

AAMP Spring 2023
Mitochondrial Healing and Post-Infectious Illness

FRIDAY

7:00 – 8:00

Breakfast

MORNING THEME: Mitochondrial Function, Assessment, and Healing

8:00 – 8:15 **Jeremy Phillips** Welcome & Introductory Remarks

8:15 – 9:05 **Dr. Anderson** Cellular Health and the Post-Infectious / Chronically Ill Person

This session will discuss the importance of the targets of cellular function in regard to where they can breakdown in a chronically ill or post-infectious person. What roles can be played in both dysfunction and healing by the cell membrane, transporters, nucleus and mitochondria in creating health or illness.

9:05 – 9:55 **Dr. Antonawich** The Role of Mitochondria in Metabolism & the Players / Cofactors at Each Step

The mitochondria is now recognized to impact multiple essential functions beyond energy production; across a number of medical disciplines including genetics, oncology, neurology, immunology and cardiovascular disease. In this talk we will revisit the aerobic metabolic cascade, and its metabolic cofactors, and the role it plays in a multiple physiological systems.

9:55 – 10:10 **Dr.'s Anderson & Antonawich** Combined Q&A

10:10 – 10:55

Break

10:40 – 11:30 **Dr. Antonawich** Mitochondrial Dysfunction in Cancer/ Degenerative Disease/ Ischemic Insults (sources of oxidative free radicals, damage they cause, general strategies to address.)

Metabolic dysfunction and oxidative stress lead to abnormal cell signaling, premature cell senescence, initiation of inflammation and apoptosis. Recent studies have identified mitochondrial DNA mutations associated with different pathologies. In this presentation we will explore some of processes and explore some of the metabolic strategies to address them.

11:30 – 12:00 **Dr.'s. Anderson & Antonawich** Combined Q&A

12:00 – 12:30 **Dr. Hamilton** Healing the Mitochondria (Non-CME)

12:30 – 1:45

Lunch

AFTERNOON THEME: Genomic and Toxic Influences on Cell Health and Healing

1:45 – 3:15 **Dr. Anderson** Genomic Influences on Mitochondrial, DNA, and Cell Function

What specific genomic influences can we test in our quest to globally assess mitochondrial and cell function. Influences of SNP's involved in cell membrane, mitochondrial, nuclear and other functions will be discussed.

3:15 – 3:45 **Bob Miller** How Genetic Variability Influences Mitochondrial Function & Post Infectious Illness (Non-CME)

3:45 – 4:30

Break

4:30 – 5:15 **Dr. Anderson** Toxicant Influences on Mitochondrial, DNA, and Cell Function

This session will focus on toxicant targets on and in the cell, and the dysfunctions they can trigger. A discussion of chemical, metal and bio-toxins will give perspective to the direct influences of toxicants as well as indirect epigenetic influences.

5:15 – 6:00 **Clinical Panel – Healing from the Inside Out: Understanding the Influences on the Cell**

6:00 – 7:30 **Evening Reception and Book Signing**

SATURDAY

7:30 – 8:30

Breakfast

MORNING THEME: DNA Repair and Post-Infectious / Chronic Healing

8:30 – 9:15 **Dr. Anderson** The Role of Mitochondrial – DNA Crosstalk in Healthy and Diseased States

This session will take the prior days information and bring that together with the focus of today on treating the dysfunctions that slow healing and cause chronic illness patterns. Specifically the role of the mitochondrial – DNA interplay and internal and external influences on their function.

9:15 – 10:00 **Dr. Vosloo** Epigenetic Cell Changes in Chronic Disease: DNA-Adducts, mitochondrial changes, and lipid peroxidation studies.

This presentation will introduce epigenetics and their clinical relevance, contrast with SNP's, genetics, metabolomics, proteomics. A discussion of DNA Adducts with testing examples. This will be related to mitochondrial changes in chronic illness, the influence of dysfunctions and toxicant involvement.

