

**MONONA TERRACE CONVENTION CENTER  
MADISON, WISCONSIN**

**FRIDAY, JUNE 1, 2001**

- 7:00 AM** Continental Breakfast – P & Q Room
- 8:00 AM** Pre-Conference Symposium- Ballroom C
- 5:00 PM** Registration for meeting of American Aging Association – Counter #4
- 6:00 PM** Welcome Reception and Special Poster Session – Community Terrace  
*Nonhuman Primate Models of Aging and  
Caloric Restriction in Nonhuman Primates*

**SATURDAY, JUNE 2, 2001**

- 7:00 AM** Continental Breakfast – P & Q Meeting Room
- 7:00 AM** Registration for meeting of American Aging Association – Counter #4
- 8:00 AM** AGE MEETING – Lecture Hall  
Mark Lane, President, American Aging Association  
Opening Remarks
- Session 1: Hormone Replacement Therapy in Animal Models**  
Chair: Andrezej Bartke, PhD, Southern Illinois University
- 8:15 AM** Andrezej Bartke, PhD, Southern Illinois University  
# *Endocrine Function in Long Living Mouse Mutants:  
The Other Side of the Coin*
- 8:45 AM** Dirk Vanderschueren, M.D., PhD, Catholic University - Belgium  
# *Androgen Effects on Bone and Body Composition*
- 9:15 AM** Thomas Brown, PhD., Pfizer, Inc.  
# *The Effects of Selective Estrogen Receptor Modulators in Bone*
- 9:45 AM** COFFEE BREAK – P & Q ROOM
- Session 2: Hormone Replacement Therapy and Aging in Humans**  
Chair: S. Mitchell Harman, MD, PhD, Kronos Longevity Research Institute
- 10:05 AM** S. Mitchell Harman, MD, PhD, Kronos Longevity Research Institute  
# *Effects of GH and Sex Steroid Replacement in Healthy Women and  
Men over 65 Years of Age*
- 10:35 AM** Shallendar Bhasin, MD, Charles Drew University

**# Testosterone and Aging-Associated Sarcopenia**

- 11:05 AM** Barbara Sherwin, PhD, McGill University  
**# Estrogen and Cognitive Functioning in Postmenopausal Women: Evidence from Clinical Studies**
- 11:35AM** Roy Smith, PhD, Baylor College of Medicine  
**# Ghrelin and the GHRP Analogues, Pharmacology, Actions, and Promise for Hormone Replacement in the Elderly**
- 12:05 PM** Jan L. Shifren, MD, Harvard Medical School  
**# Pros and Cons of Estrogen / Progestin Replacement in Postmenopausal Women: What the Current Evidence Means**
- 12:35 PM** LUNCH (on your own)
- 2:00 PM** **AFAR Irving Wright Lecture – Lecture Hall**  
John Holloszy, MD, Washington University  
(Title)
- 3:00 PM** COFFEE BREAK- **P& Q ROOM**
- Submitted papers- Mark A. Lane, Ph.D., Chair**
- 3:20 PM** Samuel Gandy, PhD., New York University  
**# Gonadal Hormones Control Brain Levels of Alzheimer's Beta-Amyloid in Animals and Plasma Beta-Amyloid Levels In Humans**
- Kenichi Kitani, MD, PhD., National Institute Longevity Science  
**# A Clinical Applied Dose of (-)Deprenyl Can Increase Antioxidant Enzyme Activities in Brain as Well as Extra-Brain Tissues in Monkeys**
- Kevork Hagopian, University of Wisconsin-Madison  
**Caloric Restriction and its Influence on Glycolysis**
- Raphael de Cabo, PhD., National Institute of Aging  
**# An In Vitro Model of Enhanced Stress Responsiveness by Caloric Restriction: A Novel Method for Evaluation of Possible Mechanisms and Candidate Caloric Restriction Mimetics.**
- Leo S. Luckinbill, PhD., Wayne State University  
**# Selection for Reduced Feeding in Larvae of Drosophila Melanogaster Mimics the Dietary Restriction Effect.**
- Norman S. Wolf, DVM, PhD., University of Washington  
**# Mechanisms of Aging in Lens Cells, Relation to Cataract**
- 5:35 PM** Adjourn

6:00 PM ***The American Aging Association's Annual Board of Directors Dinner Meeting - Wisconsin Room***

***SUNDAY JUNE 3, 2001***

7:00 AM **Continental Breakfast – Community Terrace**

7:00 AM **Registration for meeting of American Aging Association – Counter #4**

**Session 3: Using Gene Targeting and Transgenics to Probe Aging Processes**  
**Chair: James Nelson, PhD, University of Texas Health Sciences Center**

8:00 AM James Nelson, Ph.D., University of Texas Health Science Center  
***# Probing the Role of Glucocorticoids in Aging and Calorie Restriction Using Mice with a Targeted Disruption of the CRH Gene***

