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Saber Elaydi*, One Trinity Place, San Antonio, TX. *Discretization of some neuroscience continuous models.*

We will consider neuroscience models describing the aggregation process of the tau and beta-amyloid. These models arise in the study of the causes of Alzheimer's Disease (AD). The dimension of these models ranges from 5 to 7 depending on the number of stages of aggregation considered. (Received September 15, 2020)