FRIDAY, MAY 30, 2008

7:00 am Registration
Continental Breakfast

8:00 am Pre-conference Welcome and Opening Remarks –
Chair: Steven Kohama, PhD, Oregon National Primate Research Center

8:05 am – 10:05 am SESSION I
OVERVIEW OF AGING NON-HUMAN PRIMATE MODELS

8:05 am James Herndon, PhD, Yerkes National Primate Research Center
COMPARATIVE STUDIES OF AGING IN NON-HUMAN PRIMATES.

8:35 am Todd Preuss, PhD, Yerkes National Primate Research Center
THE UNSCALABLE HOMO SAPIENS.

9:05 am Betsy Ferguson, PhD, Oregon National Primate Research Center
GENETIC RESOURCES FOR THE STUDY OF AGING PRIMATES.

9:35 am Suzette Tardif, PhD, University of Texas Health Science Center San Antonio
WHY DO PRIMATES LIVE SO LONG?

10:05 am - 10:30 am BREAK

10:30 am – 12:30 pm SESSION II
BRAIN ENDOCRINE & REPRODUCTIVE SYSTEMS

10:30 am Martha Neuringer, PhD, Oregon National Primate Research Center
BEHAVIORAL EFFECTS OF HORMONE REPLACEMENT IN RHESUS MONKEYS.

11:00 am Peter R. Rapp, PhD, Mount Sinai School of Medicine
NEUROCOGNITIVE AGING: MONKEY TALES.
11:30 am  John H. Morrison, PhD, Mount Sinai School of Medicine  NEURAL SUBSTRATES OF HORMONE TREATMENT.

12:00 pm  Steven Kohama, PhD, Oregon National Primate Research Center  REPRODUCTIVE AGING AND HORMONE EFFECTS IN THE BRAIN.

12:30 pm – 1:30 pm LUNCH BREAK (on your own)

1:30 pm – 3:30 pm SESSION III  BRAIN AND COGNITIVE BEHAVIOR

Friday, May 30, 2008 continued

1:30 pm  Mark Moss, PhD, Boston University  AGE-RELATED IMPAIRMENTS IN MEMORY AND EXECUTIVE FUNCTION IN THE RHESUS MONKEY.

2:00 pm  Brian Ramos, PhD, Yale University School of Medicine  DISINHIBITION OF cAMP-HCN SIGNALING IN THE AGING PREFRONTAL CORTEX.

2:30 pm  Douglas Rosene, PhD, Boston University  NEUROBIOLOGICAL SUBSTRATES OF AGE-RELATED COGNITIVE IMPAIRMENT.

3:00 pm  Carol Barnes, PhD, University of Arizona  ENSEMBLE RECORDINGS AND MRI ANALYSES IN BEHAVIORALLY CHARACTERIZED YOUNG AND OLD RHESUS MACAQUES

3:30 pm – 4:00 pm Break

4:00 pm – 6:00 pm  SESSION IV  BRAIN & MOTOR / SLEEP / CIRCADIAN RHYTHMS / FUTURE DIRECTIONS

4:00 pm  Don Marshall Gash, PhD, University of Kentucky College of Medicine  AGE ASSOCIATED CHANGES IN RHESUS CNS MITOCHONDRIAL RESPIRATION, GENE EXPRESSION AND MOTOR FUNCTIONS.

4:30 pm  Irina Zhdanova, MD, PhD, Boston University School of Medicine
CIRCADIAN AGING, SLEEP AND HYPOTHALAMUS IN RHESES MONEKYS.

5:00 pm
Henryk Urbanski, PhD, Oregon National Primate Research Center

NEUROENDOCRINE RHYTHMS IN THE AGED RHESES MACAQUE.

5:30 pm
Paula Bickford, PhD, University of South Florida

FUTURE DIRECTIONS – INTERVENTIONS FROM RODENTS TO PRIMATES.

