2:15 p.m. Katie Kopil, Ph.D. – The Michael J. Fox Foundation for Parkinson’s Research, USA
   Alpha-synuclein as a disease biomarker

2:45 p.m. Chester Mathis, Ph.D. – University of Pittsburgh, USA
   Alpha-synuclein imaging ligands

3:15 p.m. Break

3:40 p.m. DataBlitz IV
   Vivek K. Unni, M.D., Ph.D. – Oregon Health & Science University, USA
   In vivo imaging demonstrates progressive aggregation of alpha-synuclein and
   selective degeneration of Lewy inclusion-bearing neurons in a mouse model
   of Parkinsonism

3:50 p.m. Richard Fisher, Ph.D. – NeuroPhage Pharmaceuticals, Inc., USA
   Novel strategies to target misfolded alpha-synuclein

4:20 p.m. Eliezer Masliah, M.D. – University of California, San Diego, USA
   Alpha-synuclein immunotherapy

4:50 p.m. Discussion

5:05 p.m. Closing Remarks

Thank you to our sponsors!
**Wednesday, September 30, 2015**

7:30 a.m.  Continental Breakfast
8:30 a.m.  Introduction of Keynote Speakers
   Peter Jones, Ph.D., D.Sc. – Van Andel Research Institute, USA
8:40 a.m.  Maria Grazia Spillantini, Ph.D., FMedSci, FRS – University of Cambridge, UK
   Jay Van Andel Award for Outstanding Achievement in Parkinson’s Disease Research
   *Alpha-synuclein and its dysfunction in Parkinson’s disease*
9:15 a.m.  Robert Nussbaum, M.D., FACP, FACMG – University of California, San Francisco, USA
   Jay Van Andel Award for Outstanding Achievement in Parkinson’s Disease Research
   *Parkinson’s disease is a systematic illness: A new, emerging paradigm*
9:45 a.m.  Discussion
9:55 a.m.  Break
10:20 a.m.  Sreeganga Chandra, Ph.D. – Yale School of Medicine, USA
   *Normal alpha-synuclein function*
10:50 a.m.  Ronald Melki, Ph.D. – Neuroscience Paris-Saclay Institute, France
   *Biophysical characteristics and factors influencing alpha-synuclein aggregation*
11:20 a.m.  Discussion
11:35 a.m.  DataBlitz I
   Daniel Ysselstein – Purdue University
   *Impaired alpha-synuclein membrane interaction promotes aggregation and neurotoxicity in Parkinson’s disease*
11:45 a.m.  Lunch (Patient Discussion 12:00–12:45 p.m.)

**PATHOBIOLOGY I**

**SESSION CHAIR: Sreeganga Chandra, Ph.D. — Yale School of Medicine**

1:00 p.m.  Andrew Singleton, Ph.D. – National Institutes of Health, USA
   *Alpha-synuclein genetics and disease*
1:30 p.m.  Dennis Dickson, M.D. – Mayo Clinic, USA
   *Neuropathology in alpha-synucleinopathies*
2:00 p.m.  Tom Beach, M.D., Ph.D. – Banner Sun Health Research Institute, USA
   *Alpha-synuclein aggregation in peripheral tissues*
2:30 p.m.  Discussion
2:45 p.m.  Break

**PATHOBIOLOGY II**

**SESSION CHAIR: Darren Moore, Ph.D. — Van Andel Research Institute**

3:10 p.m.  Hilal Lashuel, Ph.D. – Ecole Polytechnique Fédérale de Lausanne, Switzerland
   Qatar Biomedical Research Institute, Qatar
   *Posttranslational modifications of alpha-synuclein*
3:40 p.m.  Michael Lee, Ph.D. – University of Minnesota, USA
   *The role of intracellular processing in the toxicity of alpha-synuclein*
4:10 p.m.  David Kleiman, Ph.D., FRS – University of Cambridge, UK
   *Conformational changes associated with toxicity and alpha-synuclein*
4:40 p.m.  DataBlitz II
   Evangelia Emmanouilidou, Ph.D. – Biomedical Research Foundation of the Academy of Athens
   *Gaba transmission via sur1-katp channels regulates alpha-synuclein secretion in mouse striatum*
4:50 p.m.  Discussion
5:15 p.m.  Poster Session

**Thursday, October 1, 2015**

7:30 a.m.  Continental Breakfast

**PATHOBIOLOGY III**

**SESSION CHAIR: John Q. Trojanowski, M.D., Ph.D.—University of Pennsylvania**

8:30 a.m.  Dennis J. Selkoe, M.D. – Harvard Medical School; Brigham and Women’s Hospital, USA
   *A new mechanism of alpha-synuclein-induced neurotoxicity: Tetramer-to-monomer conversion*
9:00 a.m.  Chee-Yeun Chung, Ph.D. – Yumanity Therapeutics, USA
   *Genetic and physical landscape of alpha-synuclein toxicity*
9:30 a.m.  Ana-Maria Cuervo, M.D., Ph.D. – Albert Einstein College of Medicine of Yeshiva University, USA
   *Alpha-synuclein degradation*
10:00 a.m.  Discussion
10:15 a.m.  Break

**PATHOBIOLOGY IV**

**SESSION CHAIR: Jeffrey Kordower, Ph.D.—Rush University Medical Center**

10:40 a.m.  Dimitri Krainc, M.D. – Northwestern University, USA
   *Interactions between alpha-synuclein and other genes associated with Parkinson’s disease*
11:10 a.m.  Virginia Lee, Ph.D. – University of Pennsylvania, USA
   *Alpha-synuclein cell-to-cell transfer*
11:40 a.m.  Patrik Brundin, M.D., Ph.D. – Van Andel Research Institute, USA
   *Cell and animal models to study the prion-like behavior of alpha-synuclein*
12:10 p.m.  DataBlitz III
   Amanda L. Woerman, Ph.D.  – University of California, San Francisco
   *Identification of alpha-synuclein prions in multiple system atrophy*
12:20 p.m.  Discussion
12:35 p.m.  Lunch (Patient Discussion 12:45–1:30 p.m.)
1:45 p.m.  Report from Rallying to the Challenge
   *Applying the right measure to the right person in the right situation*