SynGAP1-related intellectual disability: SYNGAP1-related intellectual disability is autosomal dominant disorder caused by haploinsufficiency of the Syngap1 gene that leads to a rare genetic developmental and epileptic encephalopathy (DEE) characterized by developmental delay, generalized epilepsy, intellectual disability and autism spectrum disorder (ASD). One $65,705 grant is available. We seek applicants that propose rigorous and comprehensive experiments to define endogenous regulation of SYNGAP1. Priority will be given to proposals that investigate the underlying signaling, transcriptional, epigenetic and genetic mechanisms of SYNGAP1 gene activation. Experimental strategies to exogenously activate SYNGAP1, in either human cells or animal models, will be especially well received