6:00 pm
Pre-conference adjourns

6:30 pm – 8:00 pm
AGE Conference Registration

6:30 pm – 8:00 pm
AGE WELCOME RECEPTION

Saturday, May 31, 2008

THE ROLE OF GENES, ENVIRONMENT AND CHANCE IN DETERMINING AGING

Chair: Thomas Johnson, PhD,
University of Colorado Boulder

7:00 am
AGE Conference Registration
Continental Breakfast

8:00 am
AGE Conference Sessions Begin:
Dedication to Seymour Benzer

8:00 am – 8:10 am Welcome and Opening Remarks
Thomas Johnson, PhD, President, American Aging Association

8:10 am – 9:50 am
PLENARY SESSION I:
Sponsored by The Ellison Medical Foundation and “Mechanisms of Ageing and Development”

8:10 am  James Vaupel, PhD, Max Planck Institute for Demographic Research
          DEMOGRAPHIC CONSEQUENCES OF THE AGING-REVOLUTION.

8:50 am  Discussion

9:00 am  Mario Fraga, PhD, National Cancer Center, Madrid, Spain
          EPREGNETICS OF HUMAN AGING.

9:40 am  Discussion

9:50 am — 10:20 am BREAK

10:20 am – 12:00 pm Session I and II are Dual Sessions

SESSION I: NEUROGENESIS IN AGING
Chair: Paula Bickford, PhD, University of Florida

10:20 am  1. Ashok Shetty, PhD, Duke University Medical Center
          CHANGES IN HIPPOCAMPAL STEM CELL BEHAVIOR WITH AGE.

10:40 am  Discussion

10:45 am  2. Nora Abrous, PhD, INSERM, France
          ADULT HIPPOCAMPAL NEUROGENESIS AND SPATIAL MEMORY DURING AGING.

11:05 am  Discussion

11:10 am  3. Douglas Rosene, PhD, Boston University
          NEUROGENESIS IN THE AGING NON-HUMAN PRIMATE: WHAT HAPPENS TO ALL THESE NEW CELLS?

11:30 am  Discussion

11:35 am  4. Carmelina Gemma, PhD, University of South Florida
          MODULATING AGE-RELATED DECLINES IN NEUROGENESIS WITH ANTI-INFLAMMATORY TREATMENTS.

11:55 am  Discussion

Saturday, May 31, 2008 continued

10:20 am – 12:00 pm Session I and II are Dual Sessions
Sponsored by The Methuselah Foundation
SESSION II: AGING AND TURNOVER OF EXTRACELLULAR MATRIX (ECM)
Chair: John D. Furber, Legendary Pharmaceuticals

10:20 am  5. John D. Furber, Legendary Pharmaceuticals
OVERVIEW OF AGING AND TURNOVER OF THE ECM.
10:40 am  Discussion

10:45 am  6. Vincent M. Monnier, MD, Case Western Reserve University
CHEMICAL AGING OF THE ECM BY CARBONYL AND OXIDANT STRESS: PROSPECTS FOR INTERVENTION.
11:05 am  Discussion

11:10 am  7. Alexandra Stolzing, PhD, Fraunhofer Institute for Cell Therapy & Immunology, Leipzig, Germany
GLYCATED ECM HARMs MESENCHYMAL STEM CELLS IN OLD AGE:
SIGNALING AND STRUCTURAL MECHANISMS.
11:30 am  Discussion

11:35 am  8. David M. Gardiner, PhD, University of California, Irvine
REMODELING OF ECM IN AMPHIBIAN REGENERATION.
11:55 am  Discussion

12:00 pm – 1:30 pm  Special Luncheon

VINCENT CRISTOFALO RISING STAR MEMORIAL AWARD AND LECTURE:
Ana Maria Cuervo, M.D., Ph.D.
“AUTOPHAGY AND AGING: NEW FUNCTIONS FOR AN OLD GARBAGE CONTAINER”
SPONSORED BY
THE AMERICAN FEDERATION FOR AGING RESEARCH (AFAR)
in collaboration with
Margaret F. Cristofalo
The Ellison Medical Foundation
Glenn Foundation for Medical Research
The Gerontological Society of America
Kronos Longevity Research Institute
George C. Prendergast, Ph.D.

