



**Department of Internal Medical Grand Rounds**

**Kolene McDade, MD**

**Chief Resident, Traditional Residency Program**

**“Generation Genealogy; Full Exome Sequencing and  
Uncovering the Mechanisms of Hemophagocytic  
Lymphohistiocytosis (HLH)”**

**Thursday, April 7, 2016 - 8:30am – Fitkin Amphitheatre**

**NEEDS ASSESSMENT:**

Hemophagocytic lymphohistiocytosis (HLH) is a potentially fatal syndrome due to uncontrolled inflammation. Clinicians need to understand the pathophysiology of primary and secondary HLH, and the role of whole exome sequencing in elucidating the mechanisms underlying rare but life-threatening disorders.

**LEARNING OBJECTIVES:**

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

1. Review the pathophysiology of primary and secondary Hemophagocytic lymphohistiocytosis (HLH).
2. Review the frontier of personalize medicine through whole exome sequencing with focus on resources at Yale University.
3. Discuss the mechanism of NOD-Like Receptor C4 and its participation in regulation of the inflammasome.

**DESIGNATION STATEMENT:**

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

**FACULTY DISCLOSURES:**

It is the policy of Yale School of Medicine, Continuing Medical Education, to ensure balance, independence, objectivity and scientific rigor in all its educational programs. All faculty participating as speakers in these programs are required to disclose any relevant financial relationship(s) they (or spouse or partner) have with a commercial interest that benefits the individual in any financial amount that has occurred within the past 12 months; and the opportunity to affect the content of CME about the products or services of the commercial interests. The Center for Continuing Medical Education will ensure that any conflicts of interest are resolved before the educational activity occurs.

**ACCREDITATION:**

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

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