New Developments in Understanding Chronic Illnesses:

The Role of Immune Dysfunction and Infections

November 8 to 10, 2023 | Marriott Marquis | Washington, D.C.

Conference Chair Gary Kaplan, DO, DABFM, DABPM Kaplan Center for Integrative Medicine Georgetown University School of Medicine Washington, D.C. Conference Co-Chair Craig Shimasaki, PhD, MBA Moleculera, Labs, Inc. University of Oklahoma Oklahoma City, OK





Continuing Education Credit Information

Course Description

There are over 20 million Americans suffering from a group of chronic disabling disorders who are diagnosed without a clear elucidation of pathophysiologic mechanisms. This includes Fibromyalgia, Myalgic Encephalomyelitis/ Chronic Fatigue Syndrome (ME/CFS), Neuropsychiatric illnesses, Posttreatment Lyme Syndrome, Pediatric Acute on Neuropsychiatric Syndrome (PANDAS/PANS).

Adding to this massive disease burden the CDC now estimates that of the 40% of Americans who were infected with COVID-19 1 in 5 continue to suffer with what is now referred to as Post-acute sequalae of COVID (PASC). Research has demonstrated that common to all these conditions is dysregulation of the immune system resulting from an infectious insult. Dramatic advances have occurred in our understanding of all these conditions as a result of COVID. It is an incredibly exciting period in medicine where these diseases are beginning to coalesce around an understanding of shared pathophysiology. We are entering a period of true hope for those millions who are suffering where we will finally be able to provide comprehensive solutions for their illness.

This conference will bring together some of the leading researchers and clinicians from around the world to discuss the advances in our understanding of these conditions and breakthroughs in diagnostic and treatment options.

Target Audience

This conference is intended for internists, family physicians, allergists, neurologists, pediatricians, psychiatrists, psychologists, rheumatologists, physicians, residents, fellows, physician assistants, nurse practitioners, nurses, dietitians, nutritionists and other allied health professionals interested in the treatment of chronic disabling disorders.

Learning Objectives

- Summarize the role of the innate and adaptive immune system in chronic disease.
- Explain biological mechanisms of how infections incite immune dysfunction resulting in chronic disease.
- Describe new diagnostic testing and biomarkers for defining and identifying immune dysfunction in chronic illness.
- Identify clinical and case study examples using new and repositioned treatment modalities that have been shown to be effective in treating immune-mediated chronic disorders secondary to infection.
- Summarize long haul covid and it's pathophysiology and new diagnostic and treatment modalities.
- Describe a new understanding of fibromyalgia as an immunologic disorder and the role of the immune system in Myalgic Encephalomyelitis/ Chronic Fatigue Syndrome (ME/CFS).
- Recognize the role of infections and immune dysfunction as the cause of other neurologic, psychiatric, and behavioral disorders.
- Explain the role of gut microbiome in health and immune dysfunction.
- Identify the roles and responsibilities of members of the healthcare team involved in the collaborative care of patients with atypical immunological diseases.
- Integrate a team-based approach in the care of patients with atypical immunological diseases.

Continuing Education Credit Information

Accreditation Statement



In support of improving patient care, this activity has been planned and implemented by MedStar Health and the Foundation for Total Recovery. MedStar Health is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy

Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Credit Designation Statement



This activity was planned by and for the healthcare team, and learners will receive 20.25 Interprofessional Continuing Education (IPCE) credits for learning and change.

Physicians: MedStar Health designates this live activity for a maximum of 20.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses: This activity is approved for 20.25 ANCC contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.



American Board of Internal Medicine MOC Credit:

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 20.25 MOC points in the American

Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.



American Board of Pediatrics MOC Credit: Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn up to 20.25 MOC points in the American Board of Pediatrics' (ABP) Maintenance of Certification (MOC) program. It is the CME activity

provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABP MOC credit.

MOC Participation Threshold: Learner participates by writing a reflective statement and makes a commitment to change or maintain an element of practice.

