

# IACFS/ME

International Association for Chronic Fatigue Syndrome/Myalgic Encephalomyelitis

Dedicated to research, education, treatment and finding a cure for  
Chronic Fatigue Syndrome/Myalgic Encephalomyelitis

## 12th International IACFS/ME Research and Clinical Conference: Emerging Science and Clinical Care

October 27-30, 2016

The Westin Fort Lauderdale Beach Resort, Fort Lauderdale, Florida USA



Mark your calendars to join us next **October 27-30, 2016 for our 12<sup>th</sup> International Research and Clinical Conference to be held in Fort Lauderdale, Florida, USA at the Westin Fort Lauderdale Beach Resort.** We anticipate an exciting, informative program including our signature opening day workshops for clinicians and our unique lecture series tailored for patients and their supporters. Days 2-4 will include poster sessions, oral presentations, networking events, and a gala reception and dinner on Saturday. The Institute for Neuro Immune Medicine at Nova Southeastern University, based in Fort Lauderdale, will also be hosting a special pre-conference day of talks on October 26.

Our conferences are attended by hundreds of scientists, physicians, other professionals, and patients interested in chronic fatigue syndrome/myalgic encephalomyelitis, fibromyalgia, and co-morbid illnesses (e.g. orthostatic intolerance, insomnia, irritable bowel syndrome, hypothyroidism) as well as other medical conditions/circumstances (e.g. cancer, multiple sclerosis, rheumatologic diseases, aging, overwork) associated with acute or chronic fatigue. Attendees come from all over the United States and over 25 countries.

Patient Agenda .....	3
Thursday, October 27th .....	3
Professional Agenda .....	5
Thursday, October 27 <sup>th</sup> .....	6
General Session Agenda-Friday, October 28th .....	8
Session 1: The Latest Research in Immunology and the Microbiome .....	8
Session 2: Treatment Studies and Clinical Practice .....	9
Special Lunch Sessions .....	9
Session 3: Gulf War Illness.....	11
Session 4: Diagnosing CFS/ME; Difficult Clinical Cases: Focus on Fatigue and Pain .....	11
General Session Agenda-Saturday, October 29th .....	13
Session 5: CFS, SEID, ME Case Definitions: Clinical vs. Research Criteria.....	13
Session 6: Symptom Provocation Studies I .....	13
Session 7: Public Health Research .....	14
Session 8: Research on Autonomic Functioning and Comorbidities .....	15
Session 9: Advances in Brain Research and Neurological Studies .....	15
General Session Agenda-Sunday, October 30th .....	16
Session 10: Symptom Provocation Studies II.....	16
Session 11: Genetics Research .....	16
Session 12: Panel Discussion .....	17
Session 13: Medical Education Proposals for ME/CFS .....	17

## **Patient Agenda**

### Thursday, October 27th

8:00 am – 8:20 am

Welcome & Introduction

Fred Friedberg, Ph.D.

President, IACFS/ME

Research Associate Professor, Stony Brook University

Founder and Editor, *Fatigue: Biomedicine, Health, and Behavior*

Nova Southeastern University and local officials, to be determined

8:20 am – 9:15 am (last 15 min.: Q and A)

New ME/CFS Developments at the National Institutes of Health

Keynote Speaker: Vicky Whittemore, Ph.D.

Program Director, Channels, Synapses and Circuits

National Institute of Neurological Disorders and Stroke

9:15 am – 10:00 am (last 15 min.: Q and A)

Rituximab and Emerging Treatments

Daniel Peterson, M.D.

Sierra Internal Medicine

Oystein Fluge, MD

Chief Physician, Department of Oncology,

Haukeland University Hospital, University of Bergen, Norway

Olav Mella, MD

Department director/professor, Haukeland University Hospital, Oslo, Norway

10:00 am – 10:30 am

Break/Visit Exhibits

10:30 am – 11:00 am (last 10 min.: Q and A)

Ensuring effective and efficient medical appointments:

What can patients and caregivers do?

Lily Chu, M.D.

Independent Consultant

Co-Vice President, IACFS/ME

11:00 am – 11:45 am (last 10 min.: Q and A)

If not opioids, then what?

Jarred Younger, Ph.D.

