NORTHERN ARIZONA UNIVERSITY

ARIZONA DEPARTMENT OF HEALTH SERVICES
ARIZONA BIOMEDICAL RESEARCH COMMISSION

CENTER FOR HEALTH EQUITY RESEARCH

Innovations in Stroke Rehabilitation: Implications for Research

Phoenix Biomedical Campus

B-102 Lecture Hall

Phoenix, AZ, 85004

April 22, 2017

8:00 am- 4:30 pm

AGENDA

8:00-8:30 Registration

8:30-9:30 **Speaker: Dale Corbett, PhD**

Optimizing Stroke Recovery: Insights from Basic Science

Learning Objectives:

1. An understanding of the biological recovery processes contributing to spontaneous and rehabilitation-induced post-stroke recovery.
2. A better appreciation of how the timing and intensity of rehabilitation affect recovery.
3. Some insights into why recovery plateaus after several months and what might be done to prevent this from occurring.

9:30-10:00 Questions and answers

10:00-10:15 Break

10:15-11:15 **Speaker: Lara Boyd, PT, PhD**

Recovery from stroke: Can we predict who will respond?

Learning Objectives:

1. How to identify potential for neuroplastic change after stroke
2. Which interventions prime the brain for learning and facilitate recovery from stroke?
3. How to start to predict who will respond to therapy after stroke and what biomarkers may be used to indicate capacity for motor learning.

11:15-11:45 Questions and answers

11:45- 1:00 Lunch

1:00-2:00 **Laura Murray, PhD, CCC-SLP**

Aphasia Concepts and Management Procedures:

Recent Innovations and Developments

Learning Objectives:

1. Participants will be able to summarize recently developed behavioral and neurophysiological conceptualizations of aphasia.
2. Participants will be able to identify recently developed standardized tests and informal procedures for assessing the linguistic and related concomitant symptoms of adults with aphasia.
3. Participants will be able to describe recently developed direct and indirect therapy procedures for remediating or compensating for the linguistic and related concomitant symptoms of adults with aphasia.

2:00-2:30 Questions and answers

2:30-2:45 Break

2:45-3:45 **Speaker: Timothy Wolf, OTD, PhD, OTR/L, FAOTA**

The Use of Metacognitive Strategy Training with Individuals with Stroke to Improve Performance and Reduce Cognitive Impairment

Learning Objectives:

1. Understand the theory and rationale for use of metacognitive strategy training with individuals with stroke.
2. Identify when metacognitive strategy training is appropriate for use with individuals with stroke.
3. Compare and contrast performance-based and remediation-based methods to reduce cognitive impairment post-stroke.
4. Understand the current evidence related to the use of metacognitive strategy training to improve performance and/or reduce cognitive impairment post-stroke.

3:45-4:15 Questions and answers

4:15-4:30 Wrap up