



AUTISM AND MULTI-OMICS

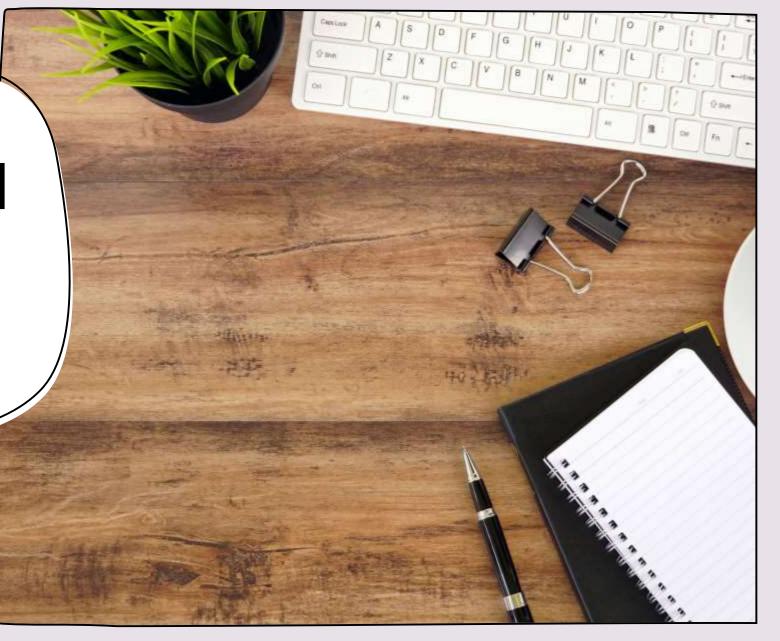
Multi-omics is like assembling a puzzle with pieces from different dimensions of biology to see the bigger picture

Autism and Gut health Research

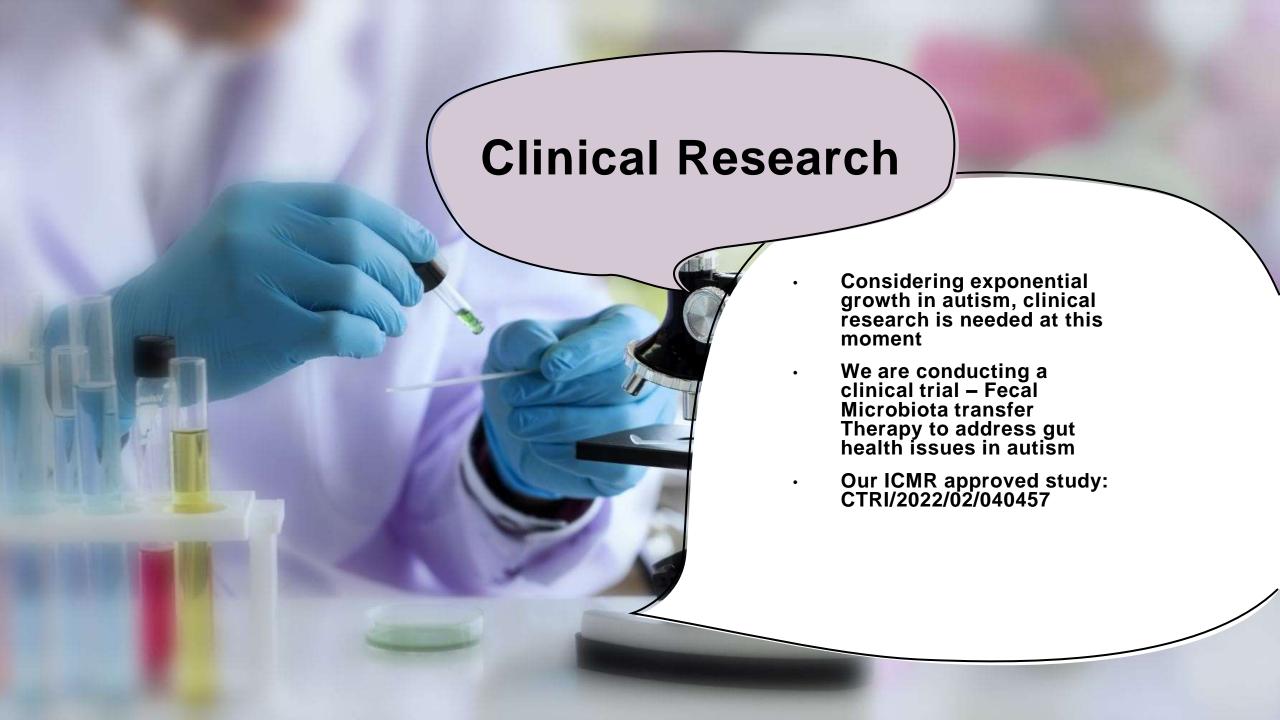
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- Study comprises two groups Treatment group and placebo group
- Treatment group receives fecal microbiota transplant and placebo group receives plain bowel cleanse program
- Each group has 50 participants
- A multi-omics panel of tests are done to both groups before and after treatment to assess the improvements



What is Multiomics panel

- A blood test done to evaluate genetics (whole exome sequencing), epigenetics (whole transcriptomics analysis, microRNA, Inc RNA sequencing, DNA Methylation studies), Proteomics and Metabolomics, food intolerance test to check immune dysregulation secondary to microbiome disruption
- A stool test is done to assess gut microbiome (metagenomics)

Multiomics Approach