1:30 pm – 3:10 pm  Sessions III and IV are Dual Sessions
SESSION III: TRANS-ATLANTIC AWARENESS AND COLLABORATION SYMPOSIUM
ON AGING RESEARCH
Co-Chairs: Richard Faragher, PhD, Brighton University, UK, Holly Van Remmen, PhD, University of Texas Health Science Center San Antonio

1:30 pm  9. Dianne Ford, PhD, Newcastle University
ROLE OF SIRT1 IN RESTRICTED ENERGY INTAKE.
1:45 pm  Discussion
Saturday, May 31, 2008 continued

2:10 pm  
II. Gladys Onambélé-Pearson, PhD, Manchester Metropolitan University  
EXERCISE HARD OR EXERCISE GENTLY? THE CASE OF OLDER PERSONS’ PHYSIOLOGIC & ENDOCRINOLOGIC RESPONSES.
2:25 pm  
Discussion

2:30 pm  
12. Ilaria Bellantuono, PhD, Sheffield University  
AGEING?
2:45 pm  
Discussion

2:50 pm  
13. Richard Hartley, PhD,  
SMALL MOLECULES TO UNDERSTAND AND AMELIORATE THE OXIDATIVE PROCESSES OF AGEING.
3:05 pm  
Discussion

1:30 pm – 3:10 pm Sessions III and IV are Dual Sessions
SESSION IV: NUTRITION AND THE “LONGEVITY DIVIDEND”  
Sponsored in part by the Wild Blueberry Association of North American  
Chair: James Joseph, PhD, FAAAA, USDA, Jean Mayer Human Nutrition Research Center on Aging at Tufts University

1:30 pm  
14. Gregory M. Cole, PhD, VA Medical Center and University of California, Los Angeles  
PREVENTION OF ALZHEIMER DISEASE: OMEGA 3 FATTY ACIDS AND CURCUMIN.
1:50 pm  
Discussion

1:55 pm  
15. Elizabeth Head PhD, University of California Irvine  
THE ROLE OF ANTIOXIDANT DIETS IN COGNITION IN THE AGED BEAGLE.
2:15 pm  
Discussion

2:20 pm  
16. Debbie Clegg, PhD, University of Texas, Southwestern Medical Center  
NUTRIENTS, OBESITY, AND THE BRAIN.
2:40 pm  
Discussion

2:45 pm  
17. James Joseph, PhD, USDA, Jean Mayer Human Nutrition Research Center on Aging at Tufts University  
SIGNALING MECHANISMS INVOLVED IN THE BENEFICIAL EFFECTS OF POLYPHENOLS.
3:05 pm Discussion

**8:10 pm – 8:45 pm**  B R E A K

3:45 pm – 5:00 pm  *Sessions V and VI are Dual Sessions*

**SESSION V: SUBMITTED PAPER SESSION and Poster Presentation I**

3:45 pm  
18. Arie Budovsky, Ben-Gurion University of the Negev
(N) COMPREHENSIVE ANALYSIS OF EVOLUTIONARY CONSERVATION OF GENES ASSOCIATED WITH LONGEVITY AND HUMAN AGE-RELATED DISEASES.

3:55 pm  Discussion

4:00 pm  
19. Josh Mitteldorf, PhD, University of Arizona
ADAPTING EVOLUTIONARY THEORY TO ACCOMMODATE AGING.

4:10 pm  Discussion

Saturday, May 31, 2008 continued

4:15 pm  
20. Rose Reynolds, PhD, University of Oregon
(G) DEMOGRAPHIC AND PHYSIOLOGICAL CONTRIBUTORS TO LATE LIFE MORTALITY PLATEAUS IN *DROSOPHILA MELANOGASTER*.

4:25 pm  Discussion

4:30 pm  
21. Frank Rosenzweig, PhD, University of Montana
CHRONOLOGICAL LONGEVITY IN THE ABSENCE OF CALORIC RESTRICTION: HOW YEAST AGE IN IMMOBILIZED CELL REACTORS.

4:40 pm  Discussion

4:45 pm  
22. Deqing Wu, PhD, University of Colorado at Boulder
MORTALITY IN *CAENORHABDITIS ELEGANS*: REMEMBRANCE OF CONDITIONS PAST.

4:55 pm  Discussion

5:00 pm  
23. Anatoliy Yashin, PhD, Duke University
AGE TRAJECTORIES OF PHYSIOLOGICAL STATE AND FACTORS AFFECTING THEM: WHAT DO THEY TELL US ABOUT AGING AND LONGEVITY?

