

“Idiopathic Fatigue of Aging”
5th Annual AGS/NIA/Hartford Bedside-to-Bench Conference
September 3-5, 2008

CONFERENCE PROGRAM

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CONFERENCE AGENDA

Bedside-to-Bench Conference				
September 3-5, 2008				
"IDIOPATHIC FATIGUE & AGING"				
SEPTEMBER 3, 2008 - EVENING SESSION				
TIME	SPEAKER	TOPIC/AGENDA ITEM	SPEAKER INFO TAB PAGE #	KEY SLIDES TAB PG #
6:00PM		<i>Buffet Dinner will be served.</i>		
Introduction & Overview				
6:00-6:15PM	Taffet & Alexander	Orientation, "Fatiguability"	1	N/A
6:15-6:35PM	Nayfield & Eldadah	Highlights of previous exploratory conf, challenges of research in the field, domains of study, why focus on energy balance	2	24
6:35-6:55PM	Ferrucci	Dynamics of energy balance and use and relation to fatigue	3	N/A
6:55-7:30PM		<i>Discussion</i>		
SEPTEMBER 4, 2008 - DAY 1				
TIME	SPEAKER	TOPIC/AGENDA ITEM	SPEAKER INFO TAB PAGE #	KEY SLIDES TAB PG #
8:15AM		<i>Continental Breakfast will be served.</i>		
Energy utilization and its relationship to fatigue				
9:00-9:30AM	Ferrucci	Gender, body comp, diet, PA and energy balance	3	N/A
9:30-10:00AM	Celi	Thyroid and energy expenditure	4	30
10:00AM-10:30AM	Alexander	Relationship between maximal and submaximal oxygen use and self-reported fatigue. Comment about "-ability" vs usual performance "fatiguability"	6	34
10:30AM-11:30AM	Taffet & Hadley	What does evidence about energy consumption and mitochondrial function with exercise have to do with fatigue of aging	7	40
11:30AM-12:10PM		<i>Discussion</i>		
12:10PM-1:00PM		<i>LUNCH</i>		
Mitochondrial and muscle contributions to energy balance and fatigue				
1:00PM-1:30PM	Wallace	Mitochondrial function and energy balance	9	N/A
1:30PM-2:00PM	Goodpaster	Mitochondrial dysfunction and muscle	10	49
2:00PM-2:30PM	Kent-Braun	Neural and Muscular Factors in Muscle Fatigue of Older Adults	12	56
2:30PM-3:10PM		<i>Discussion</i>		
3:10PM-3:30PM		<i>Break</i>		
Central processes including inflammation and oxidative stress				
3:30PM-4:00PM	Meeusen	Central Fatigue – the Serotonin Hypothesis and Beyond	13	57
4:00PM-4:30PM	Dantzer	From Inflammation to Sickness, Depression and Fatigue	16	58
4:30PM-5:00PM	Andrade	Oxidative stress and muscle fatigue	17	60
5:00PM-5:40PM		<i>Discussion</i>		
5:40PM-6:40PM		<i>Working dinner in small groups. See Discussion Topics On Next Page.</i>		
6:40PM-7:40PM		<i>Group Reports, Feedback, & Discussion</i>		
SEPTEMBER 5, 2008 - DAY 2				
TIME	SPEAKER	TOPIC/AGENDA ITEM	SPEAKER INFO TAB PAGE #	KEY SLIDES TAB PG #
7:30AM		<i>Continental Breakfast will be served</i>		
Disease-based models of fatigue mechanism and relation to aging and energy balance				
8:00AM-8:30 AM	Mancini	Congestive heart failure, oxygen utilization, and muscle NMR	18	N/A
8:30AM-9:00AM	Gerschenson	HIV	18	N/A
9:00AM-9:30AM	Cleeland	Fatigue and Cancer Treatment: A Model for Studying Fatigue	19	61
9:30AM-10:00AM	Zee	Sleep and Energy Balance	20	67
10:30AM-11:10AM		<i>Discussion</i>		
11:10AM-11:30AM		<i>Break</i>		
Methodological Issues				
11:30AM-12:00PM	Butt	Fatigue measurement approaches, NIH PROMIS initiative	21	69
12:00PM-12:30PM	Chen	Performance measures related to energy expenditure and physical activity (including doubly labeled water, actigraphy)	23	74
12:30PM-1:30PM		<i>Lunch and small group sessions. See Discussion Topics On Next Page.</i>		
1:30-2:30PM		<i>Group Reports, Feedback, & Discussion. Summary discussion of priorities.</i>		
2:30PM		OPEN SESSION ENDS		

SMALL GROUP SESSION ASSIGNMENT

All Small Group Sessions will be asked to identify and report back on:

1. Key Gaps
2. Barriers & Opportunities
3. Methodological Work
4. Research Priorities

SMALL GROUP SESSION INFORMATION

Please sign up for your preferred small group sessions at the registration table.
Small Group Sessions are as follows:

SEPTEMBER 4, 2008 (WORKING DINNER)

QUESTION #1 (For groups 1A & 1B): **What are the key mechanisms underlying fatigue with aging?**

GROUP #1A – Will focus on this question from a clinical (human) research perspective

Moderator: Ferrucci
Recorder: Studenski
Room: *Glen Echo*

GROUP #1B – Will focus on animal or basic-bench research foci.

