

*Oregon Health & Science University and  
The National Institute of Arthritis and Musculoskeletal and Skin Diseases  
(part of the Department of Health and Human Services' National Institutes of Health)  
present*

## **Fibromyalgia Workshop: The Next Advances**

The Marriott Wardman Park  
Washington, D.C.

November 11-12, 2004





## **Fibromyalgia Workshop: The Next Advances** **November 11-12, 2004**

Come and join in learning the latest on the scientific understanding of fibromyalgia (FM) and help develop a research agenda to advance the field. FM remains a very poorly understood chronic musculoskeletal pain condition often resulting in a high level of persistent impairment and suffering as well as high economic costs and societal burdens. The discovery of key dysfunctions in FM involving the central nervous system has led to a shift from looking for specific muscle dysfunctions to central or non-nociceptive pain processes. However, research in FM has not yet fully realized the potential for interdisciplinary cross-fertilization among the various relevant biomedical and psychosocial disciplines.

This workshop, planned in collaboration between Oregon Health & Science University (OHSU) and the National Institutes of Health National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIH/NIAMS), will summarize and then challenge existing knowledge of FM to propose an interdisciplinary research agenda to advance understanding of its causes and contributing factors. The primary organizing focus will be on the emerging understanding of the role of non-nociceptive central pain in FM. The workshop will provide clinicians with a conceptual grounding of current state of the science understanding of factors contributing to FM. Young investigators or investigators new to the field of FM will receive career enhancement opportunities and information.

We invite you to attend a day and a half of stimulating scientific presentations, participate in discussions focused on innovative research findings, and network with interdisciplinary experts invested in the continued evolution of FM research. We invite you to help set the agenda for the next generation of cutting-edge research on FM and develop a better understanding to improve the quality of life for persons with FM.

### **Target Audience**

This workshop will be of value to researchers in behavioral and biomedical science, health care professionals, including rheumatologists, neurologists, internists, family practitioners, nurses, psychologists, physical and occupational therapists, and others, as well as patients with FM, patient advocates, and industries targeting better assessment and treatment of FM.

## **Workshop Goals**

The goals of the workshop include:

- Develop recommendations for integrated interdisciplinary (biomedical and psychosocial-behavioral) research directions to advance understanding of the pathophysiology of FM.
- Provide clinicians with the latest scientific information about biological and psychosocial-behavioral interactions in producing FM, particularly through central pain processes.
- Provide young or new (to FM) investigators opportunities for career enhancement in interdisciplinary FM research.

## **Educational Objectives**

At the conclusion of this workshop, participants will be able to:

- Describe current knowledge of factors contributing to FM from an integrated multidimensional (biological, psychosocial-behavioral) perspective.
- Describe how biological and psychosocial-behavioral perspectives on FM have each informed the other in research thus far.
- Summarize gaps in existing knowledge to bridge biological and psychosocial-behavioral perspectives on FM.
- Summarize the most pressing questions that need to be addressed to advance the field.
- Describe potential methodologies and/or modes of interdisciplinary collaboration that would most likely enhance understanding of the field.

## **Educational Methods**

The workshop will include lectures, panel presentations, comments and discussions, question-and-answer sessions with audience participation, and a poster session. There will be time for interaction between the speakers and participants in the general sessions and in the poster session and reception.

## **Evaluation**

A course evaluation form will give participants the opportunity to review each session and speaker, identify future educational needs, and comment on any perceived commercial bias in the presentations.



### **Accreditation**

Oregon Health & Science University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

### **Credit**

American Medical Association: OHSU School of Medicine, Division of CME, designates this educational activity for a maximum of 10.5 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the activity.

Please check the workshop Website for updates on continuing education credits for other disciplines at [www.ohsu.edu/anesth/Clinical\\_Services/pain.html](http://www.ohsu.edu/anesth/Clinical_Services/pain.html)

### **Sponsors**

This workshop has been planned in collaboration between Oregon Health & Science University (OHSU) and the National Institutes of Health National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIH/NIAMS).

### **Contributors**

Generous support for this program has been provided by Pfizer, Inc., Forest Laboratories and Cypress Bioscience, Inc., and Janssen Medical Affairs, LLC.

