



2013 USCAP Companion Meeting

Sunday, March 3, 2013 – 8:30 a.m. - 12:00 noon

Let's Get Small: Ultrastructural Evaluation
of Cellular and Subcellular Specimens

 [Handouts](#) (pdf, 2mb)

Times	Title	Presenter
8:30-9:15 a.m.	The Role of Electron Microscopy in the Analysis of Cytologic Specimens	Elba Turbat-Herrera, MD LSU Health, Shreveport Shreveport, Louisiana, USA 
9:15-10:00 a.m.	It's A Small, Small World: Electron Microscopy of Minute and Unusual Specimens	Sara E. Miller, PhD Duke University Medical Center Durham, North Carolina, USA 
10:00-10:30 a.m.	Coffee Break	Juan Valdez, et al ¡Disfrute de un buen café! 
10:30-11:00 a.m.	Diagnostic Platelet Electron Microscopy: Everyone Into the Storage Pool	Evelyn L. Lockhart, MD Duke University Medical Center Durham, North Carolina, USA 
11:00-11:30 a.m.	Ultrastructural Evaluation of Peripheral Blood and Fibroblast Cultures in Diagnosis of Metabolic Storage Disorders	M. John Hicks, MD, PhD, DDS Texas Children's Hospital and Baylor College of Medicine Houston, Texas, USA 

**11:30-12:00
noon**

Cytopathology of Asbestos-Associated Diseases

**Frank Schneider,
MD**

University of Pittsburgh
School of Medicine

Pittsburgh, Pennsylvania, USA



Moderators

David N. Howell, MD, PhD

Duke University Medical Center and
Durham VA Medical Center
Durham, North Carolina, USA



Victor L. Roggli, MD

Duke University Medical Center
Durham, North Carolina, USA



ACCME Statement

- a. The topic for this Companion Meeting was determined by the Executive Committee of the Society for Ultrastructural Pathology.
- b. The topic of diagnostic electron microscopy of small and unusual specimens represents an area of keen current interest and importance in the ultrastructural pathology community, particularly given the steady increase in the use of cytopathology as a diagnostic tool.
- c. This Companion Meeting will provide both theoretical and practical information on the application of ultrastructural examination to a wide variety of diagnostic specimens (see below). It will be of utility both to practicing ultrastructural pathologists and to other pathologists wishing to learn more about the capabilities of diagnostic electron microscopy.
- d. Participants will receive a comprehensive review of the utility of electron microscopy in the analysis of cytopathology specimens (aspiration and exfoliative), cell lines cultured from patients, body cavity fluids, formed elements of the blood, and other unusual specimens (e.g., tissue retrieved from histologic sections). The special topic of X-ray microprobe analysis of pulmonary cytologic specimens from patients with asbestos-related diseases will also be covered. For pathologists currently practicing diagnostic ultrastructural pathology, the session will provide information that can be applied directly to their diagnostic work. For others, it will reveal situations in which referral of specimens to a diagnostic EM laboratory would be of value.