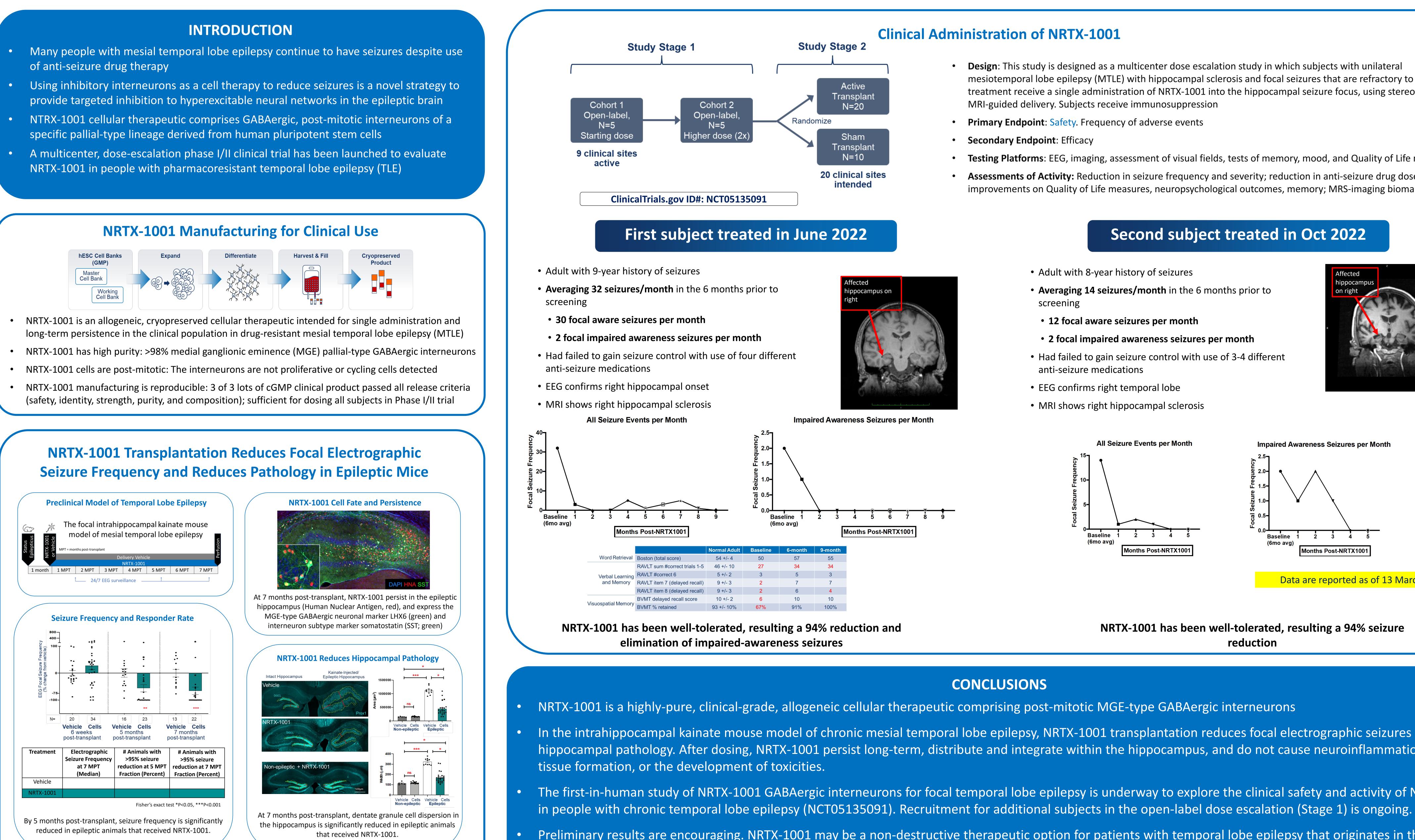
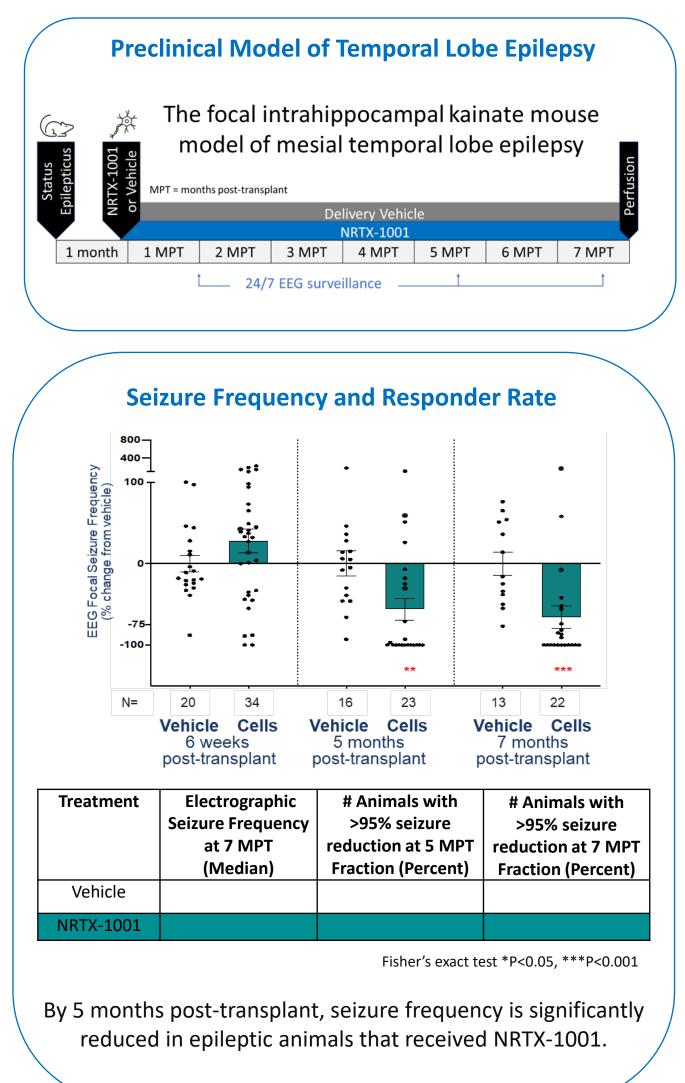
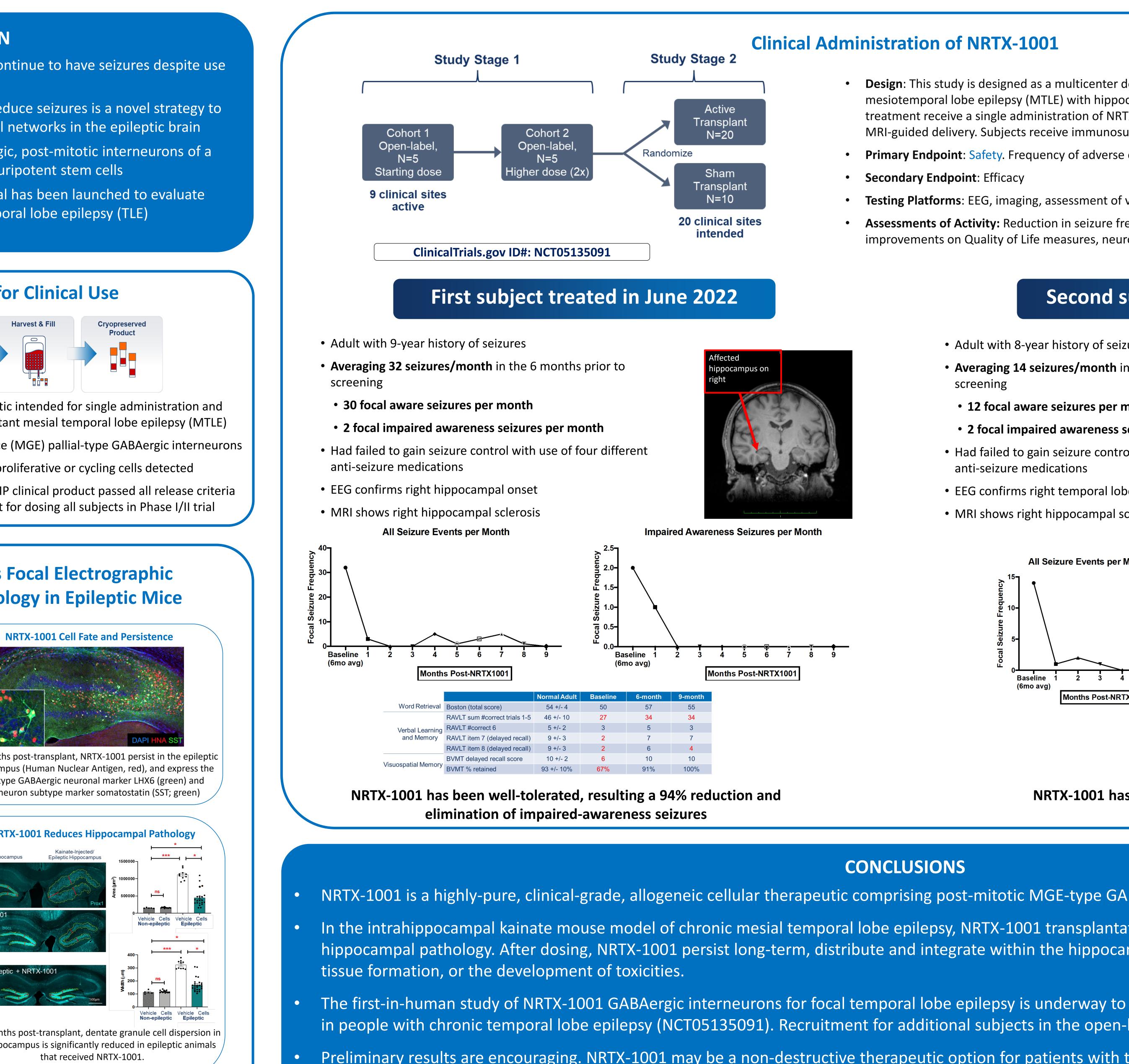
First-in-Human Trial of NRTX-1001 GABAergic Interneuron Cell Therapy for **Treatment of Focal Epilepsy - Emerging Clinical Trial Results**