Associate Professor

University of Alabama at Birmingham

11:45 am – 1:15 pm

Lunch Break/Visit Exhibits

1:15 pm – 3:00 pm

Patient workshops (run concurrently; attendees select one only)

Legal Issues with ME/CFS--Myths and Reality  
(Joint Patient and Professional Workshop)  
Steven Krafchick, J.D., M.P.H.  
Krafchick Law Firm  
IACFS/ME Board Member

Educating students suffering from ME/CFS—a Global Perspective  
(Joint Patient and Professional Workshop)  
Faith Newton, Ed.D.  
Associate Professor of Education  
Delaware State University

Moving ME/CFS Forward Internationally  
(Joint Patient and Professional Workshop)  
Margaret Parlor  
President, National ME/FM Action Network (Canada)  
Mary Dimmock, Advocate and Author

Mindfulness, Meditation, Movement, and Merriment (Patient Workshop)  
Judy-Anne Wilson  
Educator and artist  
Treasurer, ME Society of Edmonton, Canada

Pacing Approaches, Healing Time, and Other Techniques to Help Lessen ME/CFS  
Symptoms (Patient Workshop)  
Jon Kaiser, M.D.  
University of California, San Francisco

4:00 pm – 5:00 pm (last 15 min. Q and A)  
Fibromyalgia Update  
Lucinda Bateman, M.D.  
Fatigue Consultation Clinic  
Jarred Younger, Ph.D.  
Associate Professor  
University of Alabama at Birmingham

Following each talk,  
speakers will field questions written on cards by the audience as time permits

5:00 pm – 6:00 pm  
Advocacy Roundtable  
Everyone is welcome to participate.

6:00 pm – 8:00 pm  
Free screening of “Forgotten Plague” directed by Ryan Prior and Nicole Castillo,  
presented by the Blue Ribbon Foundation

<http://iacfsme.org/Conferences/2016-Fort-Lauderdale/Agenda/Patient-Agenda.aspx>

## Professional Agenda

### KEYNOTE SPEAKER:

Dr. Vicky Whittemore, National Institutes of Health, Program Director, Channels, Synapses and Circuits, National Institute of Neurological Disorders and Stroke

Dr. Whittemore received her Ph.D. in anatomy from the University of Minnesota, followed by post-doctoral work at the University of California, Irvine, and a Fogarty Fellowship at the Karolinska Institute in Stockholm, Sweden. She was on the faculty of the University of Miami School of Medicine in The Miami Project to Cure Paralysis prior to working with several non-profit organizations including the Tuberous Sclerosis Alliance, Genetic Alliance, Citizens United for Research in Epilepsy (CURE), and the National Coalition for Health Professional Education in Genetics (NCHPEG). She also served a four-year term on the National Advisory Neurological Disorders and Stroke Council.

Dr. Whittemore has been a strong voice for increasing the research commitment for ME/CFS at the NIH. This includes launching a research protocol at the NIH Clinical Center to intensively study individuals with ME/CFS and re-invigorating the efforts of the Trans-NIH ME/CFS Research Working Group. The working group, co-chaired by Dr. Whittemore, consists of representatives from 23 NIH institutes that help to support extramural ME/CFS research. Dr. Vicky Whittemore is also the NIH representative to the U.S. Department of Health and Human Services' Chronic Fatigue Syndrome Advisory Committee.

### PLENARY SPEAKER:

Dr. Øystein Fluge, Chief Physician, Department of Oncology, Haukeland University Hospital, University of Bergen, Norway

Dr. Fluge is Chief Physician in the Department of Oncology at Haukeland University Hospital, University of Bergen, Norway. He received his medical degree in 1988 from the University of Bergen and has specialized in oncology since 2004. He has conducted research at the Surgical Institute and Department of Molecular Biology, University of Bergen and has been funded as a Research Fellow by the Norwegian Cancer Society.

In 2004, Dr. Fluge and his colleague, Dr. Olav Mella, a neurologist at the same institution, noticed that a patient's ME/CFS symptoms improved substantially while undergoing chemotherapy treatment for a concurrent diagnosis of lymphoma. This was followed by a pilot study in 2009 with positive results. In 2011, Dr. Fluge, Dr. Mella, and their colleagues published a randomized double-blind placebo-controlled trial of rituximab in 30 ME/CFS patients demonstrating that two-thirds of the intervention group experienced moderate to major improvements in their ME/CFS symptoms. For a medical condition with no disease-modifying treatments, this was a ground-breaking study. Currently, they are in the midst of attempting to replicate their results in a larger Phase III multi-center study in Norway.



