Effects of NE3107 Antiinflammatory Treatment on Motor Activity and Neurodegenerative Features of Parkinson's Disease in a Marmoset Monkey Model

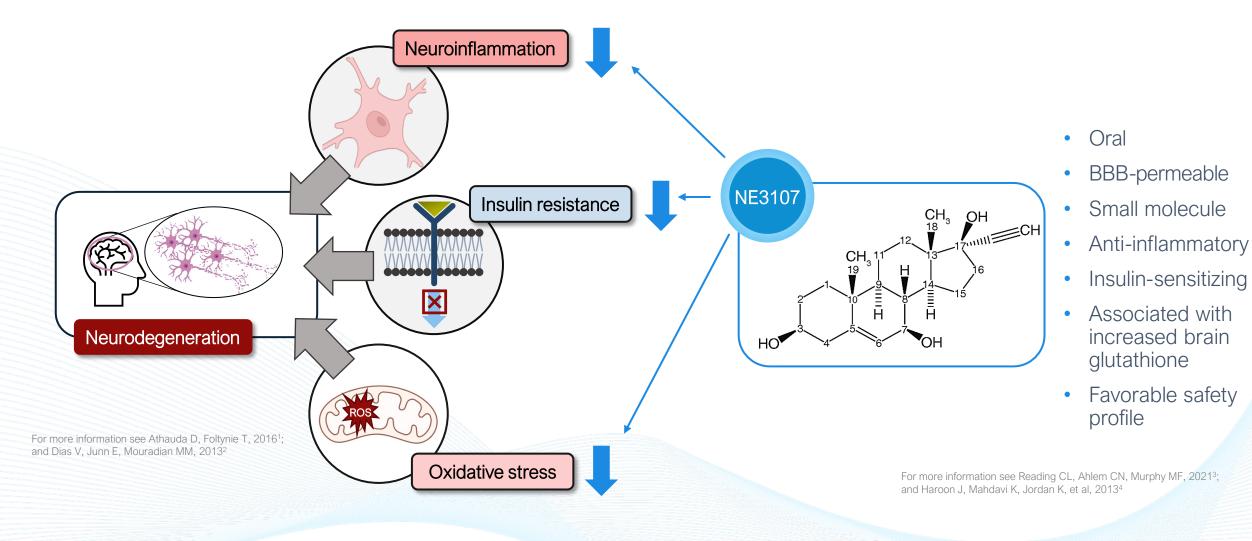
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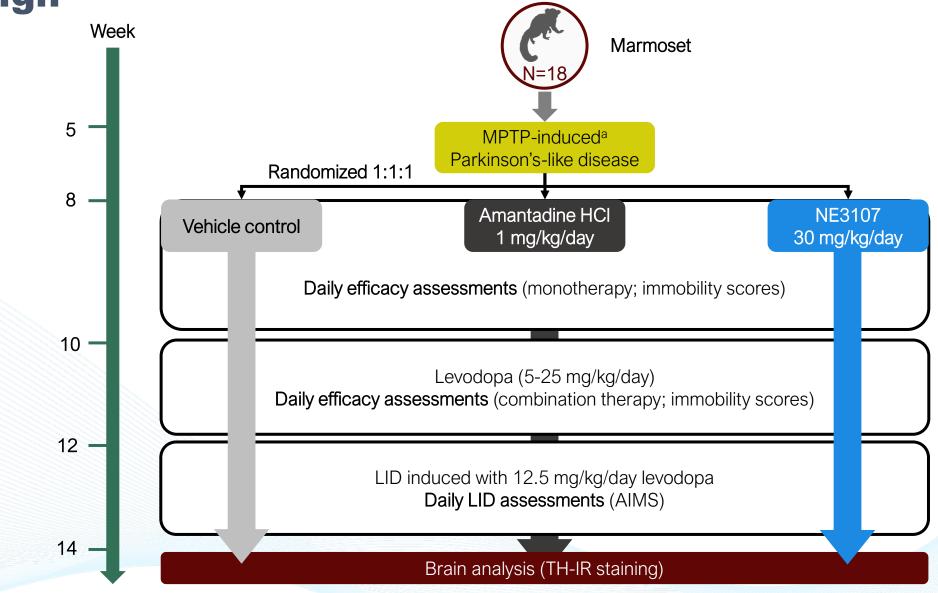
This research was sponsored by a Therapeutics Development Initiative grant from the Michael J. Fox Foundation for Parkinson's Research

Presented at the 2023 International Congress of Parkinson's Disease and Movement Disorders | August 27-31, 2023 | Copenhagen, Denmark