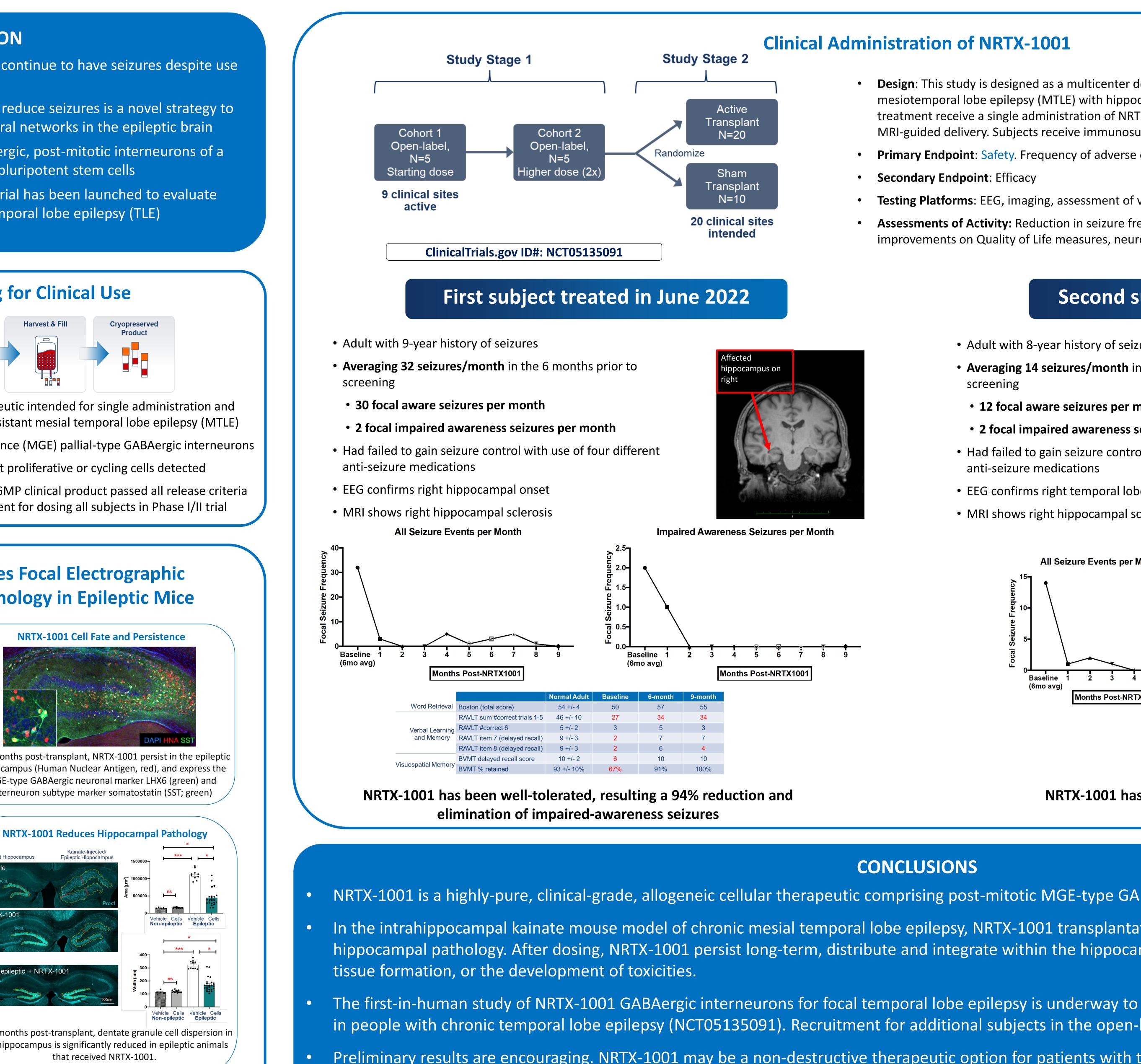
Harish Babu^{1,a}, Robert Beach^{1,a}, Kim Burchiel^{2,a,b}, David Spencer^{2a}, Andrew Adler^{3,c}, David Blum^{3,c}, Alessandro Bulfone^{3,c}, Brianna Feld^{3,c}, Holly Finefrock^{3,c}, Ji-Hye Jung^{3,c}, Rose Larios^{3,c}, Seonok Lee^{3,c}, Sheri Madrid^{3,c}, Catherine Priest^{3,c}, Sergei Shevchuk^{3,c}, Cory Nicholas^{3,c} Affiliations: 1- SUNY Syracuse; 2- Oregon Health Sciences University; 3- Neurona Therapeutics. Disclosures: a) paid as investigator for this clinical trial; b) paid as consultant to Neurona; c) employee and/or shareholder of Neurona Neurona Therapeutics, 170 Harbor Way, South San Francisco, CA 94080, USA, www.neuronatherapeutics.com

