

A World-Class Scientific Advisory Board

Harnessing the Power of the Cellular Stress Response

The lack of tailored treatments for sufferers of Young Onset Parkinson's Disease (YOPD) has destroyed countless lives. The good news: recent advances at NysnoBio may point toward a gene-based cure for YOPD, as well as late-Onset Parkinson's and other challenging CNS disorders.

To guide this promising new research, NysnoBio has assembled an unmatched team of scientific advisors to advance the gene science, clarify viral vector deliveries, design safe and effective surgical techniques, and develop the testing and monitoring regimes needed to bring these new medicines to market.

Parkin Gene Therapy: A Diamond in the Rough

Human beings who are missing both copies of the Parkin gene are destined to be diagnosed with Parkinson's Disease between the ages of 25 and 40. These patients suffer from profound loss of dopamine neurons. NysnoBio's gene therapy program is designed to deliver meaningful clinical validation within this focused patient population. Our ultimate goal is to translate this positive clinical outcome to all Parkinson's Disease (PD) patients.

Parkin is a highly validated E3 ubiquitin ligase with demonstrated therapeutic potential in neurology, and we at NysnoBio have dedicated our careers to studying it. Neuroprotection using Parkin gene therapy is already validated through a legion of animal studies using established model systems. There is also a mountain of data validating the efficacy of the ability of the Parkin protein to protect against cellular stress. For these reasons we are able to quickly translate from preclinical validation to our current status of IND-enabling studies.

NysnoBio's Team Members Have Led the Field

- first to identify the Parkin gene linked to PD
- first to demonstrate Parkin is an E3 ubiquitin ligase
- first to publish a crystal structure demonstrating key aspects of enzymology
- greater than 20 years expertise in gene therapy using AAV
- clinical neuroimaging expertise, ensuring definitive results in the clinic

We made the discovery. Our goal is to make the cure.™

NysnoBio's Scientific Advisory Board – Three Decades, One Common Goal

Jennifer A. Johnston,
Ph.D.



NYSNO^{bio}
Expert in Parkin
Biology / Cofounded
NysnoBio

Professor J. William
Langston



**Stanford
University**
The Father of
Modern PD
Research

Professor Nobutaka
Hattori



JUNTENDO UNIVERSITY
Established 1938
ID'd Parkin Gene
and Established
Ligase Activity

Deniz Kirik, M.D.,
Ph.D.



LUND UNIVERSITY
Leader in Gene
Therapy Technology

Andres M. Lozano,
OC, M.D., Ph.D.



**UNIVERSITY OF
TORONTO**
Pioneered DBS
Technique Now
Widely Used for PD

Eugene M. Johnson,
Jr., Ph.D.



**Washington
University in St. Louis**
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Factor Treatment for
Neurology