

IEEE BIBM 2022 Workshop on Long Non-Coding RNAs (BIBM-LncRNA)

Las Vegas, Nevada, USA, December 7, 2022)

(All times are Pacific Standard Time (PST))

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

Workshop is being held in a mixed-mode this year : in-person in Las Vegas, USA, and also remote/virtual

Time	Title	Presenter/Author
Dec. 7, 2022		
10:25-10:30am PST	Introduction	Workshop Chairs <<DA, LL, IM, XZ>>
10:30-11:30am PST	Keynote: Evolution, functions, and modes of action of long noncoding RNAs	Igor Ulitsky, PhD (online) Weizmann Institute of Science, Israel
11:30-12:15pm, PST	<i>Presentations (for Accepted Papers) Session 1</i> Genome-wide compendium of super-long noncoding RNAs during mouse heart development Identification of lncRNA-related protein-coding genes using multi-omics data based on deep learning and matrix completion Predicting the interactions between plant lncRNA-encoded peptide and protein using domain knowledge-based prototypical network	Benjamin Soibam. University of Houston-Downtown Houston, USA Meihong Gao and Xuequn Shang. Northwestern Polytechnical University, Xi'an, China Siyuan Zhao, Jun Meng, and Yushi Luan. Dalian University of Technology, Liaoning, China
12:15-2:00pm PST	Lunch	
2:00-2:30pm, PST	Invited Talk 1: Secondary Structure Global Alignment and Clustering for Improving Functional Classification and ncRNA Motif Discovery	David Hendrix, PhD (in-person) Oregon State University, Oregon, USA
2:30-3:15pm, PST	<i>Plenary Talk:</i> About Chomsky, patterns, non-coding RNAs and cancer therapy.	George Calin, PhD (online) University of Texas, MD Anderson Cancer Center, Texas, USA
3:15-4:00 pm, PST	<i>Presentations (for Accepted Papers) Session 2</i> Expression levels in whole blood of the long non-coding RNAs MZF1-AS1 and OIP-5-AS1 is related to asthma endotypes in adolescents. MHILDA: identifying disease-associated lncRNAs by extracting key features from integrated heterogeneous networks Impact of sequencing technologies on long non-coding RNA computational identification	Carlos A Guzmán-Martín, José J Leija-Martínez, Fausto Sánchez-Muñoz, Abraham Giacomani-Martínez, Javier González-Ramírez, and Fengyang Huang. University Autonomous of Baja California, Mexicali, México Mingrui Zhang, Junliang Shang, Tongdai Zhang, Qianqian Ren, Guozheng Zhang, and Yan Sun. Qufu Normal University, Shandong, China Alisson Gaspar Chiquitto, Lucas Otávio Leme Silva, Liliane Santana Oliveira, Douglas Silva Domingues, and Alexandre Rossi Paschoal. Federal University of Technology, Parana - UTFPR, Cornelio Procopio-PR, Brazil
4:00-4:15pm PST	Break	
4:15-4:45pm, PST	Invited Talk 2: Characterizing the Molecular Function of the Radiosensitizer Long Non-coding RNAs linc-SPRY3 in Male Lung Cancers	Ivan Martinez, PhD (in-person) West Virginia University, West Virginia, USA
4:45-5:45pm, PST	Panel Session <i>Evolving lncRNA world: Computation Meets Biology</i>	Moderators: Leonard Lipovich, PhD, CoM, MBRU, Dubai, UAE, & Don Adjeroh, PhD, West Virginia University, USA
5:45-6:00pm, PST	Closing Remarks	