Thursday, October 27<sup>th</sup>

8:00 am – 8:20 am

Welcome and Introduction

Dr. Fred Friedberg

President, IACFS/ME

Research Associate Professor, Stony Brook University

Founder and Editor, *Fatigue: Biomedicine, Health and Behavior*

Nova Southeastern University and local officials, to be determined

8:20 am – 9:15 am (last 15 min. are Q and A)

Keynote Address

New ME/CFS Developments at the National Institutes of Health

Dr. Vicky Whittemore

Program Director, Channels, Synapses and Circuits

National Institute of Neurological Disorders and Stroke

United States National Institutes of Health

9:30 am – 12:30 pm

Professional workshops (run concurrently; attendees select one only)

Review of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome, Fibromyalgia and Multiple Chemical Sensitivities/Environmental Sensitivities: Office Assessment and Management

Alison Bested, M.D., F.R.C.P.C.

Clinical associate professor, Department of Medicine, University of British Columbia

Learn to diagnose and treat the patients with complex chronic medical conditions in your office.

Acute and Chronic Enteroviral Infection

John Chia, M.D.

UCLA School of Medicine

The workshop entitled “Acute and Chronic Enterovirus Infection” is for professionals who would be interested in these virus infections and association with ME/CFS.

Nurses, nurse practitioners, physician assistants, physicians, researchers, epidemiologist will gain basic knowledge to recognize and diagnose these medical conditions and learn to associate these infections with ME/CFS.

How Cardiopulmonary Exercise Testing Informs Pathology and Treatment

Mark Van Ness, Ph.D.

Department of Health, Exercise, and Sport Science, University of the Pacific

Christopher Snell, Ph.D.

Scientific Advisor, WorkWell Foundation

Betsy Keller, Ph.D.

Department of Exercise and Sport Sciences, Ithaca College

Cardiopulmonary exercise testing (CPET) is a data collection paradigm that accurately and objectively describes the post-exertional response that ME/CFS patients experience. CPET will be described, including its utility for understanding ME/CFS pathology.

Information will be presented about how the post-exertional state is particularly useful for data collection pertaining to immunological, neurological and hormonal conditions.

1:30 pm – 4:30 pm

Professional workshops (run concurrently; attendees select one only)

#### Behavioral Assessment and Treatment of ME/CFS and Fibromyalgia

Fred Friedberg, Ph.D.

President, IACFS/ME

Research Associate Professor, Stony Brook University

Founder and Editor, *Fatigue: Biomedicine, Health and Behavior*

Leonard A. Jason, Ph.D.

Professor, DePaul University

In this introductory workshop on CFS/ME and fibromyalgia (FM), participants will learn about practical methods of and individualized treatment strategies. Our approach consists of self-management focused interventions and non-pharmacologic strategies for clinicians that can offer realistic hope for improvement in these patients. This workshop will benefit clinicians who work with CFS/ME and FM patients.

#### Diagnosing and Treating Orthostatic Intolerance

Peter Rowe, M.D.

Johns Hopkins University School of Medicine

Postural tachycardia and hypotension in response to orthostatic stress are common in those with ME/CFS. These circulatory disturbances contribute to ME/CFS symptoms and lower quality of life. This workshop will help clinicians identify and treat common forms of orthostatic intolerance in their patients with ME/CFS.

#### NIH Grant Writing Workshop

Vicky Whittemore, Ph.D.

Program Director, Channels, Synapses and Circuits

National Institute of Neurological Disorders and Stroke

The NIH Grant Writing Workshop will review skills that are critical for becoming a successful grant applicant.

## General Session Agenda-Friday, October 28th

8:00 am – 8:15 am

Welcome and Introduction

Fred Friedberg, Ph.D.

President, IACFS/ME

Research Associate Professor, Stony Brook University

Founder and Editor, *Fatigue: Biomedicine, Health and Behavior*

8:15 am – 9:00 am (last 15 min. are Q and A)

Plenary Session

B-lymphocyte depletion and disease mechanisms in ME/CFS

Oystein Fluge, M.D.

