

## Q5\_Autism

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1. According to the Azmitia and Impallomeni article, cellular changes due to autism occur
- A Late in life
  - B During early development
  - C During the adolescent stages of life
  - D Affect multiple cell types in cortical and subcortical centers
  - E B and D
  - F B, C and D
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2. The telencephalon comprises
- A Primarily the frontal lobe
  - B Primarily the temporal lobe
  - C Both the frontal and temporal lobes
  - D The entire cerebrum which comprises the frontal and temporal lobes as well as multiple other brain regions.
  - E None of the above
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3. Analysis of autistic brains has shown that
- A There is an increase in neuron number in adolescence
  - B There is a decreased number of 5-HT<sub>2</sub> receptors
  - C There is a decreased number of GABA receptors
  - D BDNF levels are reduced in certain brain regions
  - E All of the above
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4. A loss of function (LoF) mutation can occur when
- A Chromatin is remodelled and a gene is not expressed
  - B A mutation occurs in a gene that results in lack of expression
  - C A mutation occurs in a gene that alters the function of the expressed gene
  - D All of the above
  - E None of the above
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5. TADA genes overlap with a number of disease related genes including epilepsy and schizophrenia
- A True
  - B False