Course Director —

Course Co-Director



Gary Kaplan, D.O. DABFM, DABPM, FAAMA Medical Director Kaplan Center for Integrative Medicine Clinical Associate Professor, Family Medicine Georgetown University School of Medicine Washington, D.C.



Craig D. Shimasaki, PhD, MBA CEO, Moleculera Labs Adjunct Professor University of Oklahoma Oklahoma City, OK

Faculty

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Brian A. Fallon, MD

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Faculty

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Eric J. Wang, MD

Program Director, Multidisciplinary Pain Medicine Fellowship Director, Pain Treatment Center, Johns Hopkins Bayview Medical Center Assistant Professor, Anesthesiology and Critical Care Medicine Johns Hopkins University School of Medicine Baltimore, Maryland

Agenda

3:15 p.m.	Afternoon Break and Visit the Exhibits and Patient Vignettes	
3:45 p.m.	Long Covid and Long Lyme: Mental Health Implications Brian A. Fallon, MD	
4:30 p.m.	The Neuroimmunology of Social Stress Induced Sensitization Jonathan Godbout, PhD	
5:15 p.m.	PANS: Update on Our Understanding of Inflammation Characteristics, Clinical Course, and Comorbidities Jennifer Frankovich, MD	
6:00 p.m.	Day One Closing Remarks Gary Kaplan, DO, DABFM, DABPM, FAAMA	
6:10 p.m.	Adjourn	
6:15 p.m.	Welcome Reception Please join us Wednesday, November 8 at 6:15 p.m. for the Welcome Reception with Exhibitors.	
	Enjoy festive hor d'ouevres and drinks while interacting with exhibitors. Maximize your opportunity for meeting valuable new contacts and networking with colleagues	
	3:45 p.m. 4:30 p.m. 5:15 p.m. 6:00 p.m.	

Agenda

DAY TWO | Thursday, November 9

7:00 a.m.	Registration and Breakfast and Visit the Exhibits	1:30 p.m.	Diagnosis and Treatment of Chronic Inflammatory Conditions including Long COVID and ME-CFS
7:50 a.m.	Day Two Welcome Remarks Craig D. Shimasaki, PhD, MBA		Bruce K. Patterson, MD
8:00 a.m.	Chronic Pain and Infection: Mechanisms, Causes, Conditions, Treatments, and Controversies Eric J. Wang, MD	2:15 p.m.	Modulation of the Acquired Immune System \ Autoimmune Therapy Stem Cells Topic Moviglia A. Gustavo, MD, PhD
8:45 a.m.	The Autoimmune Aeitiology of Unexplained Chronic Pain Andreas Goebel, PhD	3:00 p.m. 3:30 p.m.	Afternoon Break and Visit the Exhibits and Patient Vignettes Molecular Mimicry: The Infection Connection to the Immune
9:30 a.m.	The Brain and Gut Connection: More Impactful Than You Think Kyle Landry, BS, MS, PhD		System and Chronic Disorders Craig D. Shimasaki, PhD, MBA
10:15 a.m.	Morning Break and Visit the Exhibits and Patient Vignettes	4:15 p.m.	The Axis of Infectious Immune as a Player in Neuro Immune Disease
10:45 a.m.	Current and Practical Techniques to Support the Gut Microbiome Kyle Landry, BS, MS, PhD	5:00 p.m.	Autoimmunity and Epilepsy Claude Steriade, MD, CM
11:30 a.m.	Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS) Ronald W. Davis, PhD	5:50 p.m.	Day Two Closing Remarks Craig D. Shimasaki, PhD, MBA
12:15 p.m.	Lunch and Visit the Exhibits	5:50 p.m.	Adjourn

Agenda

11:00 a.m.

11:45 a.m.

