

NCANDA: Testing the Boundaries

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Groundbreaking Longitudinal Studies

Are NOT immediately Longitudinal
(A reality not always appreciated)

Critical Early Scientific Objectives

- Establish sufficient descriptors of “meaningful” states
- Establish face/construct validity of the key factors
- Establish “credibility” of the overall framework
- Establish rationale for intended future directions and demonstrate sensitivity to developing innovations

Today's Presentations

- Dr. Colrain: Sleep Patterning
 - Characterizing age, sex and interaction
 - Exploring innovative means of measurement
- Dr. Clark: Executive Function
 - Battery validation
 - Group Differences/Beginnings of the Prediction

Today's Presentations

- Dr. Nooner: Childhood Adversity
 - Focus on NON group
 - Establishing foundation for synergistic effects
- Dr. Müller-Oehring: Neuroimaging Methods
 - Characterizing between group differences in fx networks
 - Demonstrating capacity to use complex multi-site data

Continuing Study Challenges

- Evaluating and Sustaining Study Fidelity
- Identifying and Disentangling Cumulative & Interactive Insult
- Producing quantitative (?) risk thresholds
- Not losing sight of resiliency

Advancing the Scientific Method

- Unique opportunity for “big data” advances
- Enable unparalleled capacity for description & solid explanation
- Regression models will allow careful detail of variability

- Effect Sizes: When is small important and large... well, obvious
- Avoid temptation to “settle” on cataloguing group differences
- Apply full intent of scientific methods with model building, making room for null and contradictory findings

THANKS!

Questions for Panel

Nixon Acknowledgments:

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