Chief Physician, Department of Oncology,

Haukeland University Hospital, University of Bergen, Norway

Paper Sessions following short paper presentations each 12 minutes in length, presenters will field questions written on cards by the audience and given to the chair as time permits.

9:00 am – 10:15 am

### **Session 1: The Latest Research in Immunology and the Microbiome**

Session Chair: Mady Hornig, M.D.

Mailman School of Public Health, Columbia University Medical Center

Exercise testing highlights differences in cytokine profile and network between patients with chronic fatigue syndrome and healthy sedentary participants

Jose G. Montoya, M.D., Stanford University School of Medicine

A panel of biomarkers accurately identifies CFS/ME patients and contributes to the understanding of the pathophysiology of the disorder

Kenny L. De Meirleir, M.D., Nevada Center for Biomedical Research at University of Nevada

A profile of circulating cytokines is associated with disease severity in chronic fatigue syndrome patients

Jose G. Montoya, M.D., Stanford University School of Medicine

Alterations in the enteric bacterial and viral microbiome in ME/CFS

Ludovic Giloteaux, Ph.D., Department of Molecular Biology and Genetics,

Department of Microbiology, Cornell University

10:15am – 10:45 am

Break/Visit Exhibits



10:45 am – 12:15 pm

## **Session 2: Treatment Studies and Clinical Practice**

Chair: Daniel Peterson, M.D.

Griffith University, Gold Coast, Australia

Owner, Sierra Internal Medicine, Incline Village, Nevada

### Reflections on the rituximab trials

Olav Mella, M.D., Department director/professor, Haukeland University Hospital, Oslo, Norway

### Synergy Trial for CFS – a phase 2 study of low-dose methylphenidate plus mitochondrial support

Lucinda Bateman, M.D., Bateman Horne Center of Excellence

### N-Acetylcysteine alleviates cortical glutathione deficit and improves symptoms in CFS:

An in vivo validation study using proton magnetic resonance spectroscopy  
Dikoma Shungu, Ph.D., Departments of Radiology, Neurology and Neuroscience, Weill Cornell Medicine

### A re-examination of the cognitive behavioral theory of CFS

Madison Sunnquist, DePaul University

### Potential for an immunosignature assay to aid in classification and prediction of rituximab response in ME/CFS

David Patrick, M.D., FRCPC, MHSc, University of British Columbia School of Population and Public Health

12:15 pm – 1:45 pm

Lunch Break/Visit Exhibitors

## **Special Lunch Sessions**

### 1. ME/CFS studies at the Centers for Disease Control and Prevention

#### Multi-site Clinic Assessment of ME/CFS (MCAM)

Chair: Elizabeth R. Unger, M.D., Ph.D.

Chief, Chronic Viral Diseases Branch

Centers for Disease Control and Prevention (CDC)

#### Study design of the multi-site clinic assessment of ME/CFS (MCAM)

Elizabeth R. Unger, M.D., Ph.D.

Jin-Mann S. Lin, Ph.D., Senior statistician/epidemiologist, US Centers for Disease Control and Prevention

#### Data on cognitive function from Multi-Site Clinical Assessment of Myalgic Encephomyelitis/Chronic Fatigue Syndrome (MCAM) – Preliminary Analysis

Gudrun Lange, Ph.D., Consulting Clinical Neuropsychologist, Mount Sinai Beth Israel Pain and Fatigue Study Center

Exercise testing data from the Multi-Site Clinic Assessment of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (MCAM) Study

Dane Cook, Ph.D., Professor of Kinesiology, University of Wisconsin-Madison

Salivary test data from the Multi-site Clinic Assessment of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS) (MCAM) Study

Jin-Mann S. Lin, Ph.D., Senior statistician/epidemiologist, US Centers for Disease Control and Prevention

Pilot study evaluating impact of sample processing and assay format on measured natural killer cell function

Troy Querec, Ph.D., Associate Service Fellow, Associate Service Fellow

Description of the Multi-site Clinic Assessment of ME/CFS (MCAM) Study

Mangalathu Rajeevan, Ph.D., Research Microbiologist, US Centers for Disease Control and Prevention