### Call for Abstracts

Investigators at any stage of their careers are invited to submit abstracts for consideration as poster presentations. A poster session and reception at the conclusion of the first day, open to all workshop attendees, will ensure time for informal discussion of the posters and other meeting topics with experienced investigators and workshop faculty members. Re-use of posters exhibited elsewhere in the preceding year is accepted, as well, to encourage maximum participation and exposure to recent information about FM. If material was previously presented in part or in its entirety, this must be indicated and appropriate permission noted.

### Deadline for abstract submission is October 1, 2004.

Submit abstract electronically with your name, academic or other affiliation and title, mailing address, phone and fax numbers, and e-mail address to koestler@ohsu.edu.

### Young and New Investigator Awards

Investigators who are early in their careers, just forming or interested in forming interdisciplinary research teams focusing on FM, or others more advanced in their careers and making a shift in focus to FM, are encouraged to apply for awards of \$500 to help defray cost of attending the workshop. Those who submit an abstract for review in the poster session will be given priority consideration. Those given awards also will have the chance to meet in a special luncheon on the first day with members of the expert panel and workshop faculty for additional informal discussions.

### Guidelines to Apply for Awards

Submit name, academic or other affiliation and title, mailing address, phone and fax numbers, and e-mail address along with a curriculum vitae and statement of research interests and plans to:

Dr. David Nelson, c/o Kay Koestler  
Oregon Health & Science University  
3181 S.W. Sam Jackson Park Road, Mailstop OP-26  
Portland, OR 97239-3098.

Electronic submissions are encouraged and may be sent to:  
Kay Koestler via koestler@ohsu.edu

Application deadline is **October 1, 2004**. Collaborative teams of investigators are encouraged to apply and will be given preferential consideration.

## Workshop Program - Day 1

**Thursday, November 11, 2004**

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|----------|---|
| 7:00 AM  | Registration and Continental Breakfast  |
| 8:00 AM  | Welcome and Introduction<br>David V. Nelson, Ph.D. (OHSU)   |
| 8:15 AM  | Sponsor's Welcome by NIAMS Staff<br>Deborah N. Ader, Ph.D. (NIH/NIAMS)  |
| 8:30 AM  | The Fibromyalgia (FM) Construct - From Past to Future<br>Robert M. Bennett, M.D. (OHSU)   |
| 8:50 AM  | <b>Central Mechanisms in FM</b><br><br>Central Sensitization and Abnormal Pain Processing in FM<br>Roland M. Staud, M.D. (Univ. of Florida College of Medicine)<br><br>Central/Non-nociceptive Pain and Disinhibition<br>Serge Marchand, Ph.D. (Univ. de Sherbrooke)<br><br>Functional Imaging (PET, fMRI)<br>Implications for Central Mechanisms in FM<br>Richard H. Gracely, Ph.D. (Univ. of Michigan Medical School)   |
| 9:50 AM  | Break   |
| 10:15 AM | <b>Central Mechanisms in FM (continued)</b><br><br>A Dysfunction of the Hypothalamus in Rats Mimics the Fibromyalgia Syndrome<br>Luc Jasmin, M.D., Ph.D. (Univ. of California, San Francisco)<br><br>Immune/Glial Activation: Implications for "FM-like" Sickness Responses<br>Linda R. Watkins, Ph.D. (Univ. of Colorado, Boulder)<br><br>Possible Mast Cell Involvement in FM<br>Alice A. Larson, Ph.D. (Univ. of Minnesota)<br><br>Panel Discussion and Audience Participation |

## Workshop Program - Day 1 (continued)

12:00 PM Luncheon  
Young, new, and collaborative team investigators' career development lunch.  
Other participants luncheon on own.

