

StringBio 2019: Program	
College of Arts, Sciences & Education (CASE) Florida International University, Miami, FL	

Saturday, November 16, 2019

Opening Ceremony CASE 241 Chair: Sharma Thankachan	
(8:50 – 9:00)	Opening Remarks
(9:00 – 10:00) Keynote	Shibu Yooseph: Identification of Biomarkers and Interactions from Microbiome Data

(10:00 - 10:30)	Coffee Break in PG6 Lobby
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Session I CASE 235 Chair: Brian Brubach	
(10:30 - 10:50)	Daniel Gibney: Exploiting High Repetitiveness in Compression, Indexing and Beyond
(10:50 - 11:10)	Marco Oliva: Overview of the Major Advancements in the r-index
(11:10 - 11:30)	Bahar Alipanahi: Dynamic Compressed De Bruijn Graphs
(11:30 - 12:00)	Hafez Eslami: Detecting Morphological Clones in Histopathology Images Using Deep Learning

(12:00 - 13:30)	Lunch Break in FIU Graham Center “8 th Street Kitchen”
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Session II CASE 235 Chair: Stephanie Hines	
(13:30 – 14:30)	Brian Brubach: Approximation via Declawing Intractable Matching Problems on Strings

(14:30 - 15:00)	Coffee Break in PG6 Lobby
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Session III CASE 235 Chair: Arpit Mehta	
(15:00 - 15:45)	Musfiqur Sazal: Causality in Bioinformatics
(15:45 - 16:05)	Sahar Hooshmand: Computing Average Common Substrings Over Run Length Encoded Sequences
(16:05- 16:10)	Closing Remarks