NIH Toolbox Conference – Day 1

7:15 a.m. - 8:00 a.m.  Registration

8:00 a.m. – 8:10 a.m.  Welcome and Conference Overview  Molly Wagster, PhD

8:10 a.m. - 8:40 a.m.  Introduction/Commentary by NIH Directors  NIH Directors Panel
- Richard Hodes, MD (NIA)
- Robert Kaplan, PhD (OBSSR)
- Thomas Insel, MD (NIMH)
- James Battey, MD (NIDCD)
- Story Landis, PhD (NINDS)

8:40 a.m. - 9:00 a.m.  Rationale for the NIH Toolbox  Molly Wagster, PhD

9:00 a.m. - 10:50 a.m.  Theme: Framework of the NIH Toolbox
  - History and Overview  Richard Gershon, PhD
  - Cognition  Sandra Weintraub, PhD
  - Emotion  David Cella, PhD
  - Motor  David Reuben, MD
  - Break
  - Sensation and Pain  Howard Hoffman, MA
  - Panel and Q and A  Moderator

10:50 a.m. - 11:10 a.m.  Use of Item Response Theory and Computer Adaptive Testing In the NIH Toolbox  Richard Gershon, PhD

11:10 a.m. - 11:30 a.m.  Relationship to other NIH Measurement Initiatives  Claudia Moy, PhD

11:30 a.m. - 11:45 a.m.  Panel discussion/Q and A

11:45 a.m. – 1:00 p.m.  Lunch

1:00 p.m. -2:45 p.m.  Theme: Reports from Early Adopters of the NIH Toolbox
  - Use of NIH toolbox in patients with Parkinson’s Disease: A Preliminary Report  Mustafa Husain, MD
  - Acute Neurorehabilitation  Victor Mark, MD
  - Screening for Dementia in the Clinical Setting  Rhonna Shatz, DO
  - TBD
  - Traumatic Brain Injury  David Tulsky, PhD
  - Break
  - Collection of Genotypic Data for the NIH Toolbox Norming Sample (GENORM)  Tatiana Foroud, PhD
  - Panel Discussion with early adopters, Q and A
2:45 p.m. – 4:05 p.m.  **Theme: NIH Toolbox Use across the Lifespan and in Special Populations**

Video presentations:
- Kenneth Warren, PhD – NIAAA
- Alan Guttmacher, MD - NICHD
  
  - Pediatric use
  - Adults and Seniors, Diversity
  - Accessibility
  - Scoring and Normative Information

4:05 p.m. -4:30 p.m. **Obtaining and Using the NIH Toolbox: Public Website and Assessment Center**

Wrap-up, preview of Day 2

**NIH Toolbox Conference – Day 2**

**Objectives:**

1) Attendees will understand rationale for subdomain/instrument selection, and the characteristics (including psychometric properties) and appropriate uses of the instruments in the core batteries

2) Attendees will be introduced to what administration of the core tests looks like

**Introduction and overview to Day 2**

Each 90 minute session will begin with an overview of the battery and supplemental tests and then present each core instrument including a description of the instrument and construct assessed, its psychometric properties (reliability, validity any other relevant info) and a demonstration (video or live) of it being administered.

**Cognition Battery**

Overview of Battery  

NIH TB Picture Vocabulary  
NIH TB Flanker Inhibitory Control and Attention  
NIH TB List Sorting Working Memory  
NIH TB Dimensional Change Card Sort  
NIH TB Pattern Comparison Processing Speed  
NIH TB Picture Sequence Memory  
NIH TB Oral Reading  
Q and A

Sandra Weintraub, MD and Team Scientists

**Motor Battery**

Overview of Battery  

NIH TB 9-Hole Pegboard Dexterity  
NIH TB Grip Strength  
NIH TB Standing Balance  
NIH TB 4-Meter Walk Gait Speed  
NIH TB 2-Minute Walk Endurance  
Q and A

David Reuben, MD and Team Scientists
### Emotion Battery

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<tr>
<th>Overview of Battery</th>
<th>David Cella, PhD, Paul Pilkonis, PhD and Team Scientists</th>
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<tr>
<td>Psychological Well-Being Measures</td>
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<td>Negative Affect Measures</td>
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<td>Social Relationships Measures</td>
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<td>Stress and Self-Efficacy Measures</td>
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<td>Q and A</td>
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### Sensation and Pain Battery

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<th>Overview of Battery</th>
<th>Sensory Domain Team Leaders</th>
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<tr>
<td>NIH TB Odor Identification</td>
<td>Pam Dalton, PhD</td>
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<td>NIH TB Regional Taste Intensity</td>
<td>Susan Coldwell, PhD</td>
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<td>NIH TB Visual Acuity</td>
<td>Rohit Varma, MD</td>
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<td>NIH TB Dynamic Visual Acuity</td>
<td>Rose Marie Rine, PT, PhD</td>
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<tr>
<td>NIH TB Pain Interference</td>
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<td>NIH TB Pain Intensity</td>
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<td>NIH TB Hearing Threshold</td>
<td>Steven Zecker, PhD</td>
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