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: Andrej Bartke, PhD, Southern Illinois University
8:15 AM    Andrej 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 Melanogasgter 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 Regensberg

# 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)
MONDAY JUNE 4, 2001

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