5:10 pm  Discussion

5:15 pm  
24. Usman Zulfiqar, PhD, University of Illinois at Chicago
(N) WHY FEMALES OUTLIVE MALES: AUTONOMIC CONSIDERATIONS.
5:25 pm Discussion

3:45 pm – 5:00 pm **Sessions V and VI are Dual Sessions**

SESSION VI: SUBMITTED PAPER SESSION and Poster Presentation I

3:45 pm  25. Vishwa Dixit, PhD, Pennington Biomedical Research Center

3:55 pm Discussion

4:00 pm 26. Linda Enns, PhD, University of Washington
(G) DISRUPTION OF THE RII\(\beta\) SUBUNIT OF PKA INCREASES LIFESPAN IN MICE AND PROTECTS AGAINST CARDIAC STRESS.

4:10 pm Discussion

4:15 pm 27. Christopher Ford, University of Manchester
(N) LIVER X RECEPTOR \(\beta\) IS EXPRESSED IN HUMAN EPIDERMIS, BUT IS NOT ALTERED BY PHOTOAGING.

4:25 pm Discussion

4:30 pm 28. So-young Jang, University of Seoul
NICOTINAMIDE ACTIVATES MITOPHAGY.

4:40 pm Discussion

4:45 pm 29. Christophe Lo Bianco, PhD, Lund University
(G) UNDERSTANDING THE ROLE OF AGING AND MITOCHONDRIAL DNA MUTATIONS IN PARKINSON’S DISEASE.

4:55 pm Discussion

5:00 pm 30. LaDora Thompson, PhD, University of Minnesota
OXIDATIVE STRESS AND MUSCLE DYSFUNCTION WITH AGING.

5:10 pm Discussion

**Saturday, May 31, 2008 continued**

5:15 pm 31. Jonathan Wanagat, MD, PhD, University of Washington
ALTERATION OF MITOCHONDRIAL DNA MUTATION RATES IMPACTS SARCOPENIA.

5:25 pm Discussion

**3:45 pm – 7:00 pm**

COCKTAIL RECEPTION AND POSTER PRESENTATION I

Competition for Glenn Award and Nicolai Prize

7:00 pm – 10:00 pm AGE Board of Directors Dinner Meeting
### Sunday, June 1, 2008

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<tr>
<th>Time</th>
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<td>7:00 am</td>
<td>AGE Conference Registration</td>
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<td>Continental Breakfast</td>
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<td>8:00 am – 10:30 am</td>
<td><strong>PLENARY SESSION 2</strong></td>
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<td>Sponsored by The Ellison Medical Foundation and “Experimental Gerontology”</td>
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<td>8:00 am</td>
<td>Eline Slagboom, PhD, Leiden University Medical Center</td>
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<td>IDENTIFICATION OF LONGEVITY GENES IN HUMANS.</td>
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<td>8:40 am</td>
<td>Discussion</td>
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<td>8:50 am</td>
<td>Kaare Christensen, MD, PhD, University Southern Denmark</td>
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<td>AGING TWINS – WHAT THEY TELL US.</td>
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<td>9:30 am</td>
<td>Discussion</td>
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<td>9:40 am</td>
<td>Heidi Tissenbaum, PhD, University of Massachusetts Medical School</td>
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<td>THE NEMATODE <em>C. ELEGANS</em> AND IT’S CONTRIBUTIONS TO AGING RESEARCH.</td>
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<td>10:20 am</td>
<td>Discussion</td>
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<td>10:30 am – 11:00 am</td>
<td>Break</td>
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<td>11:00 am – 12:40 pm</td>
<td><strong>Sessions VII and VIII are Dual Sessions</strong></td>
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<td><strong>SESSION VII: AGING IS GOING TO THE DOGS (Part 1)</strong></td>
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<td><em>Co-Chairs: Donald K. Ingram, PhD, Pennington Biomedical Research Center and Norman Wolf, DVM, PhD, University of Washington</em></td>
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<td>11:00 am</td>
<td>32. Gordon Lark, PhD, University of Utah</td>
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<td>WHAT THE DOG GENOME IS TELLING US ABOUT &quot;MAKING OLD BONES.&quot;</td>
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<td>11:20 am</td>
<td>Discussion</td>
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<td>11:25 am</td>
<td>33. Kimberly Greer, PhD, Texas A &amp; M University</td>
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<td>RELATIONSHIP OF METABOLIC RATE, SIZE, AND LONGEVITY.</td>
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<td>11:45 am</td>
<td>Discussion</td>
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<td>11:50 am</td>
<td>34. Elizabeth Head PhD, University of California Irvine</td>
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<td>BRAIN AGING IN DOGS.</td>
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<td>12:10 pm</td>
<td>Discussion</td>
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12:15 am  
35. N. W. Milgram, PhD, CanCog Technologies, Inc.  
BEHAVIORAL ANALYSIS OF COGNITIVE AGING IN DOGS.  
12:35 pm  
Discussion  