8:30 AM Holly Van Remmen, Audie L. Murphy Hospital  
***Knockout and Transgenic Mouse Models to Define the Role of Oxidative Stress In Aging***

9:00 AM Ann McArdle, Ph.D., University of Liverpool  
***# Musculoskeletal Aging in Transgenic Mice Overexpressing hsp70***

9:30 AM Farid F. Chehab, University of California  
***Leptin Sensitivity and Resistance in Young and Older Hyperleptinemic Transgenic Mice.***

10:00 AM **COFFEE BREAK – Community Terrace**

**Session Neural Stem Cells and the Aging Brain**  
**Chair: Mark P. Mattson, Ph.D., National Institute on Aging**

10:30 AM Yi Sun, Ph.D., Harvard University  
***# Molecular Mechanisms Regulating Stem Cell Differentiation***

11:00 AM Gary Van Zant, Ph.D., University of Kentucky  
***# Stem Cell Genetics and Aging***

11:30 AM Gerd Kempermann, M.D., Ph.D. University of Regensburg  
***# Neurogenesis in the Aging Brain***

12:00 PM Mark P. Mattson, Ph.D., National Institute on Aging  
***# Effects of Aging and Calorie Restriction on Neural Stem Cells"***

12:30 PM LUNCH (on your own)

2:00 PM **Annual Hayflick Award Lecture**  
Woodring Erik Wright, MD, PhD  
(title)

**3:00 PM**      **COFFEE BREAK – Community Terrace**

**Session**    **The Role of Exercise in Successful Aging**  
**Chairs:**    **John Holloszy, M. D. Washington University and**  
              **Li Li Ji, Ph.D., University of Wisconsin**

**3:20 PM**      John Holloszy, M.D., Washington University  
              **# *Effect of Exercise on Longevity***

**3:50 PM**      Loretta Di Pietro, Ph.D., Yale University School of Medicine  
              **# *Prevention and Treatment of Type II Diabetes with Exercise***

**4:20 PM**      William Evans, Ph.D., University of Arkansas Medical School  
              **# *Strength Training in the Prevention and Treatment of Frailty in the Elderly***

**4:50 PM**      Li Li Ji, Ph.D., University of Wisconsin  
              **# *Exercise and Oxidative Stress During Aging***

**5:30 - 6:00**    **Business Meeting of the American Aging Association Open to All members – Lecture Hall**

**6:00 - 8:30**    **Submitted Poster Presentation and Cocktail Reception, Competition for Nicolai Prize and Glenn Award - Community Terrace**  
              **See abstracts –**

**MONDAY JUNE 4, 2001**

**7:00 AM**      **Continental Breakfast – outside Lecture Hall**

**7:00 AM**      **Registration for meeting of American Aging Association – Counter #4**

**Session :**    **Caloric Restriction Mimetics**  
              **Chair:**      **George Roth, Ph.D,**

**8:00 AM**      Mark P. Mattson, Ph.D., National Institute on Aging  
              **# *Beneficial Effects of Calorie Restriction Mimetic Dietary Supplements: A Cell Stress-Based Mechanism***

**8:30 AM**      Wenzhen Duan, Ph.D., National Institute on Aging  
              **# *CR and Non-Metabolizable Glucose Analogs Stimulate Growth Factor Production in the Brain***

**9:00 - 9:30**    **George Roth, Ph.D., National Institute on Aging**  
              **# *Caloric Restriction and CR Mimetics: Possible Relevance to Humans***

**9:30 AM**      Richard Weindruch, Ph.D., University of Wisconsin  
              **# *DNA Microarrays as a Screening Tool for CR Mimetic Interventions***

**10:00 AM** COFFEE BREAK – outside Lecture Hall

**Session: Nutritional Interventions in Neurobiological Aging**

**Chairs: Barbara Shukitt-Hale, Ph.D. and James Joseph, Ph.D., USDA at Tufts University**

**10:20 AM** David G. Morgan, Ph.D., University of South Florida  
**# *The Effect of Dietary and Micro and Macronutrients on Amyloid Pathology in a Transgenic Mouse Model of Alzheimer's Disease***

**10:50 AM** Moussa Youdim, Ph.D., National Parkinson's Foundation Centers of Excellence for Neurodegenerative Diseases Research  
**# *Neuroprotective Strategies with Antioxidant Nutrients and Novel Neuroprotective Drugs in Progressive Neurodegenerative Diseases***

**11:20 AM** Remi Quirion, Ph.D., Douglas Hospital Research Center  
**# *Natural Products as Blockers of Amyloid's Toxicity: Relevance to Alzheimer's Disease***

**11:50 AM** Barbara Shukitt-Hale, Ph.D., USDA, HNRC on Aging at Tufts University  
**# *The Antioxidant and Anti-inflammatory Effects of Blueberries on Age-sensitive Tests of Behavior and Brain Function***

**12:20 - 2:00** Annual Award Luncheon – Community Terrace

**2:00 - 3:00** Denham Harman Award Lecture – Community Terrace  
Arlan Richardson, PhD