Grand Rounds

Yale School of Medicine’s

Department of Laboratory Medicine

“Protective and pathologic effects of interferon lambda at anatomic barriers”

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Noon

Online

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Host: Craig Wilen

Course Directors: Joe El-Khoury & Ellen Foxman

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##  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

Attending Physicians, Fellows, Medical Students, Nurses, Physician Assistants, and Medical Researchers.

## NEEDS ASSESSMENT

 1.Learn about current clinical and basic research findings

 relevant to clinical pathology

 2.Discuss current questions that are outstanding in the field

 3.Hear about the latest work being performed at other

 institutions as well as Yale School of Medicine.

##  LEARNING OBJECTIVES

##  1. Interferon lambda (IFN-λ, type III IFN) is an antiviral

##  cytokine that provides frontline antiviral protection at

##  anatomic barriers

##  2. In a mouse model of congenital Zika virus infection, IFN-λ

##  restricts transplacental infection but also causes pregnancy

##  pathology: both effects occur through signaling in maternal

##  (rather than fetal or placental) tissues

##  3. In a mouse model of herpes simplex virus infection, IFN-λ

##  signaling in keratinocytes limits virus-induced skin lesions

 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

## Joe El-Khoury-None

 Ellen Foxman-None

 Helen Lazear-None

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