Rett Syndrome (RTT) is a rare neurodevelopmental disorder caused by a single heterozygous loss-of-function mutation in the gene methyl-CpG-binding protein 2 (MECP2) found on the X-chromosome.

- MeCP2 protein is most abundant in neurons.
- Acts as an activity-dependent global transcriptional regulator.

**Morphological and functional hypoconnectivity**

IPS...