

## Mold, Mycotoxins and Human Health

Beverly A&B Ballroom

Exhibit Hall Open 7AM - 5PM (Beverly C)

7:50 AM Welcome and Announcements

**Gregg Govett, M.D., FAAEM, DABEM, AAEM CME Chair**

8:00 am **How Damp Building Bioparticulates Cause Multisystem Illness**

- Describe how inhalant bioparticulates in damp buildings create toxic and inflammatory effects in the recurrently exposed.
- Discuss when to suspect the presence of chronic inflammatory and toxicity effects in patients recurrently exposed to damp buildings.
- Explain how other sources of molecular patterns from microbes can trigger chronic innate immune system-driven inflammation.

**Keith Berndston, M.D.**

8:45 am **Systems Biology: A Key to the Effective Care of Complex Patients**

- Identify underlying pathological mechanisms in complex patients through an understanding of systems biology and cyclical amplification.
- Assess diagnostic priorities from a patient-centered and healthcare delivery system perspective.
- Categorize complex patients by level of complexity and list best practices for each level.

**Sonia Rapaport, M.D.**

9:30 am **Questions and Answers**

**Drs. Berndston and Rapaport**

10:00 am **Exhibit Hall Break - Beverly C**

10:45 am **“The Chicken or The Egg”? The Management of Fungal Complications in Different Types of Immunosuppression**

- Discuss how different immune weaknesses predispose to colonization and/or infection with specific fungi.
- Recognize clinical presentations and appropriate testing.

**Irene Grant, M.D.**

11:30 am **Questions and Answers**

**Dr. Grant**

11:45 am **Luncheon Sponsored by Microbiome Labs**

1:15 pm **Evaluating and Treating Mold Toxicity With The Use of Mycotoxin Assays to Direct Treatment Strategies**

- List presenting symptoms of mold toxicity and how to diagnose mold toxicity with more certainty using urine mycotoxin testing.
- Design a treatment program for mold toxicity using the information derived from mycotoxin testing.

**Neil Nathan, M.D.**

2:45 pm **Questions and Answers**

**Neil Nathan, M.D.**

3:15 pm **Exhibit Hall Break - Beverly C**

4:00 pm **Cumulative Organic Chemical Hyper Toxicity and the Special Care of Mixed Mold Mycotoxicosis and Bacterial Endotoxigenesis**

- List more than 15 readily accessible, targeted diagnostic laboratory tests useful in establishing valid, treatable diagnoses associated with damp indoor spaces, and also for following patient's progress during treatment of the illness resulting from exposures occurring in damp indoor environments.
- Recall 8 to 10 readily available, affordable, over the counter vitamins, nutrient supplements, and sequestering agents beneficial and essential in the treatment of Cumulative Organ HyperToxicity, and the special care of Mixed Mold Mycotoxicosis and Bacterial Endotoxigenesis.

**Michael Gray, M.D.**

4:45 pm **Mold-Relatec**

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**UNABLE TO ATTEND**

the morbidities they cause.

e airway disease and fibrotic lung disease.

**Adrienne Sp**

5:30 pm **Complete Evaluation of Mold Exposed Patient and Their Environment**

- Apply a comprehensive and efficient approach to the workup of mold exposed patients including clinical, laboratory and environmental evaluations.
- Explain various mechanisms of injury to mold exposed patients and how to evaluate to what degree each mechanisms is involved in a given patient.

6:15 pm **Panel Discussion**

**Drs. Berndston, Grant, Gray, Hope, Nathan, Rapaport, and Sprouse**

7:00 pm **Adjourn**

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**8:00 am Treatment of Neuroinflammation Stemming from Water Damage**

- Define neuroinflammation and explain how neuroinflammation underlies multiple neurodegenerative and psychiatric illness.
- Describe how chronic inflammation from exposure to water damaged buildings can cause neuroinflammation.

**Mary Ackerley, M.D., MD(H)**

**8:45 am Fungus Allergy and Hypersensitivity in Mold-Related Illness**

- Discuss the relevance of acquired non-IgE hypersensitivity to mold-related illness.
- Describe the means by which fungi stimulate the immune system to provoke mold-related illness.

**Alan B. McDaniel, M.D.**

**9:30 am Questions and Answers**

**Drs. Ackerley and McDaniel**

**10:00 am Network Break - Beverly C**

**10:30 am Scoring Exposure Hazard to Indoor Trichothecenes and Microfungi Based on Comparative Analysis of Clinical Debility and Disability Outcomes, Immunosuppression and Impaired Genetic MTHFR Detoxification Status**

- Identify high risk indoor exposures associated with poor outcomes
- Describe clinical risks to increase prevention education.

**Irene Grant, M.D.**

**11:15 am Questions and Answers**

**Dr. Grant**

**11:30 am Luncheon**

**1:00 pm Elephants in the Room: Mast Cell Activation and Porphyria as Common Components of Mold Toxicity**

- List the varied symptoms with which Mast Cell Activation Syndrome can present and to discuss treatment options.
- Describe the varied symptoms with which secondary Porphyria can present and to understand treatment options.

**Neil Nathan, M.D.**

**1:45 pm Review of Treatments for Mold Exposed Patients Including Complex and Treatment Resistant Patients**

- Analyze available medical literature supporting various aspects of the treatment of mold exposed patients as well as risks, benefits and side effects of specific treatments.
- Demonstrate a strategy for approaching complex and/or treatment resistant patients including assessing underlying factors contributing to unsatisfactory response to treatment.

**Janette Hope, M.D., FAAEM, DABEM**

**2:30 pm Questions and Answers**

**Drs. Hope and Nathan**

**3:00 pm Networking Break - Beverly C**

**3:15 pm Panel Discussion**

**Drs. Ackerley, Grant, Hope, McDaniel, and Nathan**

**5:00 pm Adjourn**

## PLANNING COMMITTEE

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Has indicated that he has no financial relationships with any commercial supporters.

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