11:00 am – 12:40 pm  
Sessions VII and VIII are Dual Sessions  
SESSION VIII: AGING AND THE IMMUNE SYSTEM  
Chair: Rita B. Effros, PhD, University of California Los Angeles  

11.00 am  
36. Kenneth Dorshkind, PhD, University of California, Los Angeles  
EFFECTS OF AGING ON HEMATOPOIESIS AND PATTERNS OF LEUKEMOGENESIS.  
11:20 am  
Discussion  
11:25 am  
37. Arne Akbar, PhD, University College, London  
THE CONTROL OF FUNCTIONAL T LYMPHOCYTE LONGEVITY DURING AGING.  
11:45 am  
Discussion  
11:50 am  
38. Rita B. Effros, PhD, University of California, Los Angeles  
TELOMERASE-BASED APPROACHES TO IMPROVING IMMUNE FUNCTION DURING AGING.  
12:10 pm  
Discussion  
12:15 pm  
39. Janet McElhaney, MD, University of Connecticut Health Center  
THE UNMET NEED: TRANSLATING BASIC SCIENCE TO IMPROVE OUTCOMES OF INFLUENZA VACCINATION IN OLDER ADULTS.  
12:35 pm  
Discussion  

12:40 PM – 1:40 PM  
LUNCH BREAK (on your own)  

1:40 pm – 3:20 pm  
Sessions IX and X are Dual Sessions  
SESSION IX: AGING IS GOING TO THE DOGS (Part 2)  
Sponsored in part by the Iams Company  
Co-Chairs: Donald K. Ingram, PhD, Pennington Biomedical Research Center and  
Norman Wolf, DVM, PhD, University of Washington  

1:40 pm  
40. Norman Wolf, DVM, PhD, University of Washington  
AGING OF THE EYE IN DOGS.  
2:00 pm  
Discussion  
2:05 pm  
41. Stefan Massimino, PhD, Iams Company  
AGE-RELATED CHANGES IN IMMUNE FUNCTION IN DOGS.  
2:25 pm  
Discussion  
2:30 pm  
42. David J. Waters, DVM, PhD, Purdue University  

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2:50 pm Discussion

Sunday, June 1, 2008 continued

2:55 pm 43. Dennis Lawler, DVM, The Nestlé Research Center, St. Louis
DIET RESTRICTION AND AGING IN DOGS.
3:15 pm Discussion

1:40 pm – 3:20 pm Sessions IX and X are Dual Sessions
SESSION IX: HABITUAL EXERCISE AND ARTERIAL AGING
Co-Chairs: Douglas Seals, PhD, University of Colorado Boulder, and Hirofumi Tanaka, PhD, University of Texas at Austin

1:40 pm 44. Douglas Seals, PhD, University of Colorado
AGING, HABITUAL EXERCISE AND ENDOTHELIUM DEPENDENT DILATION IN HUMANS.
2:00 pm Discussion

2:05 pm 45. Judy Muller-Delp, PhD, West Virginia University
MECHANISMS OF AGE AND HABITUAL EXERCISE ON VASOMOTOR FUNCTION IN RODENTS.
2:25 pm Discussion

2:30 pm 46. Brian Stauffer, MD, FACC, University of Colorado Health Sciences Center
AGING, EXERCISE AND ENDOTHELIAL FIBRINOLYTIC FUNCTION.
2:50 pm Discussion