DAY THREE | Friday, November 10

7:00 a.m.	Registration and Breakfast and Visit the Exhibits	12:15 p.m.	Denied Due to Lack of Medical Necessity: Preventing & Responding to Insurance Denials for PANS/PANDAS
7:50 a.m.	Day Three Welcome Remarks Gary Kaplan, DO, DABFM, DABPM, FAAMA		Treatments Elizabeth P. Irias, LMFT
8:00 a.m.	The Clinical Significance of Metabolic Immune Interactions: Implication for Treatment Richard E. Frye, PhD, MD	1:00 p.m.	Panel: Treatment Moderator: Gary Kaplan, DO, DABFM, DABPM, FAAMA Panelists: Isaac Melamed, MD; M. Elizabeth Latimer, MD
8:45 a.m.	Rituximab Treatment of PANS/PANDAS M. Elizabeth Latimer, MD	1:45 p.m.	Panel: Post Treatment Lyme-PANS/PANDAS Moderator: Craig D. Shimasaki, PhD, MBA Panelists: Brian A. Fallon, MD; Jennifer Frankovich, MD; Cherie Marvel, PhD
9:30 a.m.	Long Lyme: Opportunities for Prevention and Treatment Kim Lewis, PhD, BSc	2:30 p.m.	Closing Remarks Gary Kaplan, DO, DABFM, DABPM, FAAMA; Craig D. Shimasaki, PhD, MBA
10:15 a.m.	Brain Changes and Clinical Outcome Correlates in Post- Treatment Lyme Disease Cherie Marvel, PhD	2:35 p.m.	Adjourn

DysfunctionSandra Kaufman, MD

Nutritional Supplements for Immune and Mitochondrial

Afternoon Break and Visit the Exhibits and Patient Vignettes

Registration Information

REGISTRATION TYPE	LIVE Early Bird Through August 4	VIRTUAL Early Bird Through August 4	LIVE Advance Rate August 5 – November 2	VIRTUAL Advance Rate August 5 – November 2	LIVE Conference November 8 – 10	VIRTUAL Conference November 8 – 10
Physician	\$695	\$695	\$795	\$795	\$895	\$895
Resident or Fellow	\$595	\$595	\$695	\$695	\$795	\$795
Physician Assistant	\$595	\$595	\$695	\$695	\$795	\$795
Nurse Practitioner	\$595	\$595	\$695	\$695	\$795	\$795
Nurse	\$595	\$595	\$695	\$695	\$795	\$795
Allied Health Professional	\$595	\$595	\$695	\$695	\$795	\$795
Medical Student	\$350	\$350	\$450	\$450	\$550	\$550
Industry Professional	\$750	\$750	\$850	\$850	\$950	\$950
Patient	-	\$195	-	\$295	-	\$395

Online Registration Preferred

Please visit **CE.MedStarHealth.org/NDUCI2023** for updated program and registration information. We are unable to accept registrations or cancellations by telephone.

Cancellation Policy

Cancellations made in writing by September 25 will be subject to a 50% penalty. No refunds will be given after September 25. Cancellations will not be accepted by telephone. In the unlikely event that the course is canceled, MedStar Health will refund the registration fee, but is not responsible for any travel costs.

Venue Information

Marriott Marquis

901 Massachusetts Ave NW Washington, D.C. (202) 824-9200

Room Block: Stay onsite to reduce your commute time! Reserve your room at the Marriott Marguis to receive a discounted room rate.

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Visit: https://book.passkey.com/go/ChronicIllnessesConference

Room Rate: \$329 plus tax Reserve by October 27, 2023



Registration Information

Information will be emailed closer to the conference date with login instructions. This will be sent to the email address you registered with.

If you need to change your registration from virtual to live, or live to virtual, changes must be submitted by email by September 25. No changes will be accepted after that date.

Patient registration is ONLY for the virtual option. If you register for the live conference, you will be contacted with updates to your registration.

All registrations will be confirmed by email only. If you have questions or do not receive a confirmation within 1-2 business days, please contact us at MedStarCPE@MedStar.net or (833) 731-1273.

Special Assistance

MedStar Health wishes to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently from other individuals because of the absence of auxiliary aids or services identified in the Americans with Disabilities Act. Please contact (833) 731-1273 to notify us of your needs.

For grant information please contact Ada Guo at ada.guo@medstar.net For exhibit support information please contact Elizabeth Romano at elizabeth.s.romano@medstar.net