoresult"	ds for Bioinformatics: Analysis from sequence to
	LSU School of veterinary Medicine and LSU CCT
3:20 pm - 3:45 pm	Dr. Diana Williams
"The Transcriptome of M	ycobacterium leprae During Log Phase Growth"
	National Hansen's Disease Program (LSU-SVM)
2.45 pp. 4.00 pp.	Ducale
3.45 pm - 4.00 pm	Break

Session II:

Computational Tools and Bioinformatics II Chair: Joohyun Kim

End of Day 1

Agenda

April 18

Session III: Applied Omics

Chair: Christopher Taylor
9:30 am - 10:30 am
Integrative Genomics in Single Cells, Entire Cities, and Astronauts
Weill Cornell Medical College, NY
10:30 am - 10:55 am Dr. Kui Yang
"Genome-wide screening of human haploid cell to identify cellular factor
essential for herpes simplex virus replication"
LSU SVM Baton Rouge
10:55 am - 11:20 am
"Deciphering the molecular markers of mycobacterial transmission and evolution
using comparative genomics"
National Hansen's Disease Program, LSU-SVM, Baton Rouge
11:20 am - 11:55 am Dr. Rebecca Christofferson
"Exploring arbovirus transmission assumptions"
LSU SVM Baton Rouge
12:00 am - 1:30 am Posters and Lunch

Chair: James Cavalcoli 1:30 am - 2:30 pm...... Dr. Michael J Salbaum "Functional Genomics of Birth Defects." Pennington Biomedical Research Center, LA 2:30 pm - 2:55 pm...... Dr. Juan J Martinez "Utilization of next generation sequencing technologies (RNAseg) to analyze the transcriptome of Rickettsia rickettsii during fatal Rocky Mountain Spotted Fever infections in a murine model of disease" LSU-SVM, Baton Rouge 3:00 pm - 3:25 pm...... Dr. Jong Hyun Ham "RNA-seg analyses revealed novel biological functions controlled by the intercellular signaling system of the rice pathogenic bacterium, Burkholderia glumae" Louisiana State University-Baton Rouge 3:25 pm - 3:50 pm...... Dr. Urska Cvek "A hypothesis-driven approach to identify functionally relevant transcription factor binding sites in ChIP-seq data" LSU Shreveport 3:50 pm Closing Remarks and Acknowledgements

Session IV: Infectious Diseases