

Brooklyn Frontiers in Science
The American Chemical Society Brooklyn Subsection
and the NYU Tandon School of Engineering present a free lecture to the public.

Brooklyn Frontiers in Science Lecturer
Professor Gregory A. Petsko

03.14.2019 | 5:30 – 7:00 PM | Pfizer Auditorium

NYU Tandon School of Engineering | 5 Metrotech Center | Brooklyn, NY 11201
Refreshments at 5:30 pm and Lecture at 6:00 pm

**The Coming Epidemic of
Neurodegenerative Disease and
What Science is Doing About It**

The research interests of Professor Petsko bring a chemical perspective to bear on problems in biochemistry, structural biology, cell biology, and human health. His primary research tools are: protein X-ray crystallography, molecular dynamics, site-directed mutagenesis and, more recently, yeast genetics. These tools are applied to diverse biochemical problems such as: the structural origins of enzyme catalytic power; the functional role of protein flexibility; the biochemistry and genetics of the quiescent state of the eukaryotic cell, using yeast as a model organism, and the causes and treatment of neurodegenerative diseases such as Alzheimer's and Parkinson's Disease and Lou Gehrig's Disease (ALS).

Gregory A. Petsko is currently Professor of Neurology, Harvard Medical School and Brigham and Women's Hospital. Formerly he was Professor of Neurology and Neuroscience and Director, Helen and Robert Appel Alzheimer's Disease Research Institute, Weill Cornell Medical College; Adjunct Professor of Biomedical Engineering, Cornell University; and Professor of Biochemistry and Chemistry, Emeritus, Brandeis University.



Free and open to the public

Please register at <http://www.newyorkacs.org/meetings/Brooklyn/Frontiers.php>