

CONFERENCE ANNOUNCEMENT

PRECONDITIONING IN BIOLOGY AND MEDICINE

Mechanisms and Translational Research

April 18 & 19, 2017

University of Massachusetts Amherst

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 preconditioning/adaptive responses that may 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
Surgical Stress
Chemo and Radiation 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. Email abstract to: mbglavin@umass.edu by January 31, 2017.

Enhancing Healthy Living and Performance

International Dose-Response Society
www.Dose-Response.org

For further Information Contact:

Mary B. Glavin, Conference Coordinator; 413-545-1239; mbglavin@umass.edu
University of Massachusetts, Amherst, MA
Conference Directors: Edward J. Calabrese, Ph.D. and Paul T. Kosteki, Ph.D.