



Oklahoma Nathan Shock Center on Aging Geroscience Symposium

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The Role of the IGF1/Insulin Signaling Pathway in Aging and Diabetes

KEYNOTE PRESENTER: Nir Barzilai, MD
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Program

Session 1. Insulin/IGF1 Signaling and Contributions to Lifespan Regulation

Arlan Richardson, Ph.D., Director of the Oklahoma Nathan Shock Aging Center, Introduction/Welcome.

Marc Tatar, Ph.D., Professor of Ecology and Evolutionary Biology, Brown University: Mechanisms of aging regulation by insulin/IGF signaling in *Drosophila*.

Andrzej Bartke, Ph.D., Professor of Physiology, Southern Illinois University School of Medicine: Role of insulin sensitivity in aging.

Yousin Suh, Ph.D., Professor Department of Genetics, Einstein College of Medicine: IGF1 receptor signaling in human centenarians.

Session 2. Effects of Insulin and IGF1 on Brain Function

William E. Sonntag, Ph.D., Professor of Geriatric Medicine and Director Reynolds Oklahoma Center on Aging, OUHSC: The effect of reduced IGF1 expression on healthspan and longevity of mice.

William Banks, M.D., Professor of Internal Medicine, University of Washington: Effect of insulin on brain functions.

Session 3. Insulin/IGF1 Resistance and Aging

Jian-xing Ma, M.D./Ph.D., Professor and Chair of Physiology: New insights into the role of insulin signaling in age-related retinal degeneration.

Pinchas Cohen, M.D., Dean Davis School of Gerontology, University of Southern California: Role of mitochondrial-derived peptides in insulin resistance and aging.

Nick Musi, M.D., Professor of Medicine and Director of the Barshop Institute on Longevity and Aging Studies, University of Texas Health Science Center at San Antonio: How aging contributes to insulin resistance and diabetes.

Keynote Speaker:

Nir Barzilai, M.D., Professor of Medicine and Director Institute for Aging Research, Albert Einstein College of Medicine: Paving the road to target aging in humans.