

# PATHOLOGY GRAND ROUNDS



## Andrew J. Ewald, Ph.D.

Professor, Departments of Cell Biology, Oncology, and  
Biomedical Engineering, Johns Hopkins University  
Co-Director, Cancer Invasion and Metastasis Program  
Sidney Kimmel Comprehensive Cancer Center

## “Molecular and Cellular Regulation of Breast Cancer Invasion and Metastasis”

Thursday, January 23rd, 2020

12:30 p.m.

Fitkin Amphitheater – LMP 1094

Host: Don Nguyen, Ph.D.



*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

Metastasis is the major driver of deaths from epithelial cancers. Both molecular and cellular research in this area has expanded rapidly over the past several years and it is challenging for pathologists to integrate these new laboratory results into their understanding of

breast cancer biology. Current results will be discussed in terms of the role of the myoepithelium in breast cancer invasion and the molecular and genetic programs regulating metastatic spread in invasive ductal carcinoma of the breast.

### LEARNING OBJECTIVES

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

- Understand the dynamic barrier function of the myoepithelium.
- Describe how E-cadherin regulates local invasion and distant metastasis in invasive ductal breast cancer.
- Understand how live culture can give functional information about the molecular programs regulating

breast cancer invasion.

### DESIGNATION STATEMENT

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

### FACULTY DISCLOSURES

Speaker Name: Andrew J. Ewald, PhD - Medimmune; Immunocore.

Course Directors: Manju Prasad, MD - NONE

Kurt Schalper, MD, PhD - NONE

Pallavi Gopal, MD, PhD

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