2:55 pm 47. Hirofumi Tanaka, PhD, University of Texas at Austin
AGING, HABITUAL EXERCISE AND LARGE ELASTIC ARTERY STIFFNESS.
3:15 pm Discussion

3:20 pm – 3:50 pm Break

3:50 pm – 5:20 pm Sessions XI and XII are Dual Sessions
SESSION: XI SUBMITTED PAPERS and Poster Presentation II

3:50 pm 48. Guy Adami, PhD, University of Illinois at Chicago
MODIFICATION OF THE ATM/ATR DIRECTED DNA DAMAGE RESPONSE STATE WITH AGING AND LONG AFTER SENESCENCE INDUCTION IN VIVO.
4:00 pm Discussion
4:05 pm  49.  Vera Lucia Bonilha, PhD, The Cleveland Clinic Foundation
AGE-RELATED REDUCTION IN RETINAL DEAMINATION LEVELS IN THE F344BN RAT.
4:15 pm  Discussion

4:20 pm  50.  Adam Salmon, PhD, University of Texas Health Science Center at San Antonio
(N) CELLS FROM NAked MOLE-RATS ARE RESISTANT TO MULTIPLE CELL STRESSORS.
4:30 pm  Discussion

4:35 pm  51.  Valerie Vanhooren, University of Ghent
(N) OVER-EXPRESSION OF HEAT SHOCK PROTEIN 70 IN MICE CAUSES GROWTH RETARDATION AND EARLY DEATH.
4:45 pm  Discussion

Sunday, June 1, 2008 continued

4:50 pm  52.  Hae Young Chung, PhD, Pusan National University
MOLECULAR INFLAMMATION AS THE UNDERLYING MECHANISM FOR THE AGING PROCESS: ANTI-AGING ACTION OF CALORIE RESTRICTION.
5:00 pm  Discussion

5:05 pm  53.  Rolf Martin, PhD, Burke-Cornell Medical Research Institute
BLUEBERRY STUDY MEMORY SCORE IMPROVEMENTS REACH 95% CONFIDENCE; SPECIAL PROJECT REPORTS.
5:15 pm  Discussion

3:50 pm – 5:35 pm  Sessions XI and XII are Dual Sessions
SESSION: XII SUBMITTED PAPERS and Poster Presentation II

3:50 pm  54.  Barbara Shukitt-Hale, PhD, USDA, USDA, Jean Mayer Human Nutrition Research Center on Aging at Tufts University
IS RESVERATROL THE MOST EFFECTIVE STILBENE TO MITIGATE AGING: IS IT WORTH “WINING” ABOUT?
4:00 pm  Discussion

4:05 pm  55.  Bryant Villeponteau, PhD, Sierra Sciences
INDUCTION OF HUMAN TELOMERASE BY A SMALL MOLECULE DRUG.
4:15 pm  Discussion

4:20 pm  56.  Mariana Pehar, PhD, University of Wisconsin-Madison

HYPERACTIVATION OF THE AGING PROGRAM CAUSES A SELECTIVE DEGENERATION OF MEMORY FORMING AND RETRIEVING AREAS OF THE MOUSE BRAIN.

4:30 pm Discussion

4:35 pm 57. Shinichi Someya, PhD, University of Wisconsin - Madison (G) AGE-RELATED HEARING LOSS REQUIRES THE MITOCHONDRIAL APOPTOSIS ACTIVATOR BAK.

4:45 pm Discussion

4:50 pm 58. David Melzer, PhD, University of Exeter GENOME WIDE ASSOCIATION STUDIES AND HEALTHY AGING.

5:00 pm Discussion

5:05 pm 59. Gregory Tranah, PhD, California Pacific Medical Center ASSOCIATION BETWEEN REST/ACTIVITY RHYTHMS AND MORTALITY IN COMMUNITY-DWELLING OLDER WOMEN.

5:15 pm Discussion

5:20 pm 60. Jennifer Webster, Translational Genomics Research Institute GENOME WIDE ASSOCIATION STUDY REVEALS SNP ASSOCIATED WITH LONGEVITY.

