Rheumatology Grand Rounds

*Presented by*

Section of Rheumatology, Allergy & Immunology

**“Macrophage Migration Inhibitory Factor (MIF): Updates in Oncology and Immune-Related Adverse Events”**

Joshua Bilsborrow, MD, MHS

Instructor of Medicine, Yale Rheumatology, Allergy & Immunology

**Date: Wednesday, April 28, 2021 ~ Time: 8:00-9:00 am**

ZOOM: <https://zoom.us/j/2038093783?pwd=bkZJaHRkTUxwZXJCQnNuTHFWa0Qrdz09&from=addon>

Meeting ID: 203 809 3783

CME: Text the code 20703 to 203-442-9435 from 7:45am-9:15am

**Course Director/Host: Fotios Koumpouras, MD**

***There is no corporate support for this activity***

This course will fulfill the licensure requirement set forth by the State of Connecticut

**ACCREDITATION**

The Yale School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

**TARGET AUDIENCE**

Department faculty, attending physicians, subspecialty fellows, community physicians, resident house staff, physician assistants and medical students.

**NEEDS ASSESSMENT**

Macrophage migration inhibitory factor (MIF) is an important protein encoded by the MIF gene which is important in regulation of the innate immune system. Today we will be discussing its structure and function and how it relates to autoimmunity and cancer.

**LEARNING OBJECTIVES**

At the conclusion of this activity, participants will be able to:

1. To review the structure and functions of MIF, and its roles in inflammation, cell proliferation, and cell migration.

2. To review the genetic polymorphisms in the *MIF* gene, and associated consequences in human autoimmunity, cancer, and immune related adverse events (irAEs).

3. To explore the role of MIF in mediating resistance to immunotherapy for cancer treatment, and potential applications of MIF inhibition to treat aggressive and/or refractory melanoma.

**DESIGNATION STATEMENT**

The Yale School of Medicine designates this live activity for 1 AMA PRA Category 1 Credit(s)™. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

**FACULTY DISCLOSURES**

*Speaker:* Joshua Bilsborrow, MD – NONE

*Course Director:* Fotios Koumpouras, MD- Celgene (honorarium), Aurora (research grant), EMD, ULB, GSK (research grant)

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