



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)

Division of Geriatrics and Clinical Gerontology (DGCG)

Division of Behavioral and Social Research (DBSR)

NATIONAL CENTER FOR COMPLEMENTARY AND ALTERNATIVE MEDICINE (NCCAM)

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

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 Yeziarski, 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