1:30 PM **Autonomic, Neuroendocrine, and Psychosocial Interactions**

Autonomic and Neuroendocrine Dysfunctions in FM  
Gail K. Adler, M.D., Ph.D. (Brigham and Women's Hospital/Harvard Medical School)

Autonomic and Neuroendocrine Dysfunctions in Related  
Biobehavioral Disorders

Stress Systems and Behavioral, Neuroendocrine, Metabolic, and  
Immune Changes  
George P. Chrousos, M.D. (NIH/NICHHD)

Childhood Abuse and PTSD  
J. Douglas Bremner, M.D. (Emory Univ. School of Medicine)

Panel Discussion and Audience Participation

3:00 PM Break

3:30 PM **Autonomic, Neuroendocrine, and Psychosocial Interactions (continued)**

Linking Autonomic, Neuroendocrine, Neuroimaging Findings and  
Psychosocial Dysfunctions with Non-nociceptive Pain in FM  
David A. Williams, Ph.D. (Univ. of Michigan Medical School)

Stress Reactivity and Psychophysiological Dysregulation -  
Homogeneity versus Heterogeneity  
Dennis C. Turk, Ph.D. (Univ. of Washington School of Medicine)

Panel Discussion and Audience Participation

5:00 PM Poster Session and Reception

## Workshop Program - Day 2

**Friday, November 12, 2004**

7:00 AM Continental Breakfast

8:00 AM Welcome Back and Recap

8:15 AM **Central Pain, Sensitization, and Other Biobehavioral Disorders**

**Fatigue Syndromes**

Daniel J. Clauw, M.D. (Univ. of Michigan Medical School)

**Chronic Headache/Migraine**

Todd D. Rozen, M.D. (Michigan Head-Pain and Neurological Institute)

**Irritable Bowel Syndrome**

Bruce D. Naliboff, Ph.D. (UCLA School of Medicine)

**Temporomandibular Dysfunction**

William Maixner, D.D.S., Ph.D. (Univ. of North Carolina School of Dentistry)

**Neuropathic Pain**

Michael C. Rowbotham, M.D. (Univ. of California, San Francisco)

**Panel Discussion and Audience Participation**

10:00 AM Break

10:30 AM **Models of FM**

**Importance of Models**

Dennis C. Turk, Ph.D. (Univ. of Washington School of Medicine)

**Diathesis-Stress/Dynamic Process Model**

Akiko Okifuji, Ph.D. (Univ. of Utah Health Sciences Center)

**Shared Vulnerability for FM and Major Depressive Disorder: Possible Mechanisms**

Karen G. Raphael, Ph.D. (Univ. of Medicine & Dentistry of New Jersey)

**Comments from a Neurochemical Perspective**

I. Jon Russell, M.D., Ph.D. (Univ. of Texas Health Science Center at San Antonio)

**Comments from a Neuromatrix Application**

Laurence A. Bradley, Ph.D. (Univ. of Alabama at Birmingham)

**Panel Discussion and Audience Participation**

12:30 PM Wrapping Up and Concluding Comments

Robert M. Bennett, M.D. (OHSU)



## Organizing Committee

### From OHSU

**David V. Nelson, Ph.D.**

Associate Professor  
Pain Management Center  
Dept. of Anesthesiology & Peri-Operative Medicine  
Oregon Health & Science University  
Portland, Ore.

**Robert M. Bennett, M.D., F.R.C.P.**

Professor of Medicine  
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Oregon Health & Science University  
Portland, Ore.

**Atul Deodhar, M.D., M.R.C.P.**

Assistant Professor of Medicine  
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Oregon Health & Science University  
Portland, Ore.

**Kim Dupree Jones, R.N., Ph.D., F.N.P.**

Assistant Professor  
Schools of Nursing and Medicine  
Oregon Health & Science University  
Portland, Ore.

**Brett R. Stacey, M.D.**

Associate Professor, Anesthesiology  
Medical Director, Pain Management Center  
Dept. of Anesthesiology & Peri-Operative Medicine  
Oregon Health & Science University  
Portland, Ore.

### From outside OHSU

**Deborah N. Ader, Ph.D.**

Director, Behavioral & Prevention Research Program  
National Institute of Arthritis and Musculoskeletal  
and Skin Diseases, National Institutes of Health  
Department of Health and Human Services  
Bethesda, Md.

**Laurence A. Bradley, Ph.D.**

Professor of Medicine  
Division of Clinical Immunology and Rheumatology  
University of Alabama at Birmingham  
Birmingham, Ala.