2. Mitochondrial Dysfunction: A Potential Etiology for ME/CFS?

Moderator: Jon D. Kaiser, MD, University of California Medical School, San Francisco

Speaker Panel:

Ron Davis, MD, Stanford University Medical School

Nancy Klimas, MD, Neuro Immune Institute, NOVA Southeastern

Dikoma Shungu, PhD, Departments of Radiology, Neurology and Neuroscience, Weill Cornell Medicine

Mitochondrial dysfunction is an etiologic mechanism that may explain the multisystem range of symptoms experienced by CFS patients. Electron micrographs of muscle biopsies have revealed abnormal mitochondrial degeneration. Evidence of oxidative damage and increased activity of antioxidant enzymes have also been chemically detected in muscle specimens of CFS patients. The classic presentation for an illness manifesting mitochondrial dysfunction is one that involves multiple symptoms spanning many domains. These typically include fatigue, cognitive impairment and other brain-related challenges, muscle weakness, exercise intolerance, and gastrointestinal problems. The broad symptoms profile found in ME/CFS is consistent with this description of a mitochondrial dysfunction disease.

Each panelist will share their perspective on this topic for ten minutes, including an overview of their own investigations, to be followed by a Q&A session.

1:45 pm – 2:45 pm

**Session 3: Gulf War Illness**

Session Co-chairs:

Kristy Lidie, Ph.D., US Department of Defense

Victor Kalisinsky, Ph.D., US Department of Veterans Affairs

Gulf War Illness Program Officers

Gulf war illness and chronic fatigue syndrome: lessons learned

Presenter: Lea Steele, Ph.D., Professor and Yudofsky Chair in Behavioral Neuroscience, Baylor College of Medicine

Brain Immune Interactions in Gulf War Illness: Cytokines and Cognition in US Military Veterans

Kimberly Sullivan, Ph.D., Boston University Medical Campus

Genomic approach to find mechanisms of Gulf War Illness pathobiology

Lubov Nathanson, Ph.D., Institute for Neuro Immune Medicine, Nova Southeastern University

Using gene expression signatures to identify novel treatment strategies in Gulf War Illness

Travis Craddock, Ph.D., Department of Psychology & Neuroscience, Nova Southeastern University

2:45 pm – 3:15pm

Break/Visit Exhibits

3:15 pm – 5:15 pm

**Session 4: Diagnosing CFS/ME; Difficult Clinical Cases: Focus on Fatigue and Pain**

Session Chair: Nancy Klimas, M.D.

Immediate Past President, IACFS/ME

Professor of Medicine & Director, Nova Southeastern University

Director, Miami VAMC Gulf War Illness & ME/CFS Research Program

Panel:

Lucinda Bateman, M.D., Bateman Horne Center of Excellence, Utah

John Chia, M.D., UCLA School of Medicine

Charles Lapp, M.D., Hunter-Hopkins Center, North Carolina

Dan Peterson, M.D., Sierra Internal Medicine, Incline Village, Nevada

Katherine Rowe, M.D., Royal Children's Hospital, Australia

Peter Rowe, M.D., Johns Hopkins University School of Medicine

5:15 pm – 6:00 pm

Visit Poster Presentations/Exhibits

Evening Session

6:30 pm – 8:30 pm

**Common Data Elements (CDEs) for Standardized Testing and Clinical Studies**

Chair: Vicky Whittemore, Ph.D.

Program Director, Channels, Synapses and Circuits

National Institute of Neurological Disorders and Stroke

The National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health and the Center for Disease Control and Prevention (CDC) will partner to develop common data elements (CDEs) for standardized testing and common data elements to be recorded in clinical studies/trials of individuals with myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS). The development of CDEs for ME/CFS will facilitate the comparison of results across studies and help to standardize analysis. The session will be led by NINDS and CDC Program Staff to discuss the timeline and process for developing the CDEs and to obtain feedback and input from ME/CFS stakeholders.

## General Session Agenda-Saturday, October 29th

8:00 am – 9:00 am

### **Session 5: CFS, SEID, ME Case Definitions: Clinical vs. Research Criteria**

Presenter: Leonard Jason, Ph.D.

Professor, DePaul University, Director of the Center for Community Research

Discussants:

Lucinda Bateman, M.D.

Chief Medical Officer

Bateman Horne Center of Excellence

Salt Lake City, Utah

Jon Kaiser, M.D.

