

The Autistic Neuron: Troubled Translation

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自閉症(autism spectrum disorders (ASDs))的常見特徵：認知功能障礙 (cognitive impairment)，與此相對卻有著學者能力(savant abilities)。可能原因是因為某個相關的單基因突變，造成大腦中突觸蛋白的合成量和合成速度失調。相關疾病有Fragile X syndrome (FXS)、Tuberous sclerosis complex (TSC)、PTEN hamartoma syndrome (ASD with macrocephaly)、Neurofibromatosis type I、Rett's syndrome 等，找出可能的致病機轉之後，可以做為開發藥物預防和治療的依據，或是避免相關疾病的發生以減少自閉症的機率。

KEY WORD : autism spectrum disorders (ASDs)、cognitive impairment、savant abilities