**Daniel J. Clauw, M.D.**

Professor of Medicine, Division of Rheumatology  
Director, Chronic Pain & Fatigue Research Center  
Director, Center for the Advancement of Clinical Research  
University of Michigan Medical School  
Ann Arbor, Mich.

**Jennifer M. Glass, Ph.D.**

Assistant Research Scientist, Institute for Social Research  
Research Assistant Professor, Dept. of Psychiatry  
University of Michigan  
Ann Arbor, Mich.

**Akiko Okifuji, Ph.D.**

Associate Professor, Pain Research & Management Center  
Dept. of Anesthesiology  
University of Utah Health Sciences Center  
Salt Lake City, Utah

**I. Jon Russell, M.D., Ph.D.**

Associate Professor of Medicine  
The University of Texas Health Science Center at San Antonio  
San Antonio, Texas

**Dennis C. Turk, Ph.D.**

John & Emma Bonica Professor of Anesthesiology and  
Pain Research  
Dept. of Anesthesiology  
University of Washington School of Medicine  
Seattle, Wash.

**David A. Williams, Ph.D.**

Associate Professor, Depts. of Medicine, Psychiatry and  
Psychology  
Associate Director, Chronic Pain & Fatigue Research Center  
University of Michigan Medical School  
Ann Arbor, Mich.

## Faculty Presenters

### **Gail K. Adler, M.D., Ph.D.**

Assistant Professor of Medicine  
Division of Endocrinology, Diabetes, and Hypertension  
Brigham and Women's Hospital/Harvard Medical School  
Boston, Mass.

### **Robert M. Bennett, M.D., F.R.C.P.**

Professor of Medicine  
Division of Arthritis and Rheumatic Diseases  
Oregon Health & Science University  
Portland, Ore.

### **Laurence A. Bradley, Ph.D.**

Professor of Medicine  
Division of Clinical Immunology and Rheumatology  
University of Alabama at Birmingham  
Birmingham, Ala.

### **J. Douglas Bremner, M.D.**

Associate Professor  
Director, Emory Center for Positron Emission Tomography  
Dept. of Psychiatry and Behavioral Sciences  
Emory University School of Medicine  
Atlanta, Ga.

### **George P. Chrousos, M.D., FA.A.P., F.A.C.P., M.A.C.E.**

Chief, Pediatric and Reproductive Endocrinology Branch  
National Institute of Child Health and Human Development  
National Institutes of Health  
Department of Health and Human Services  
Bethesda, Md.

### **Daniel J. Clauw, M.D.**

Professor of Medicine, Division of Rheumatology  
Director, Chronic Pain & Fatigue Research Center  
Director, Center for the Advancement of Clinical Research  
University of Michigan Medical School  
Ann Arbor, Mich.

### **Richard H. Gracely, Ph.D.**

Professor, Depts. of Medicine-Rheumatology and Neurology  
Director of Mechanistic Studies,  
Chronic Pain & Fatigue Research Center  
University of Michigan Health System and VAMC  
Ann Arbor, Mich.

### **Luc Jasmin, M.D., Ph.D.**

Assistant Professor in Residence  
Depts. of Neurosurgery and Anatomy  
University of California, San Francisco  
San Francisco, Calif.

### **Alice A. Larson, Ph.D.**

Professor of Pharmacology and Neuroscience  
Dept. of Veterinary and Biomedical Sciences  
University of Minnesota Twin Cities Campus  
St. Paul, Minn.

### **William Maixner, D.D.S., Ph.D.**

Professor, Dental Research Center  
Associate Dean, Academic Affairs  
Director, Graduate Studies  
School of Dentistry, University of North Carolina  
Chapel Hill, N.C.

### **Serge Marchand, Ph.D.**

Professor and Chair in Pain  
Dept. of Neurosurgery  
Universite de Sherbrooke  
Sherbrooke, Québec, Canada

### **Bruce D. Naliboff, Ph.D.**

Clinical Professor, Dept. of Psychiatry & Behavioral Sciences  
Co-Director, Center for Neurovisceral Sciences and  
Women's Health  
UCLA School of Medicine and the VA Greater Los Angeles Healthcare  
System  
Los Angeles, Calif.