IACFS/ME Board Member

University of California, San Francisco

9:00 am – 10:00 am

### **Session 6: Symptom Provocation Studies I**

Chair: Staci Stevens, M.A.

Founder, WorkWell Foundation

Cardiopulmonary exercise testing demonstrates post-exertional chronotropic incompetence

Mark Van Ness, Ph.D., Department of Health, Exercise, and Sport Science, University of the Pacific

Post-exertional malaise: multiple and unexpected symptoms, sometimes delayed, often prolonged

Lily Chu, M.D., Stanford University School of Medicine

Cognitive function in adolescents with chronic fatigue syndrome/myalgic encephalomyelitis: A novel paradigm

Sarah Knight, Ph.D., Murdoch Children's Research Institute, Australia

10:00 am – 10:30 am

Break/Visit Exhibits

10:30 am – 12:15 pm

**Session 7: Public Health Research**

Chair: Steve Krafchick, MPH, JD  
IACFS/ME Board Member

Estimating rates of pediatric chronic fatigue syndrome and myalgic encephalomyelitis in a community-based sample

Leonard A. Jason, Ph.D., DePaul University

Two year follow-up of impaired range of motion in adolescent chronic fatigue syndrome

Peter C. Rowe, M.D., Johns Hopkins University School of Medicine

Allergic disorder phenotypes in ME/CFS and patterns of medical comorbidity and clinical dysfunction

Susan Levine, M.D., Cornell Medical Center, New York City

Exploring the role of sex hormones in driving symptom severity in ME/CFS

Gordon Broderick, Ph.D., Department of Medicine, University of Alberta

Nurses' acute fatigue predicts sickness absence in the workplace: a 1-year retrospective cohort study

Knar Sagherian, RN, MSN, University of Maryland School of Nursing

Examining the accuracy of a physical diagnostic technique for chronic fatigue syndrome/myalgic encephalomyelitis: a blind controlled study

Ray Perrin, DO, Ph.D., Honorary Senior Lecturer: Allied Health Professions Research Unit, University of Central Lancashire, UK

Demographics of young people diagnosed with CFS in Victoria Australia

Katherine Rowe, M.B.B.S., M.D., Royal Children's Hospital, Melbourne, Australia

12:15 pm – 1:45 pm

Lunch Break/Visit Exhibits

Lunch Panel

**Special Interest Groups: International Research Networks**

David Patrick, Ph.D., Moderator  
Professor and Director  
School of Population and Public Health  
University of British Columbia, Canada

European network on myalgic encephalomyelitis/chronic fatigue syndrome (EUROMENE)

Eliana Lacerda, M.D., Ph.D., Assistant Professor, London School of Hygiene & Tropical Medicine

The case for stratification in ME/CFS: Experience from the UK ME/CFS Biobank

Luis Nacul, M.D., Ph.D.  
London School of Hygiene & Tropical Medicine



1:45 pm – 2:45 pm

**Session 8: Research on Autonomic Functioning and Comorbidities**

Chair: Peter Rowe, M.D., Johns Hopkins University School of Medicine

Postural tachycardia in chronic fatigue syndrome induced by exercise

Madison Keefe, B.S., Georgetown University

Distribution of dolorimetry in CFS, FM, GWI and control women

Rakib Rayhan, M.S., Department of Medicine, Georgetown University

Truncal ataxia is an unrecognized cause of orthostatic intolerance in patients with myalgic encephalomyelitis

Kunihisa Miwa, M.D.

Miwa Naika Clinic, Japan

2:45 pm – 3:45 pm

**Session 9: Advances in Brain Research and Neurological Studies**

Chair: Anthony L. Komaroff, M.D., Professor of Medicine, Harvard Medical School (retired)

Assessment of neurobiological dysfunction in chronic fatigue syndrome

Ben Natelson, M.D.

