

## 7<sup>th</sup> IEEE BIBM Workshop on Long Non-Coding RNAs (BIBM-LncRNA)

Wuhan, China, December 17, 2025

(All times are local time in Wuhan, China)

*Workshop Chairs: Don Adjeroh, Xiaobo Zhou, Ivan Martinez, and Leonard Lipovich*

Time	Title	Presenter/Author
Dec. 17, 2025		
10:45-11:00am	Introduction	Workshop Chairs (Don Adjeroh, Leonard Lipovich, Xiaobo Zhou, Ivan Martinez)
11:00-11:40am	<b>Plenary Presentation:</b> RNA structural modularity and conformation dynamic in the transcriptome	<b>Jilin Zhang, PhD,</b> City University of Hong Kong Hong Kong, China
	<i>Presentations (for Accepted Papers)--1</i>	
11:40am-12:10pm	<i>Exploratory Analysis of the Regulation of Long Non-coding RNA Transcription with Nucleotide Large Language Models (15 minutes)</i>	<i>Wei Wang, Zhichao Hou, Tianfu Wu, Xiaorui Liu, and Xinxia Peng,</i> North Carolina State University, North Carolina, USA
	<i>Cardiac antisense long noncoding RNAs may exert their function via RNA:DNA triplex sites (15 minutes)</i>	<i>Benjamin Soibam and Yashvi Shastri,</i> University of Houston—Downtown, Houston, Texas, USA
12:10-12:40pm	<b>Invited Talk:</b> Computational-experimental integration pinpoints primate-specific long non-coding RNA genes that cause human disease: Case study, a primate-specific lncRNA from GWAS as a drug target in type 2 diabetes and obesity in a nonhuman primate model	<b>Leonard Lipovich, PhD,</b> Wenzhou-Kean University, China; Wayne State University, USA & Shenzhen Huayuan Biotech, China.
12:40-2:00pm	<b>Lunch</b>	
	<i>Presentations (for Accepted Papers)--2</i>	
	<i>Dissection of Type 1 Diabetes HLA/MHC Risk Regions for Potential Causal Noncoding Control (20 minutes)</i>	<i>Erica Kleinbrink,</i> McGill University, Montreal, Quebec, Canada
2:00-3:00pm	<i>Graph Neural Networks for LncRNA Sub-cellular Localization (20 minutes)</i>	<i>Weijun Yi, Gangqing Hu, and Donald A. Adjeroh</i> West Virginia University, Morgantown WV, USA
	<i>LncRNA Gene Polymorphisms in PCOS Etiology (20 minutes)</i>	<i>Sofia Yachneva, Ruba Ali, Svetlana Lomteva, and Leonard Lipovich</i> Southern Federal University, Rostov-on-Don, Russia, and Wenzhou-Kean University, China; Wayne State University, USA & Shenzhen Huayuan Biotech, China
3:00-4:00pm	<b>Keynote Presentation:</b> Contribution of lncRNAs to the generation of drug-tolerant persister cells	<b>Eleonora Leucci, PhD</b> KU Leuven, Leuven, Belgium
4:00-4:15pm	<b>Break</b>	
4:15-5:00pm	<b>Panel Session:</b> <i>Evolving lncRNA world: RNAs, LncRNAs in the Era of Artificial intelligence (AI)</i>	<b>Moderators:</b> Leonard Lipovich, PhD, Wenzhou-Kean University, China; Wayne State University, USA & Shenzhen Huayuan Biotech, China <i>Don Adjeroh, PhD, West Virginia University, USA</i>
5:00-5:05pm	<b>Closing Remarks</b>	