



Mechanisms and Management of Pain in the Elderly

June 30-July 1, 2008

Doubletree Hotel
8120 Wisconsin Avenue
Bethesda, MD 20814

WORKSHOP SPONSORSHIP

NATIONAL INSTITUTE ON AGING (NIA)

Division of Neuroscience (DN)

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NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)

Division of Neuroscience and Behavioral Research

NIH PAIN CONSORTIUM

Organizing Committee

NIA-DN: Wen Chen, Andrew Monjan, Marcelle Morrison-Bogorad, Molly Wagster

NIA-DGCG: Basil Eldadah, Evan Hadley, Susan Nayfield

NIA-DBSR: Lisbeth Nielsen, Sidney Stahl

NIH Clinical Center: Ann Berger

NIDA: David Thomas

NIDCR: John Kusiak

NINDS: Linda Porter

NINR: Raymond Dionne

Monday June 30, 2008

8:00 a.m. Breakfast

8:30 a.m. Welcome Remarks

Richard Hodes, Director of the NIA

8:35 a.m. Orientation

Wen Chen, NIA/NIH

THEME ONE COMPLEXITY OF PAIN IN THE ELDERLY

SESSION 1 OVERVIEW OF RESEARCH ON PAIN IN THE ELDERLY: BIOPSYCHOSOCIAL CONSIDERATIONS

8:40 a.m. Mechanisms and Management of Pain in Older Adults: A Conceptual Framework

Debra Weiner, University of Pittsburgh

9:00 a.m. Social and Economic Profile of Pain

Arthur Stone, State University of New York-Stony Brook

9:20 a.m. Discussions

Carmen Green, University of Michigan Medical School

9:40 a.m. Break

SESSION 2 BIOLOGY OF PAIN IN THE ELDERLY

9:50 a.m. Peripheral Detection of Nociceptive Pain

David Julius, University of California-San Francisco

10:10 a.m. Mechanisms of Inflammatory Pain and Aging

Jon Levine, University of California-San Francisco

10:30 a.m. **Neuropathic Pain**
Anne Louise Oaklander, Harvard Medical School

10:50 a.m. **Central Processing and Modulation of Pain**
Pierre Rainville, Université de Montréal, Canada

11:10 a.m. **Discussions**
Linda Porter, NINDS/NIH

11:30 a.m. **Lunch Break**

**SESSION 3 VULNERABILITY TO CHRONIC PAIN:
PSYCHOLOGICAL, PHYSIOLOGICAL AND
FUNCTIONAL PERSPECTIVES**

12:30 p.m. **A Psychophysiological Systems View of Pain**
C Richard Chapman, University of Utah School of Medicine

12:50 p.m. **Connections between Pain, Emotional Experience and Personality: Painfully
Obvious or Perplexing Puzzle?**
Susan Charles, University of California-Irvine

1:10 p.m. **Cognitive Consequences of Pain in the Elderly**
Monique Cherrier, University of Washington

1:30 p.m. **Functional Consequences of Pain in the Elderly**
Suzanne Leveille, Harvard Medical School

1:50 p.m. **Discussions**
Lisbeth Nielsen, NIA/NIH

2:10 p.m. **Break**

THEME TWO ASSESSMENT AND MEASUREMENT OF PAIN IN THE ELDERLY

SESSION 4 ASSESSMENT OF PAIN IN THE ELDERLY

- 2:25 p.m.** **Neuroimaging Pain in the Elderly**
Stephen Gibson, National Ageing Research Institute, Australia
- 2:45 p.m.** **Self-Report and Behavioral Observational Assessment of Pain in Persons with Dementia**
A Lynn Snow, University of Alabama and Tuscaloosa VA Medical Center
- 3:05 p.m.** **Uncovering the Biochemical Milieu of Myofascial Trigger Points Using *In-Vivo* Microdialysis**
Jay Shah, Clinical Center/NIH
- 3:25 p.m.** **New Assessment Tools -- PROMIS/NIH Toolbox**
James Witter, NIAMS/NIH; Molly Wagster, NIA/NIH
- 3:45 p.m.** **Pain Fingerprints - a New Paradigm in Clinical Pain Phenotype Assessment**
Clifford Woolf, Harvard Medical School
- 4: 05 p.m.** **Genetic Association Studies of Pain and Its Complications**
Mitchell Max, University of Pittsburgh School of Medicine
- 4:25 p.m.** **Discussions**
Wendy Smith, Office of Science Policy/Office of the Director/NIH
- 4:45 p.m.** **Break**

SESSION 5 ANIMAL MODELS OF PAIN MEASUREMENT

- 5:00 p.m.** **Effects of Age on Pain Sensitivity: Models of Pain Assessment**
Robert Yezierski, University of Florida

5:20 p.m. **Pain Models in Rodents: Relationships among Pain Types and Relatedness to Clinical Pain**

William Lariviere, University of Pittsburgh School of Medicine

5:40 p.m. **Discussions**

Conan Kornetsky, Boston University

6:00 p.m. **Adjourn for Day One**

Tuesday July 1, 2008

8:00 a.m. **Breakfast**

8:30 a.m. **NIH Pain Consortium**

Patricia Grady, Director of the NINR

**THEME THREE TREATMENT AND MANAGEMENT OF
PAIN IN THE ELDERLY**

**SESSION 6 PHARMACOLOGICAL APPROACHES FOR PAIN IN THE
ELDERLY – THE CURRENT AND THE FUTURE**

8:50 a.m. **Pharmacotherapy of Pain in the Elderly**

Joseph Hanlon, University of Pittsburgh

9:10 a.m. **Treating Pain in the Elderly: The Delicate Balance between Efficacy versus Adverse Reactions and Drug Interactions**

Srinivasa Raja, Johns Hopkins University School of Medicine

9:30 a.m. **Strategies for Targeted Pain Treatment**

Joachim Scholz, Massachusetts General Hospital

9:50 a.m. **Can Imaging Provide Useful Insights into Pain Diagnosis and Treatment?**

David Borsook, Harvard Medical School

10:10 a.m. Discussions

David Thomas, NIDA/NIH

10:30 a.m. Break

SESSION 7 NON-PHARMACOLOGIC APPROACHES TO PAIN THERAPY

10:40 p.m. Integrative & Physical Medicine Approaches to Pain Management

Joseph Audette, Harvard Medical School

11:00 a.m. Cognitive-Behavioral, Hypnotic, and Biofeedback Approaches for Chronic Pain in the Elderly

Ivan Molton, University of Washington

11:20 a.m. Real-time fMRI for Treating Pain

Jon Hawkinson, Omneuron Inc.

11:40 a.m. Deep Brain Stimulation for Pain Treatment

Morten Kringelbach, Oxford University

12:00 noon Discussions

Ann Berger, Clinical Center/NIH

12:20 p.m. Lunch Break

SESSION 8 PAIN MANAGEMENT FROM INDIVIDUAL TO SYSTEM

1:10 p.m. Osteoarthritis Pain

Tuhina Neogi, Boston University Medical Center

1:30 p.m. Detection of Ischemic Pain

Edwin McCleskey, Howard Hughes Medical Institute

1:50 p.m. Individual Variability of Pain Therapy

Ray Dionne, NINR/NIH

2:10 p.m. Translating Pain Research into Practice

R. Sean Morrison, Mount Sinai School of Medicine

2:30 p.m. Discussions

Carmen Green, University of Michigan Medical School

3:00 p.m. Adjourn for the Workshop