Pain & Fatigue Study Center, Mount Sinai Beth Israel

Disrupted functional connectivity in Gulf War illness (GWI)

James N. Baraniuk, M.D., Department of Medicine, Georgetown University

Functional neural consequences of post-exertion malaise in myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS)

Dane B. Cook, Ph.D., University of Wisconsin-Madison

3:45 pm – 4:00 pm

Break/Visit Exhibits

4:00 pm – 5:00 pm

Visit Poster Presentations/Exhibits

5:00 pm – 6:00 pm

IACFS/ME Membership Business Meeting

6:00 pm – 7:00 pm

IACFS/ME Social/Cocktails Hour

7:00 pm – 8:00 pm

IACFS/ME Banquet Dinner

8:00 pm – 9:00 pm

Awards Presentation

## General Session Agenda-Sunday, October 30th

8:00 am – 9:15 am

### **Session 10: Symptom Provocation Studies II**

Chair: Betsy Keller, Ph.D.

Department of Exercise and Sport Sciences, Ithaca College

Blood lactate increases more rapidly after a previous exercise challenge in patients with chronic fatigue syndrome/myalgic encephalomyelitis (CFS/ME) than in healthy subjects

Katarina Lien, M.D., Ph.D., University of Oslo

Subsets of ME/CFS patient responses to a 2-day CPET

Betsy Keller, Ph.D., Department of Exercise and Sport Sciences, Ithaca College

Neuromuscular Strain Increases Symptom Intensity in Chronic Fatigue Syndrome

Peter Rowe, M.D, Johns Hopkins University School of Medicine

Polar Metabolites Distinguish ME/CFS Patients and Controls

Maureen Hanson, Ph.D., Department of Molecular Biology and Genetics, Cornell University

9:15 am – 10:30 am

### **Session 11: Genetics Research**

Chair: Jose Montoya, M.D.

Professor of Medicine, Stanford University Medical Center

Single nucleotide polymorphisms in myalgic encephalomyelitis: possible genetic factors influencing pathophysiology

Benjamin Eike, B.A., Nova Southeastern University, College of Osteopathic Medicine

Using gene expression modules to identify gender specific treatments in myalgic encephalomyelitis/chronic fatigue syndrome

Mary G. Jeffrey, Institute for Neuro-Immune Medicine, Nova Southeastern University

Epigenetic modifications and glucocorticoid sensitivity in myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS)

Wilfred de Vega, Ph.D. Can.  
University of Toronto

ME/CFS miRNA analysis, mRNA in-situ hybridization and STAT1 localization upon stress trigger

Paula A. F. Waziry, Ph.D., Institute of Neuro Immune Medicine, Nova Southeastern University

Genomics of chronic fatigue syndrome reveals systemic inflammatory response

Jose G. Montoya, M.D., Stanford University School of Medicine

10:30 am – 10:45 am

Break

10:45 am – 12:15 pm

**Session 12: Panel Discussion**

“Nothing about us without us:” How community-engaged research can accelerate progress in the field of ME/CFS

Moderator: Lily Chu, M.D., MSHS, Co-Vice President, IACFS/ME; Collaborator, Stanford ME/CFS Initiative

Speaker: William Elwood, Ph.D., Expert, community-engaged research, US National Institutes of Health (NIH) Member, Trans-NIH Working Group for ME/CFS

Panelists

Jin-Mann Lin, Ph.D., Senior statistician/epidemiologist, US Centers for Disease Control and Prevention

Leonard Jason, Ph.D., Professor of community psychology, DePaul University (Chicago, Illinois)

Sonya Chowdhury, Chief Executive, Action for M.E.; Member, United Kingdom ME/CFS Research Collaborative

Jennifer Spotila, J.D., [www.occupyme.net](http://www.occupyme.net), former chairman of Solve ME/CFS Initiative

12:15 pm – 1:15 pm

Lunch/Visit Exhibits

Networking Lunch - Offering an opportunity for clinicians to network and talk about assessment and treatment issues.

1:15 pm – 2:30 pm

**Session 13: Medical Education Proposals for ME/CFS**

Panel Chair: Susan Levine, M.D., Visiting Fellow, Cornell University, Ithaca, NY

Fellowship program for CFS/ME research (I)

Mady Hornig, M.D., Columbia University Medical Center

A fellowship training program for ME/CFS (II)

Anthony Komaroff, M.D., Harvard Medical School (retired)

Fellowship opportunity in ME/CFS (III)

Daniel Peterson, M.D., Simmaron Research

2:30 pm – 3:00 pm

Summary of the Conference

Anthony L. Komaroff, M.D.

3:00pm

Conference Concludes