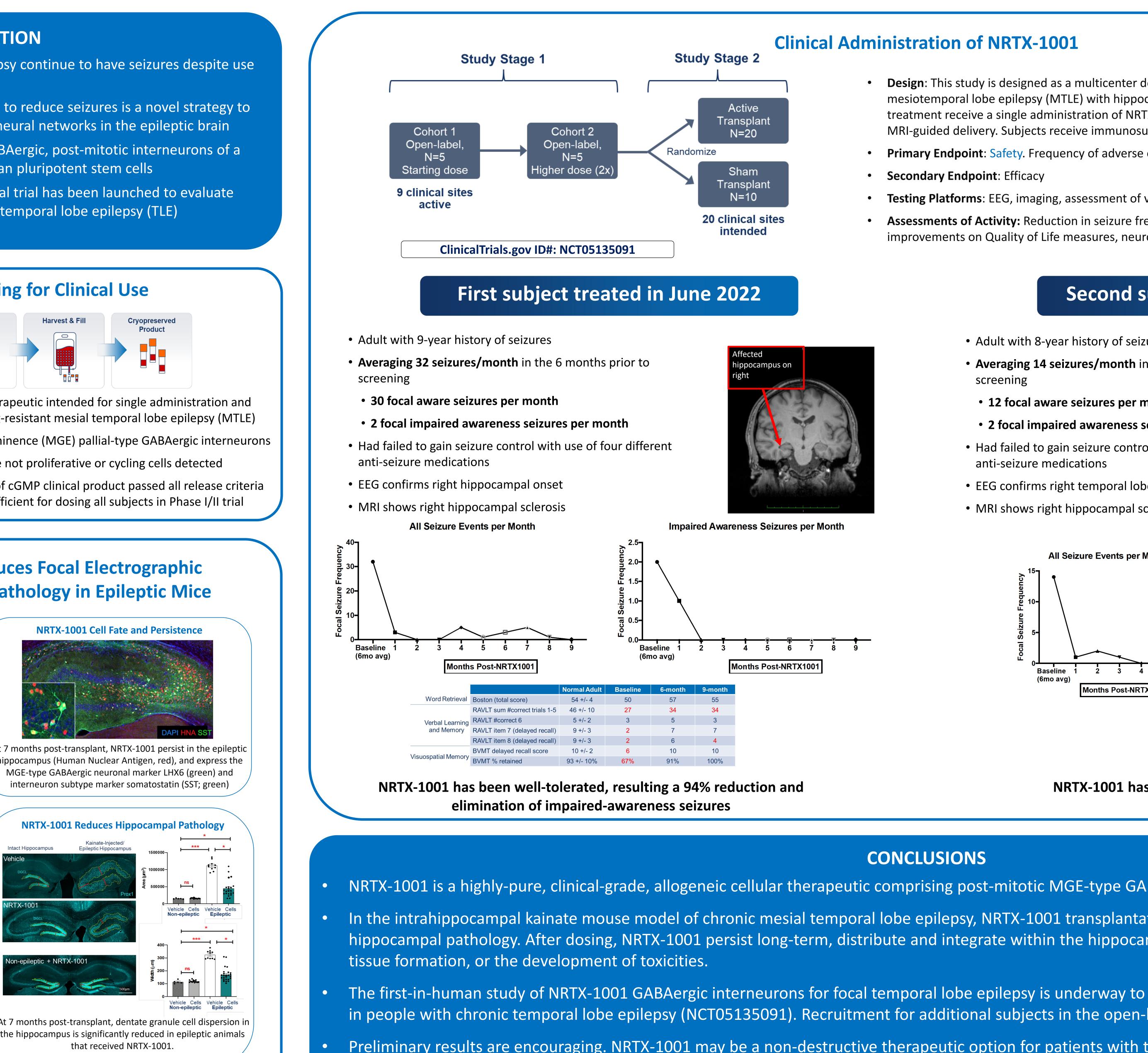
- of anti-seizure drug therapy











In the intrahippocampal kainate mouse model of chronic mesial temporal lobe epilepsy, NRTX-1001 transplantation reduces focal electrographic seizures and hippocampal pathology. After dosing, NRTX-1001 persist long-term, distribute and integrate within the hippocampus, and do not cause neuroinflammation, ectopic

The first-in-human study of NRTX-1001 GABAergic interneurons for focal temporal lobe epilepsy is underway to explore the clinical safety and activity of NRTX-1001

Preliminary results are encouraging. NRTX-1001 may be a non-destructive therapeutic option for patients with temporal lobe epilepsy that originates in the dominant or non-dominant hippocampus who do not choose to undergo resection, and for those with bilateral temporal lobe epilepsy.

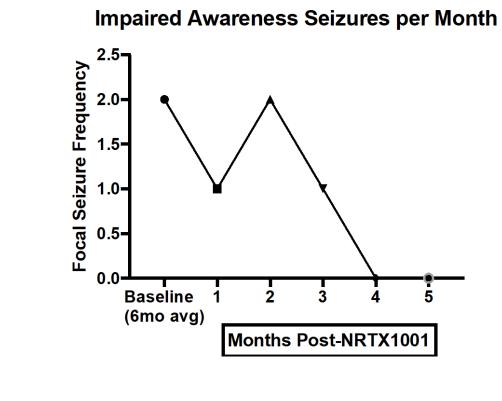


Design: This study is designed as a multicenter dose escalation study in which subjects with unilateral mesiotemporal lobe epilepsy (MTLE) with hippocampal sclerosis and focal seizures that are refractory to drug treatment receive a single administration of NRTX-1001 into the hippocampal seizure focus, using stereotactic

Testing Platforms: EEG, imaging, assessment of visual fields, tests of memory, mood, and Quality of Life measures **Assessments of Activity:** Reduction in seizure frequency and severity; reduction in anti-seizure drug doses; improvements on Quality of Life measures, neuropsychological outcomes, memory; MRS-imaging biomarkers

ippocampus

Second subject treated in Oct 2022



Data are reported as of 13 March 2023

NRTX-1001 has been well-tolerated, resulting a 94% seizure reduction

Please extend questions to: david.blum@neuronatx.com or abulfone@neuronatx.com