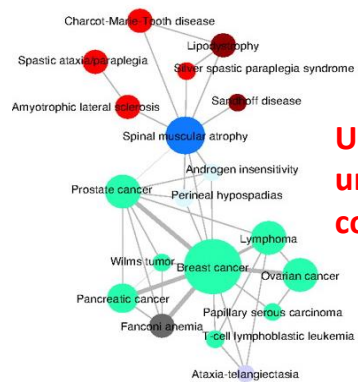


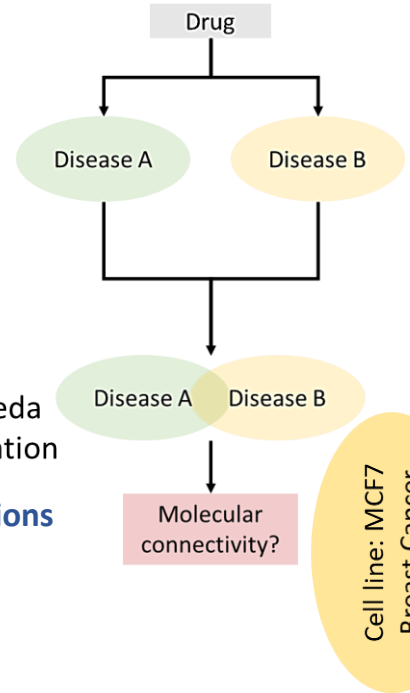
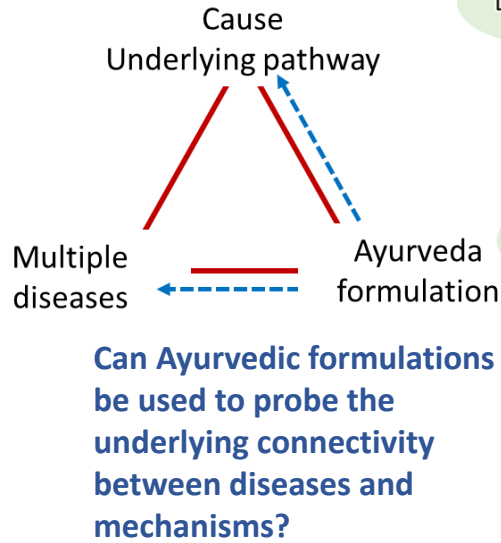
Problem

Disease gene network



Unexplored and unexplained connections

Hypothesis



Approach

Cissampelos pareira

Hormone imbalance
(*Stanyashodhana*)

Bleeding disorders



Sepsis

Viral fever
(*Jwaraghna*)

A) Analyze gene expression changes

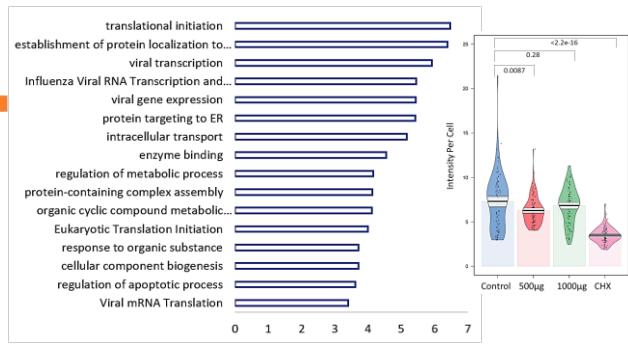
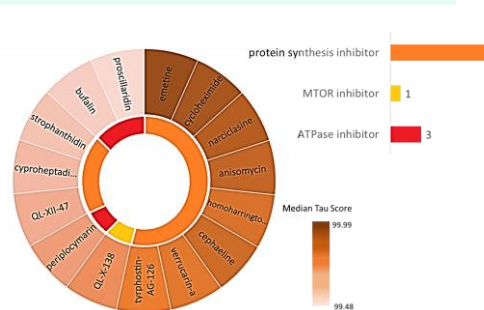
B) Find genesets and pathways

C) Find disease connections and connection with FDA approved drugs

Results

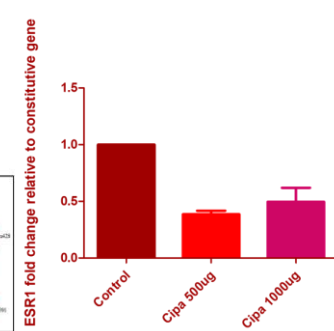
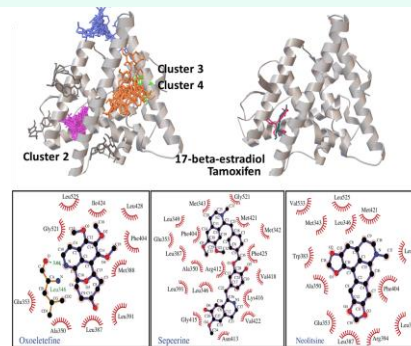
FDA drugs similarity and antiviral activity

Bioinformatics and validation



Estrogen modulation

Bioinformatics and validation



Connection between viral inhibition and estrogen modulation