### **Akiko Okifuji, Ph.D.**

Associate Professor  
Pain Research & Management Center  
Dept. of Anesthesiology  
University of Utah Health Sciences Center  
Salt Lake City, Utah

### **Karen G. Raphael, Ph.D.**

Associate Professor  
Medical School - Dept. of Psychiatry  
Dental School - Dept. of Oral Pathology, Biology,  
and Diagnostic Sciences  
University of Medicine and Dentistry of New Jersey  
Newark, N.J.

**Michael Rowbotham, M.D.**

Professor of Clinical Neurology and Anesthesia  
Director, Pain Clinical Research Center  
University of California, San Francisco  
San Francisco, Calif.

**Todd D. Rozen, M.D.**

Director of Outpatient Clinic  
Michigan Head-Pain and Neurological Institute  
Ann Arbor, Mich.

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The University of Texas Health Science Center at San Antonio  
San Antonio, Texas

**Roland M. Staud, M.D.**

Associate Professor of Medicine  
Division of Rheumatology, Dept. of Medicine  
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Gainesville, Fla.

**Dennis C. Turk, Ph.D.**

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Seattle, Wash.

**Linda R. Watkins, Ph.D.**

Professor & Director, The Interdepartmental Neuroscience Program  
Dept. of Psychology and Center for Neuroscience  
University of Colorado at Boulder  
Boulder, Colo.

**David A. Williams, Ph.D.**

Associate Professor, Depts. of Medicine, Psychiatry and Psychology  
Associate Director, Chronic Pain & Fatigue Research Center  
University of Michigan Medical School  
Ann Arbor, Mich.

## Hotel Accommodations

### Marriott Wardman Park Hotel

2660 Woodley Road, N.W.  
Washington, DC 20008  
Telephone (202) 328-2000  
Guest Fax (202) 234-0015

### Location

The Marriott Wardman Park Hotel is located in the heart of Washington, D.C.'s Woodley Park neighborhood and only a few minutes away from the National Zoo and the National Cathedral. The hotel is eight miles from Reagan National Airport, 29 miles from Washington-Dulles International Airport, and 34 miles from Baltimore/Washington International Airport.

### Reservations

A block of guest rooms has been arranged for arrival on Wednesday, November 10, 2004 and departure on Friday, November 12, 2004. Please make your reservations with the Marriott Central Reservations toll-free line at (800) 228-9290 or the Marriott Wardman Park directly at (202) 328-2983. Please reference the "Fibromyalgia Workshop" conference, and you will be eligible for the group rate of \$189 (plus applicable taxes, currently 14.5%).

### Deadline to Reserve Hotel Rooms

The cut-off date to arrange for lodging at the reduced group rate is **October 10, 2004**. Reservations MUST be confirmed prior to the cut-off date. Group rates and guest room availability cannot be guaranteed after the cut-off date and will be at the discretion of the hotel. You will be responsible for settling all charges at hotel check-out. Check-in is anytime after 3:00pm. Check-out is before 12:00 noon on your scheduled day of departure. All reservations must be accompanied by a first-night room deposit or guaranteed with a major credit card. If you need to cancel your reservation, please do so at least 72 hours before your scheduled arrival date to avoid a direct credit charge of one night's lodging. If you cancel your reservation, obtain a cancellation number from the reservationist for your records.

### **Parking**

Valet parking is available for a daily rate of \$26 and self-parking is available for a daily rate of \$22.

### **Taxi Service**

Taxi service is available from the three metropolitan-area airports. Costs noted are approximate and may change without notice:

\$20 Reagan National Airport

\$45 Washington-Dulles International Airport

\$60 Baltimore/Washington International Airport

### **Shuttle Service**

Supershuttle (1-800-258-3826) provides service from Reagan National Airport for \$10 per person, Washington-Dulles International Airport for \$21, and Baltimore/Washington International Airport for \$30 per person. Listed shuttle costs are approximate and subject to change without notice. Advance reservations are not required for trips from the area airports. Advance reservations are required for trips from the hotel back to the area airports.