## Background



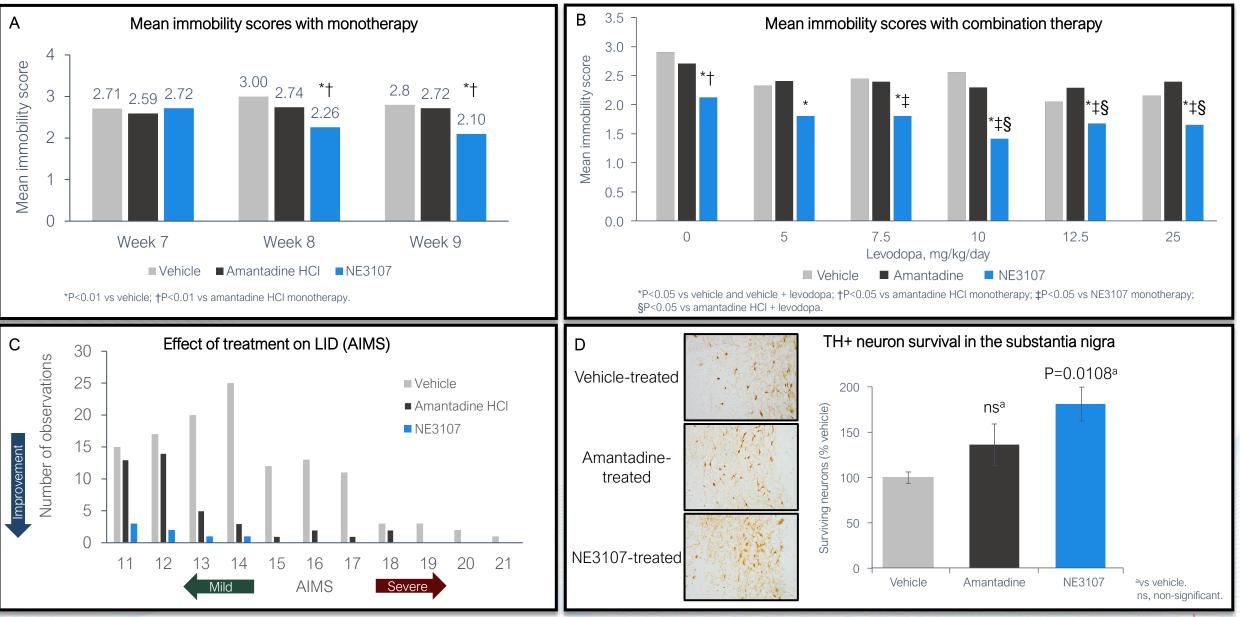
# **Study design**



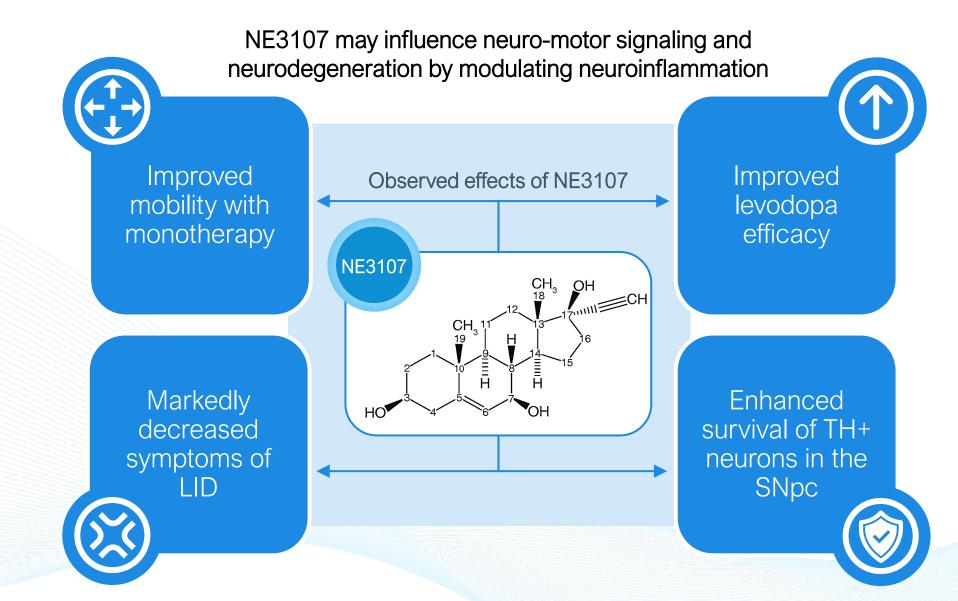
<sup>a</sup>Administered subcutaneously on days 3-5 of week 5 and days 1 and 3 of week 6 for a total of 6.5 mg/kg.

AIMS, Abnormal Involuntary Movement Score; LID, levodopa-induced dyskinesia; MPTP, 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine; TH-IR, tyrosine hydroxylase-immunoreactive.

### **Results**



### **Conclusions**



#### **Questions**

Marmoset PD study: poster #1353

Category: Parkinson's Disease: Pharmacology and Therapy Exhibition Hall: August 30 (1-3 pm)

Efficacy data from a phase 2 trial of NE3107 in patients with PD: poster #2 Category: Clinical Trials and Therapy in Movement Disorders (non-PD) (non-Dystonia) Exhibition Hall: August 28 (1-3 pm)

Safety and pharmacokinetics data from a phase 2 trial of NE3107 in patients with PD: poster #1 Category: Clinical Trials and Therapy in Movement Disorders (non-PD) (non-Dystonia) Exhibition Hall: August 28 (1-3 pm)

### References

- 1. Athauda D, Foltynie T. Insulin resistance and Parkinson's disease: a new target for disease modification? Prog Neurobiol. 2016;145-146:98-120.
- 2. Dias V, Junn E, Mouradian MM. The role of oxidative stress in Parkinson's disease. J Parkinsons Dis. 2013;3(4):461-491.
- 3. Reading CL, Ahlem CN, Murphy MF. NM101 phase III study of NE3107 in Alzheimer's disease: rationale, design and therapeutic modulation of neuroinflammation and insulin resistance. Neurodegener Dis Manag. 2021;11(4):289-298.
- 4. Haroon J, Mahdavi K, Jordan K, et al. Biomarker assessments from a phase 2, open-label study of NE3107 in patients with cognitive decline due to degenerative dementias. Poster presented at: Clinical Trials on Alzheimer's Disease (CTAD) Conference; November 29-December 2, 2022; San Francisco, CA.

## **Acknowledgments and disclosures**

Acknowledgments

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**Disclosures** CA and CLR are employees of BioVie Inc. IHCHMP has nothing to disclose.