10:00 – 10:30 **Dr. Wojcik** **Enhancing Nature –(Laser) Light Therapy and Liposomal Nutraceutical Formulations for Mitochondrial Support and Treatment of Post-Infectious Illness (Non-CME)**

10:30 – 11:15

Break

11:15 – 12:00 **Dr.Vosloo** **Reversing Epigenetic Decompensation of the Plasma Membrane: Cell Structural and Functional Restoration.**

A discussion of chemical adducts in the context of linear transmission of genetic changes, sperm DNA adducts and breaks; Cell / cytoplasmic and mitochondrial membrane structure in health and illness. Case studies and clinical recommendations to address the epigenetic insults to the cell, and resolve these issues will be given.

12:00 – 12:15 **Dr.'s Vosloo & Anderson Combined Q&A**

12:15 – 1:30

Lunch

AFTERNOON THEME: Modalities in Cellular and Post-Infectious Healing

1:30 – 2:45 **Dr. Kleronomos** **Post COVID Syndrome as a Multisystem Dysfunction**

This lecture will focus on the comprehensive assessment of symptomology suspected as sequelae to covid infection. Given the broad impact of covid infection, identification of the primary system involved is critical for targeted intervention. Post covid infection can be classified into various phenotypes with unique clinical features and overlapping physiologic manifestations requiring specialized interventions. The discussion of assessment will be illustrated by case examples.

2:45 – 3:15 **Dr. Strand** **The Microbiome-Mitochondrial Nexus (non-CME)**

3:15 – 4:00

Break

4:00 – 5:00 **Dr. Kleronomos** **Novel Therapies for Post COVID / Post Infectious Illness**

This lecture will focus on the multidisciplinary strategies to address post-covid syndrome utilizing a variety of therapies both conventional and atypical. We will cover the broad support necessary as well as focus heavily on vagal modulation and stacked and cycled peptide therapies inclusive of IV combinations. An underlying theme will be mitochondrial support and neural inflammation.

5:00 – 5:15 **Dr. Anderson** **Tying Together Cell Science and Clinical Interventions**

This session will look at specific modalities Dr. Anderson has seen individually and in synergy be helpful in cell and patient healing. Modalities such as heat, light, nutrient, and others will be included.

5:15 – 6:00 **Clinical Panel – Removing Healing Interference and Integrating Therapies**

6:00 – 7:30 **Evening Demonstration, Hors d'oeuvres & Interactive Workshops**

SUNDAY

7:30 – 8:30 **Breakfast**

MORNING THEME: Integrative Therapies in Post-Infectious Illness

8:30 – 9:45 **Dr. Anderson** **Where to go when Nothing is Working**

To set the stage for the advanced therapeutics theme of today Dr. Anderson will use this session to discuss the places these complex cases “go wrong” or simply make no sense. A point by point flow for troubleshooting will be described.

9:45 – 10:45 **Dr. Adrian** **Case Based Clinical Strategies in Mitochondrial and Post-infectious Healing Part-1**

Dr. Adrian works in a well-equipped, integrative clinic. Through these cases she will discuss interventions and sequencing she has used in assisting people heal with mitochondrial dysfunction, Long-COVID, and other post-infectious illnesses.

10:45 – 11:30 **Break**

11:30 – 12:30 **Dr. Adrian** **Case Based Clinical Strategies in Mitochondrial and Post-infectious Healing Part-2**

In this second part of Dr. Adrian’s discussion, she will use case examples to describe proper uses of therapeutics, lessons learned, and best practices.

12:30 – 1:30 **Lunch**

AFTERNOON THEME: Post-Infectious Illness – Healing from the Inside Out

1:30 – 2:45 **Dr. Anderson** **Resistant Cases: What to Assess and Where to Go!**

In this session Dr. Anderson will give clinical tips regarding the assessment and treatment of the more resistant clinical presentations in Long-COVID and Post infectious presentations.

2:45 – 3:00 **Brief Comfort Break**

3:00 – 3:45 **Dr. Anderson** **Tying it Together – Top Points to Take Home from the Conference**

In this session Dr. Anderson will recall the “high points” of the conference and relate them to strategies you can use next week to maximally help your patients.

3:45 – 4:30 **Clinical Panel – Case Management Perles**

4:30 **Closing Remarks & Adjourn**