Moderator: Taffet
Recorder: Kent-Braun
Room: *Great Falls*

QUESTION #2 (For groups 2A & 2B): **What are appropriate measures of fatigue?**

GROUP #2A – Will focus on this question from a clinical (human) research perspective

Moderator: Alexander
Recorder: Nayfield
Room: *Glen Echo*

GROUP #2B - Will focus on animal or basic-bench research foci.

Moderator: Eldadah
Recorder: Goodpaster
Room: *Timberlawn*

SEPTEMBER 5, 2008 (WORKING LUNCH)

QUESTION #1 (For groups 1A & 1B): **How do we include fatigue measures in human observational and clinical trial studies?**

GROUP #1A – Will focus on this question from a clinical (human) research perspective

Moderator: Studenski
Recorder: Butt
Room: *Glen Echo*

GROUP #1B – Will also focus on this question from a clinical (human) research perspective

Moderator: Ferrucci
Recorder: Alexander
Room: *Great Falls*

QUESTION #2 (For groups 2A & 2B): **How do we account for diseases and comorbidities that impact on fatigue?**

GROUP #2A – Will focus on this question from a clinical (human) research perspective

Moderator: Nayfield

Recorder: Eldadah

Room: *Glen Echo*

GROUP #2B - Will focus on animal or basic-bench research foci.

Moderator: Goodpaster

Recorder: Taffett

Room: *Timberlawn*

CONFERENCE GRANT OVERVIEW

In 2003, the AGS was awarded NIA support for a three-year conference series "Bedside to Bench". The goal of this conference series is to heighten research attention on clinical geriatric issues that are of pressing concern clinically, or have the potential to greatly improve clinical care or prevention for older adults if scientific knowledge is advanced. The short-term outcome of each of the proposed conferences is to identify the recommended research agenda for pressing clinical geriatrics issues. The ultimate outcome of the recommended research will be to obtain research results that can be translated into improved clinical care and health outcomes of older adults.

In 2006, the NIA renewed the grant for an additional three years. "Idiopathic Fatigue & Aging" is the fifth Bedside-to-Bench research conference, sponsored by the American Geriatrics Society, the National Institute on Aging (NIH), and the John A Hartford foundation. "Idiopathic Fatigue & Aging," provides opportunities to learn about cutting edge research developments; participate in drafting recommendations for future research; and network with colleagues and leaders in the field. Four earlier Bedside-To-Bench conferences were held in 2004, 2005, 2006, and 2007. Future conferences include a 2009 conference concerning inflammation and nutrient metabolism.

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QUESTIONS AND COMMENTS

Please feel free to email Anne Marie Evriviades at aevriviades@americangeriatrics.org with any questions or comments you may have about this conference. Your feedback is highly appreciated!

FUNDING ORGANIZATIONS

The 5th Annual Bedside to Bench Conference, *Idiopathic Fatigue of Aging*, is sponsored by grants from The National Institute on Aging, the American Geriatrics Society, and the John A. Hartford Foundation.

AMERICAN GERIATRICS SOCIETY

Founded in 1942, the American Geriatrics Society (www.americangeriatrics.org) is a nationwide, not-for-profit association of geriatrics health care professionals dedicated to improving the health, independence, and quality of life of all older people. The Society supports this mission through activities in clinical practice, professional and public education, research, and public policy. With an active membership of over 6,700 health care professionals, the Society has become a pivotal force in shaping attitudes, policies, and practices in geriatric medicine.

JOHN A. HARTFORD FOUNDATION

Founded in 1929, the John A. Hartford Foundation is a committed champion of training, research and service system innovations that promote the health and independence of American's older adults. Through its grantmaking, the Foundation seeks to strengthen the nation's capacity to provide effective, affordable care to this rapidly increasing older population by educating "aging-prepared" health professionals (physicians, nurses, social workers), and developing innovations that improve and better integrate health and supportive services. The Foundation was established by John A. Hartford. Mr. Hartford and his brother, George L. Hartford, both former chief executives of the Great Atlantic & Pacific Tea Company, left the bulk of their estates to the Foundation upon their deaths in the 1950s. Additional information about the Foundation and its programs is available at www.jhartfound.org.

NATIONAL INSTITUTE ON AGING

The NIA is the leading federal agency supporting and conducting biomedical, social and behavioral research and training related to aging and the diseases and special needs of older people. It is part of the National Institutes of Health—The Nation's Medical Research Agency. NIH includes 27 institutes and centers and is a component of the U.S. Department of Health and Human Services. NIH is the primary federal agency for conducting and supporting basic, clinical and translational medical research, and it investigates the causes, treatments, and cures for both common and rare diseases. For more information about NIH and its programs, visit www.nih.gov.

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