5:30 pm Discussion

5:35 PM - 6:00 PM
AGE Business Meeting – Open to all Members

Sunday, June 1, 2008 continued

3:50 PM – 7:30 PM
COCKTAIL RECEPTION AND POSTER PRESENTATION II

Competition for Glenn Award and Nicolai Prize

7:30 PM - Student Sessions and Data Blitz
Student Social

Monday, June 2, 2008
7:00 Continental Breakfast

8:00 am – 9:15 am
SESSION XIII: PROTEIN AGGREGATION IN DISEASES OF AGING
Chair: Chris Link, Ph.D., University of Colorado, Boulder
8:00 am 61. Andrew Dillin, Ph.D., Salk Institute
A TRANS-ACTIVATOR ELEVATES PROTEASOME ACTIVITY IN AN AGING DEPENDENT MANNER
8:20 am Discussion

8:25 am 62. Allan Taylor, Ph.D., Jean Mayer Human Nutrition Research Center on Aging at Tufts University
PROTEIN QUALITY CONTROL, CATARACT AND AMD AS AMYLOID.
8:45 am Discussion

8:50 am 63. Chris Link, Ph.D., University of Colorado Boulder
PROTEIN AGGREGATION IN AN ALZHEIMERS DISEASE MODEL IN THE WORM.
9:10 am Discussion

9:15 am – 9:45 am BREAK 9:45 am –11:25am Session XIV and XV are Dual Sessions
SESSION XIV: NATHAN SHOCK SYMPOSIUM
Chair: Felipe Sierra, PhD, National Institute on Aging, NIH

9:45 am 64. Matt Kaeberlein, Ph.D., University of Washington
UNDERSTANDING AGING THROUGH CONSERVED LONGEVITY PATHWAYS.
10:00 am Discussion

10:05 am 65. Geoffrey Murphy, PhD University of Michigan
NEURONAL CALCIUM DYSREGULATION AND AGE-RELATED COGNITIVE DECLINE.
10:20 am Discussion

10:25 am 66. Yuji Ikeno, MD, PhD, University of Texas Health Science Center at San Antonio
IS THE LIFE-EXTENDING ACTION OF Cu/ZnSOD OVEREXPRESSION IN MAMMALS OBESITY DEPENDENT?
10:40 am Discussion

10:45 am 67. Simon Melov, PhD, Buck Institute
ENDURANCE EXERCISE, IMMOBILIZATION, AND GENE EXPRESSION IN WORMS, MICE AND HUMANS.
11:00 am Discussion

Monday, June 2, 2008 continued

11:05 am 68. Rong Yuan, MD, Jackson Laboratories
GENETIC REGULATION OF IGF-1 AND LIFESPAN IN MOUSE MODELS.
11:20 am Discussion

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9:45 am –11:25 am  Session XIV and XV are Dual Sessions

SESSION XV: PHYSIOLOGICAL HORMESIS AND LIFE EXTENSION

Chair: Gordon Lithgow, PhD, Buck Institute for Age Research

9:45 am
69. Edward Masoro, PhD, University of Texas Health Science Center San Antonio
HORMESIS, CALORIE RESTRICTION AND LIFE EXTENSION.

10:05 am
Discussion

10:10 am
70. Holly Brown-Borg, PhD, University of North Dakota
GROWTH HORMONE, HORMESIS AND LONGEVITY IN MICE.

10:30 am
Discussion

10:35 am
71. James R. Cypser, PhD, University of Colorado, Boulder
SECONDARY PHENOTYPES ASSOCIATED WITH A GFP REPORTER THAT PREDICTS INCREASED SURVIVAL IN C. ELEGANS.

10:55 am
Discussion

11:00 am
72. Gordon Lithgow, PhD, Buck Institute for Age Research
HORMESIS AND AGING IN C. ELEGAN.

11:20 am
Discussion

II:45 AM – 2:00 PM

American Aging Association Awards Luncheon.
All meeting registrants invited.

Awards Presentation:
Distinguished Achievement Award
Arthur Everitt, PhD

Denham Harman Research Award
Mark A. Smith, PhD

Poster Awards
Paul E. Glenn Award
Walter R. Nicolai Award

2:00 PM

Denham Harman Award Lecture for 2008:

“Molecular Pathogenesis of Alzheimer Disease: Facts and Fictions”
Mark A. Smith, PhD
Case Western Reserve University
3:00 pm  CONFERENCE ADJOURNS