BGRS/SB-2020: 12th International Multiconference "Bioinformatics of Genome Regulation and Structure/Systems Biology", 06-10 July 2020, Novosibirsk, Russia

In God we trust

The role of microRNA-370 in Steroid-Resistant Focal Segmental Glomerulosclerosis

Sepideh Zununi Vahed, Seyedeh Mina Hejazian, Mohammadreza Ardalan

Presented by:

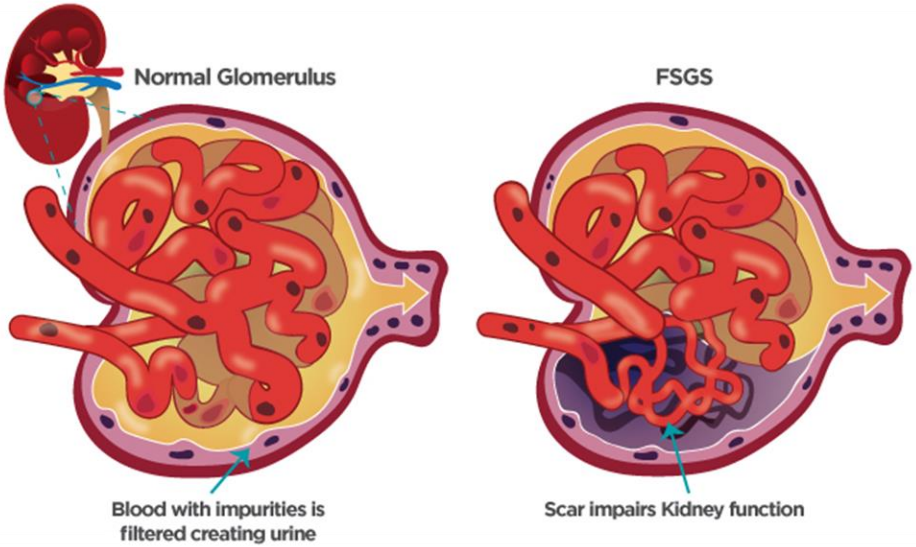
Sepideh Zununi Vahed

Assistant Professor of Medical Biotechnology

Kidney Research Center

Tabriz University of Medical Sciences

Focal segmental glomerulosclerosis (FSGS)



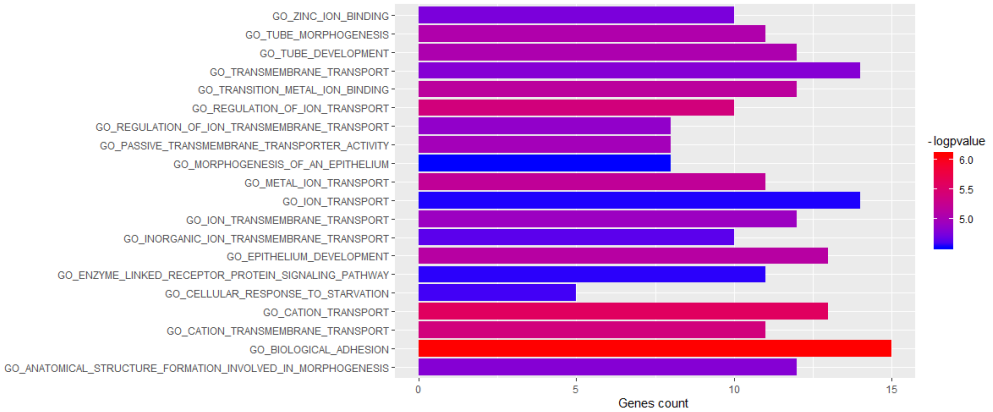
Methods

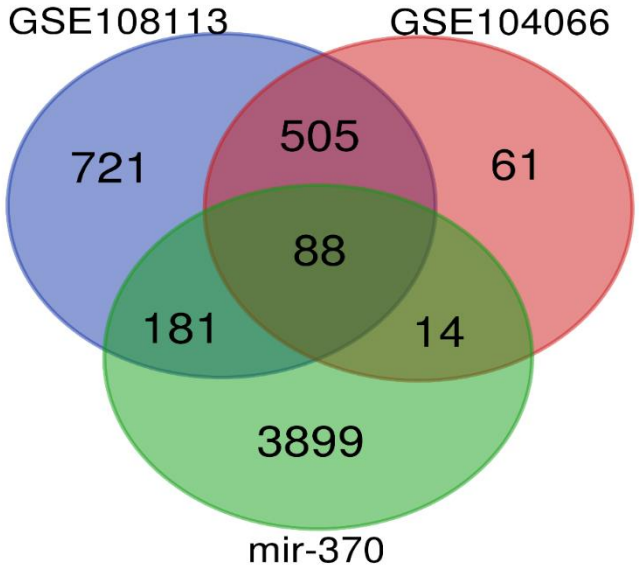
An in-silico analysis was performed to understand the signaling pathways and biological procedures that may be regulated by miR-370 in steroid-resistant FSGS.

Gene expression data sets were downloaded from GEO datasets to find the significant differentially expressed mRNA. The GEO2R online tool was used for determining the differential expression of genes. miRwalk online tool was utilized for predicting target mRNAs of the miRNA.

Results

GO annotation demonstrated that miR-370, mostly contributes to biological adhesion, cation transport, regulation of ion transport, cation transmembrane transport, and metal ion transport.





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