

## Module VI: Drivers of Immune System and Mitochondrial Dysregulation Session Schedule

| Immunology 101- A Review for Clinicians                                                       | Joseph Bellanti, MD                     | 2 hr |
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| The Effects of Hormones on Immune Dysregulation                                               | Filomena Trindade, MD, MPH              | 2 hr |
| The Role of Mitochondrial Dysregulation in Chronic Disease:<br>The Cell Danger Response Model | Neil Nathan, MD                         | 2 hr |
| Chronic Inflammatory Response Syndrome                                                        | Andrew Heyman, MD, MHSA                 | 2 hr |
| Mast Cell Activation Syndrome: The Forgotten Side of the Immune System                        | Leonard Weinstock, MD, FACG             | 2 hr |
| Environmental Toxins and their Impact on the Immune System with Focus on Treatment            | Benoit Tano, MD                         | 2 hr |
| Immunotoxic Metals: Diagnosis and Treatment with Special Emphasis on Autoimmunity             | Lyn Patrick, ND                         | 2 hr |
| Mold Toxicity and Its Role in Immune Dysregulation                                            | Andrew Heyman, MD, MHSA                 | 2 hr |
| Introduction to Lyme Disease and Other Chronic Illness                                        | Andrew Pugliese, MD                     | 2 hr |
| Brains on Fire: Lessons learned from PANS/PANDAS                                              | Elisa Song, MD                          | 2 hr |
| Redefining Chronic Pain: Etiologies, Immunology and Mitochondrial Dysfunction                 | Gary Kaplan, DO, DABFM, DABPM,<br>FAAMA | 2 hr |
| The Role of Central Sensitization and Neurogenic Inflammation in Myofascial Pain Syndrome     | Jay Shah, MD                            | 2 hr |