

PATHOLOGY GRAND ROUNDS



Naftali Kaminski, M.D.

Professor of Medicine
Section Chief, Section of Pulmonary
Critical Care and Sleep Medicine
Yale School of Medicine

“From Lungs to Single Cells: Using RNA to Demystify Pulmonary Fibrosis”

Thursday, January 9th, 2020

12:30 p.m.

Fitkin Amphitheater – LMP 1094

Host: Robert Homer, MD, PhD



There is no corporate or grant 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

Attending physicians, researchers, house staff, fellows, residents, medical students, nurses.

NEEDS ASSESSMENT

High throughput profiling technologies and especially most recently single cell transcriptomics had a significant impact on our understanding of idiopathic pulmonary fibrosis, a progressive often lethal interstitial lung disease. In this talk I will describe this impact and insights on disease mechanisms, biomarkers and ther-

apeutics from transcriptomic analysis of human lung. I will especially discuss our single cell profiling efforts including the Normal Lung Aging Atlas and the IPF cell atlas.

LEARNING OBJECTIVES

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

- Be familiar with recent advances in the diagnosis and management of pulmonary fibrosis;
- Understand insights from transcriptomic analysis of the lung and their impact on biomarkers and new therapeutics;
- Be familiar with novel single cell profiling technologies and the insights obtained in the IPF cell atlas (ipfcellatlas.com)

DESIGNATION STATEMENT

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

FACULTY DISCLOSURES

Speaker Name: Naftali Kaminski: Personal fees from Biogen Idec, Boehringer Ingelheim, Third Rock, Pylant, Samumed, NuMedii, Indaloo, Theravance, Life Max, Three Lake Partners, Optikira; non-financial support from Miragen; patents on New Therapies in Pulmonary Fibrosis, Cell Targeting and Peripheral Blood Gene Expression. Serves as Deputy Editor of Thorax, BMJ.

Course Directors:

Manju Prasad, MD - NONE

Kurt Schalper, MD, PhD - NONE

Pallavi Gopal, MD, PhD- NONE

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