

Body Weight, Adiposity, Energetics, & Longevity

Conference

November 29 - 30, 2007

King & Prince Beach & Golf Resort

**National Institute on
Aging
&
UAB's Clinical
Nutrition
Research Center**

Caloric restriction (CR) retards aging in many species. Obesity increases mortality rate in humans. Yet beyond this superficial commonality, the connections between these two phenomena are incompletely known. So too, the mechanisms behind obesity's deleterious and CR's salubrious effects are minimally known and almost certainly manifold. Access to several emerging resources offers the opportunity to address new questions about the extent to which reduced energy intake, negative energy balance, lower body weight, reduced body fat, reduced body fat in specific depots, the dynamic process of weight or fat loss, or even hunger itself play roles in influencing longevity. This meeting will assemble a diverse, highly interdisciplinary group of investigators to address these issues.



The University of Alabama at Birmingham
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Distinguished Speakers

David B. Allison, Ph.D.
Ted Adams, Ph.D. MPH
R. Michael Anson, Ph.D.
Nir Barzilai, M.D.
Eugenia Calle, Ph.D.
William Donahoo, M.D.
Ramon Durazo-Arvizu, Ph.D.
Luigi Fontana, M.D., Ph.D.
Theodore Garland, Jr., Ph.D.
Barbara C. Hansen, Ph.D.
Tamara Harris, M.D.
Donald Ingram, Ph.D.
JoAnn Manson, M.D., Dr.P.H.
Julie Mattison, Ph.D.
Charles Mobbs, Ph.D.
Tim R. Nagy, Ph.D.
Susan Ozanne, Ph.D.
Eric Ravussin, Ph.D.
Leanne M. Redman, Ph.D.
Blanka Rogina, Ph.D.
George Roth, Ph.D.
June Stevens, Ph.D.
Heidi Tissenbaum, Ph.D.
James Waddell, Ph.D.
Richard Weindruch, Ph.D.
Catherine A. Wolkow, Ph.D.

University of Alabama at Birmingham
University of Utah
Community College of Baltimore County
Albert Einstein College of Medicine
American Cancer Society
Kaiser Permanente
Loyola University
Washington Univ. & Italian Nat'l Institute of Health
University of California
University of South Florida
National Institute on Aging
Pennington Biomedical Research Center
Harvard Medical School
National Institute of Aging
Mount Sinai School of Medicine
University of Alabama at Birmingham
University of Cambridge
Pennington Biomedical Research Center
Pennington Biomedical Research Center
University of Connecticut Health Center
Gerotech
University of North Carolina at Chapel Hill
University of Massachusetts, Worcester
Southern Methodist University
University of Wisconsin at Madison
National Institutes on Aging



David B Allison PhD

Nir Barzilai MD

Donald K Ingram PhD

Susan Ozanne PhD

**Organizing
Committee**

Topics

Obesity & Mortality Rate in Humans: Evaluating the impact of age and ethnicity
Obesity & Mortality Rate in humans: Are the effects changing with calendar time?
Statistical approaches to modeling the latent confounding variables and incorporating information from experimental and clinical domains
Ambient temperature manipulation and in vivo body composition measurements to separate the effects of adiposity and energy intake on longevity.
The role of selective fat depletion in life-prolongation in rodents
Role of body fat in longevity
Hypothalamic mechanisms in caloric restriction and aging
Could hunger be the key hormetic signal?
Beneficial metabolic effects of fasting
Longevity mediated by fasting-induced changes in chromatin composition
Results from early human studies.
Long-term metabolic effects of calorie restriction in humans
Effects of surgically-induced weight loss in humans
Effects of Selective Breeding for High Voluntary Activity Levels in House Mice on Energy Balance and Longevity
Strength, exercise, muscle mass, muscle function, and longevity
The role of rapid catch-up growth or intense positive energy balance in early life
Results from the Wisconsin CR study
Results from the NIA CR study
Results from a primate model of obesity and CR: middle aged weight gain prevention
Caloric Restriction Mimetics: The Newest Anti-aging Strategy



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Registration Form

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To register, please send the following to rsarver@uab.edu

1. completed registration form
2. current curriculum vitae

Attendance is limited. Please apply prior to Fri 9/28/2007. Accepted applicants will be notified by Fri Mon 10/1/2007. Women, members of underrepresented minority groups and individuals with disabilities are strongly encouraged to apply.

Travel scholarships are available with preference given to graduate students & post-docs.

Registration fee (does not include food, travel or lodging):

- \$200 academic, government, and non-profit organizations
- \$850 for-profit organizations

Need more information? Contact Richard Sarver at 205.975.9169 or rsarver@uab.edu.

Name	_____	Degree	_____
Position	_____	Institution	_____
Address	_____		
City State Zip	_____	Country	_____
Phone	_____	Fax	_____
Email	_____	Website	_____

Optional Information

Sex Male Female

Race/Ethnic (All that apply)

<input type="checkbox"/> American Indian or Alaskan Native	<input type="checkbox"/> Asian or Pacific Islander
<input type="checkbox"/> Black/African American	<input type="checkbox"/> White/European
<input type="checkbox"/> Hispanic/Latino	<input type="checkbox"/> Other (please specify)

Want to be considered for a travel scholarship? **Yes** **No**

Conference Website: <http://main.uab.edu/shrp/default.aspx?pid=100248>

We would like to
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for their support:

National Institute
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