

- 1:20 pm Cognitive Testing in Subjects with GD and Parkinsonism *E. Wiggs*
- 1:40 pm Phenotypic Spectrum of Gaucher - PD Cases:
Studies with Neuroimaging *R. Pullman-Sunders*
- 2:00 pm Cognitive and Motor Manifestations of *GBA* Carriers
With Early Onset PD *R. Alcalay*
- 2:20 pm PET Studies in Gaucher Patients and Carriers *K. Berman*
- 2:40 pm The Features of PD in Ashkenazi Subjects with
GBA Mutations *A. Orr-Urtreger*
- 3:00 pm** **Coffee Break**
- Mouse Models Session**
Moderator: E. Ginns
- 3:15 pm Nigrostriatal Alterations in a Pharmacological Model of
Gaucher Disease *A. Manning-Bog*
- 3:35 pm A Pilot Study of Alpha-Synuclein Expression in Brain of
Gaucher Mice *E. Ginns*
- 3:55 pm Occurrence and Distribution of Alpha-Synuclein in the
CNS of Mice with *GBA1* Mutations *G. Grabowski*
- 4:15 pm Genetic and Pharmacological Chaperone Modulations of
Brain GCase Activity Affects Synuclein Accumulation in Mice *S. Clark*
- 4:35 pm** **Open Discussion**
Moderators: R. Brady and E. Ginns
- 5:15 pm** **Adjournment**
- 6:00 pm** **Reception: Refreshments and Cash Bar: The FAES HOUSE**
(a few short blocks from the NIH Campus)

FRIDAY, APRIL 9, 2010

8:00 am Continental Breakfast

Basic Science Session
Moderator: M. Cookson

- 8:10 am Glucocerebrosidase and Synuclein Aggregation: Exploring Mechanisms in Brains and Cell Models *O. Goker-Alpan*
- 8:30 am Autophagic-Lysosomal Disruption and Glucocerebrosidase Dysfunction *H Yu*
- 8:50 am Biochemical Studies of Alpha-Synuclein in Brain Samples *J. Choi*
- 9:10 am Enhancement of Alpha-Synuclein Neurotoxicity by Glucocerebrosidase Depletion. *J. Mazzulli*
- 9:40 am Parkin Mediated Ubiquitination and Degradation of Mutant Glucocerebrosidase Variants *M. Horowitz*
- 10:00 am Gaucher Disease and Parkinson Disease: Are There Connected Pathways? *D. Ringe*

10:20 am Coffee Break

- 10:35 am A Hypothesis Testing Clinical Study for *GBA* Mutations in Parkinson Disease *R. Schiffmann*
- 10:55 am The Relationship Between Lipid Burden in Gaucher Patients and PD: A Hypothesis *A. Zimran*
- 11:15 am The Prion Hypothesis *E. Goldin*
- 11:35 am The Mitochondria Hypothesis *R. Youle*
- 11:55 am High Throughput Screening for Therapeutic Strategies for PD Patients with *GBA* Mutations *W. Zheng*
- 12:15 pm Lessons from *GBA* *J. Hardy*

12:35 pm Working Lunch and Open Discussion: Potential Collaborations and Conclusions

2:00 pm Adjournment