

## About the Feinstein Institute for Medical Research

Headquartered in Manhasset, New York, the Feinstein Institute for Medical Research is home to international scientific leaders in many areas including Parkinson's disease, Alzheimer's disease, psychiatric disorders, rheumatoid arthritis, lupus, sepsis, human genetics, pulmonary hypertension, leukemia, neuroimmunology and medicinal chemistry. The Feinstein Institute, part of North Shore-LIJ Health System, ranks in the top fifth percentile of all National Institutes of Health grants awarded to research centers. Currently 2,100 research studies are being conducted across the health system and 15,000 participants are enrolled in studies annually.

### Contact Information

For more information about our research program, or to find out if you are able to participate in a study, please call our research coordinators:

**Toni Fitzpatrick, MA**  
Phone: (516) 562-2685  
Email: [tflanaga@nshs.edu](mailto:tflanaga@nshs.edu)

**Loreta Quartarolo, BS**  
Phone: (516) 562-1168  
Email: [lquartar@nshs.edu](mailto:lquartar@nshs.edu)

### The Feinstein Institute for Medical Research

350 Community Drive  
Manhasset, NY 11030  
(516) 562-3467 (FIMR)  
[feinsteininstitute.org](http://feinsteininstitute.org)

## Parkinson's Disease Research

The Center for Neurosciences  
Functional Brain Imaging Laboratory



*A Morris K. Udall Center of Excellence  
for Parkinson's Disease Research*



The Feinstein Institute  
for Medical Research 



## The Center for Neurosciences

The Center for Neurosciences at The Feinstein Institute for Medical Research conducts one of the nation's leading brain imaging programs led by neuroscientist, David Eidelberg, MD. The program is internationally recognized for developing new techniques to identify and measure patterns and circuits of brain function in people with neuro-degenerative disorders such as Parkinson's disease, Huntington's disease and dystonia.

In 2010, the Center for Neurosciences received a five-year grant from the National Institutes of Health as part of the **Morris K. Udall Centers of Excellence for Parkinson's Disease Research program**. This prestigious award currently supports several important Parkinson's disease research projects at the Center for Neurosciences.

### How can I participate in a Parkinson's research study?

Your participation in research will help us to understand how Parkinson's disease affects brain function. You may be eligible to participate in our research studies if you have Parkinson's disease or any of the following conditions:

- Multiple system atrophy
- Progressive supranuclear palsy
- Corticobasal ganglionic degeneration
- Rapid eye movement sleep behavior disorder

If you do not have any of the above neurological conditions you may still be able to participate in Parkinson's research as a healthy volunteer.



## What can I expect if I participate in a research study?

Research participants will be given:

- A physical examination by a doctor who specializes in Parkinson's disease
- Neuropsychological testing (testing related to thinking and learning)

You will also be asked to participate in state-of-the-art brain imaging which includes:

- Positron Emission Tomography (PET) and Magnetic Resonance Imaging (MRI)

### What topics are being studied?

- **Dyskinesia:** Body movements that you are unable to control that can happen as a result of taking Parkinson's medication. What is the cause of this side effect?
- **Cognition:** Memory and thinking difficulty in Parkinson's disease.
- **Medication:** Effect of treatment on patients taking medication for the first time.
- **Diagnosis:** Can brain imaging tell apart patients with Parkinson's disease from patients with another form of the disease (such as multiple system atrophy)?
- **Early Detection:** Are patients with rapid eye movement sleep behavior disorder at-risk for Parkinson's disease?

The Feinstein Institute for Medical Research is the collaboration of creative thinkers who share a singular focus of advancing science to prevent disease and cure patients. Only the Feinstein Institute for Medical Research empowers imagination, removes barriers to original thought and supports pioneering discovery.