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Professor of Pharmacology at the University of South Alabama
2023 USA National Alumni Association Faculty Innovator of the Year

21 H-Index

112 Research Articles

3915 Citations

Research Interests

RNA Therapeutics

Promoter-Enhancer Interactions

Cancer

microRNA

snoRNA

tRNA

Bacteriocidals

Virology

G4 Quadruplex DNA

Experimental Capabilities

Extracellular RNA Isolation

Next-Gen Sequencing

Oxford Nanopore Sequencing

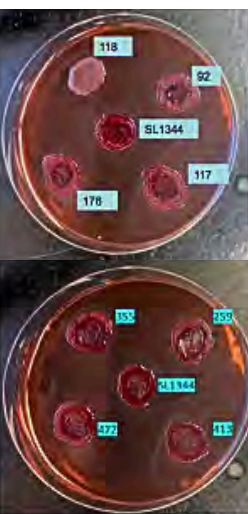
Bioinformatics

Transcriptomics

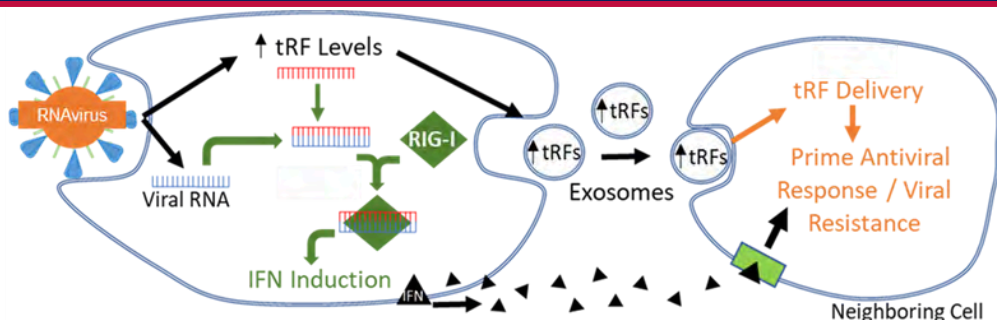
ChIP-seq

Characterization of

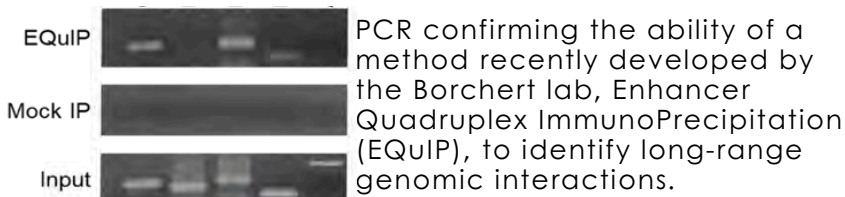
RNA Modifications



Model of proposed role of exosomal transfer RNA-derived fragments in antiviral immunity.



Morphotyping of Salmonella mutants to confirm a loss of their ability to form infection-relevant biofilms.



2021 Antibiotics

"Characterization of 475 Novel, Putative Small RNAs in Carbon-Starved Salmonella Enterica Serovar Typhimurium"

2022 Biomedicines

"Small Nucleolar Derived RNAs as Regulators of Human Cancer"

2020 Nucleic Acids Research

"Characterization of Long G4-rich Enhancer-Associated Genomic Regions Engaging in a Novel Loop"

2024

Journal of Biological Chemistry
"Stress Response of Salmonella Through sRNA-Mediated Regulation"



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