### **Driving Directions**

Please contact the hotel directly at (202) 328-2000 to obtain driving directions.

### **Metrorail**

The Marriott Wardman Park hotel is located a short walk from the Woodley Park Zoo/Adams Morgan Metro Station of the Washington, D.C. Metrorail-area subway system. The Metrorail operates directly from National Airport. If interested, you can take the yellow line train from National Airport to the Gallery Place Station, then transfer to the red line train marked Shady Grove or Grosvenor, and exit at the Woodley Park Zoo/Adams Morgan Station.

## Registration Information

### Fee

The registration fee for all attendees is \$150.

### To Register

To register, please complete and return the registration form with your registration fees to:

**Mail:** Fibromyalgia Workshop  
c/o Kay Koestler  
Dept. of Anesthesiology & Peri-Operative Medicine  
Mailstop OP-26  
Oregon Health & Science University  
3181 S.W. Sam Jackson Park Road  
Portland, OR 97239-3098

**Fax:** (503) 494-7635

**Email:** You can request and return an electronic registration form at  
koestler@ohsu.edu.

### Payment

Payment must accompany the registration form with credit card information or check or money order payable to OHSU Foundation in U.S. dollars. Indicate on the memo line Fibromyalgia Workshop. Purchase orders or wire transfers will not be accepted.

### Cancellations and Refunds

Refund requests must be in writing and faxed or postmarked by October 31, 2004. A \$25 handling fee will be assessed. Refunds will be processed within 30 days after the workshop.

### For Information

For more information, please contact Kay Koestler by phone (503) 494-7808 or e-mail koestler@ohsu.edu.

Check the workshop Website for meeting updates.

**[www.ohsu.edu/anesth/Clinical\\_Services/pain.html](http://www.ohsu.edu/anesth/Clinical_Services/pain.html)**

*OHSU is an equal opportunity, affirmative action institution.*

**REGISTRATION FORM**  
**FIBROMYALGIA WORKSHOP: THE NEXT ADVANCES**  
 November 11-12, 2004. The Marriott Wardman Park Hotel, Washington, D.C.

<b>NAME</b>			
<b>DEGREE(S)</b>			
<b>PROFESSIONAL TITLE</b>			
<b>ORGANIZATION/AFFILIATION</b>			
<b>DEPARTMENT</b>			
<b>ADDRESS 1</b>			
<b>ADDRESS 2</b>			
<b>ZIP/POSTAL CODE</b>			<b>STATE</b>
<b>TELEPHONE</b>			<b>FAX</b>
<b>EMAIL</b>			

**REGISTRATION FEE:** \$150

<b>PAYMENT</b>	<input type="checkbox"/> Check or money order	<b>MC Visa #</b>	
	<input type="checkbox"/> Credit card		

Payment must accompany registration form. Please indicate names of ALL registrants on check or money order payments to ensure proper processing. Payments must be made in U.S. Dollars. Make payable to OHSU Foundation, indicate in the memo line Fibromyalgia Workshop. No purchase orders or wire transfers will be accepted.

**EMERGENCY CONTACT INFORMATION**

Please provide name and phone number of individual to contact in case of emergency.

<b>Name</b>	<b>Telephone</b>
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**SPECIAL REQUIREMENTS**

Arrangements for participants with disabilities: Conference facilities and overnight accommodations are accessible to persons with disabilities. Indicate any special needs 14 business days prior to the workshop.

Indicate any special needs (dietary restrictions, etc.):

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**REFUND REQUESTS**

Refund requests must be made in writing and faxed or postmarked by October 31, 2004. A \$25 handling fee will be assessed on all refunds. Refunds will be processed for payment after the workshop.

**RETURN REGISTRATION FORM BY OCTOBER 15, 2004 TO:**

Kay Koestler  
 Oregon Health & Science University  
 3181 S.W. Sam Jackson Park Road, Mailstop OP-26 Portland, OR 97239-3098  
 Phone (503) 494-7808, Fax (503) 494-7635, E-mail koestler@ohsu.edu