**ADAPTIVE RESPONSES IN BIOLOGY AND MEDICINE**

**CONFERENCE ANNOUNCEMENT**

April 22 & 23, 2014

University of Massachusetts/Amherst

Subhead. Subhead. Subhead. Subhead.

Low levels/doses of numerous stressors (e.g., exercise, intermittent fasting, hypoxia, heat, cold, radiation, electricity, toxins, chemicals/drugs) are known to stimulate a wide range of adaptive responses that have the potential to profoundly affect the success of medical interventions for a vast spectrum of disorders. Stressors that trigger adaptive responses also offer ways to enhance healthy aging, improve human performance, and prevent damage in tissues exposed afterward to injurious levels of stressors, including severe psychological stress. Leading researchers will present numerous examples of the adaptive response and show how understanding molecular mechanisms(s), optimizing dosimetry and selecting the appropriate stressors will be important in enabling scientific and technological advances that can translate into future benefits for society.

**AREAS OF INTEREST**

Pre- Post-Conditioning

 Alzheimer's Disease/Dementia

 Parkinson's Disease

 Depression and PTSD

 Concussions/Traumatic Brain Injury

 Improving Surgical Outcomes

 Stroke/Cardiovascular Disease

 Diabetes

 Glaucoma

 Stem Cell Transplantation Therapy

Healthy Lifestyles, Aging and Life Extension

 Intermittent Fasting

 Exercise

 Chemical/Nutritional Supplements

 Low Dose Radiation and Longevity

 Adaptive response-based cosmetics

Enhancing Human Performance

 Cognition

 Endurance, Strength and Speed

 Fatigue/Jet Lag: Prolong Onset/Speed Up Recovery

 Wound Healing Acceleration - skin, tendon, muscle, bone, and vascular

CALL FOR ABSTRACTS

Please see www.dose-response.org for abstract submission guidelines. E-mail abstract to: dleonard@schoolph.umass.edu by February 27, 2014.

Enhancing Healthy Living and Performance



For further Information Contact:

Denise Leonard, Conference Coordinator; 413-545-3164; dleonard@schoolph.umass.edu

University of Massachusetts, Amherst, MA

Conference Directors: Edward J. Calabrese, Ph.D. and Paul T. Kostecki, Ph.D.