Genomic and Metabolomic Determinants of Neurological and Psychiatric Traits

1. Common genetic variants explain 20% of variance in lateral ventricular volume. *(this thesis)*

2. Amino acids, glycolysis-related metabolites, acute phase reaction markers and several lipoprotein subfractions associate with risk of stroke. *(this thesis)*

3. The composition of gut microbiota drives specific lipoprotein subfractions of very-low and high-density lipoprotein particles in the circulation. *(this thesis)*

4. *TTC25* gene affects symptoms of autism spectrum disorder in patients and general population. *(this thesis)*

5. Genes underlying general cognitive function associate with various circulating metabolites including amino and fatty acids and acute phase reaction markers. *(this thesis)*

6. Improving phenotypic accuracy will enrich the yield using current molecular approaches. *(Samuels et al., Trends Genet, 2009)*

7. The breadth and depth of data and the ability to integrate these, should lead to many more discoveries. *(Wijmenga et al., Nat Genetics, 2018)*

8. Data harmonization is prerequisite for integration of omics data across studies. *(Kolker et al., OMICS, 2014)*

9. Integration of metabolomic data into systems biology approaches will provide a missing link between genes and disease state. *(Joseph Loscalzo, 2017)*

10. Nineteenth century health was transformed by clear, clean water. In the twenty-first century, health will be transformed by clean, clear knowledge. *(Sir Muir Gray, 2009)*

11. Education is not the learning of facts, but the training of minds to think. *(Albert Einstein)*

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