



- Speaker: Stavros Garantziotis, M.D.
Acting Director, Clinical Research Program National Institute of Environmental Health Services, NIH, HHS
- Date: December 22, 2015
- Title: “New insights into cell-matrix interactions in lung injury – role of TLR5 and primary cilia”
- Synopsis: Cell-matrix interactions play a crucial role in the response to lung injury, but many gaps remain in our knowledge of how the cells sense their microenvironment, and what signaling pathways are activated by the matrix. This talk will present two vignettes with unpublished data: The first will demonstrate that the innate immune receptor TLR5 is integrated in the TLR4 signaling pathway and plays a central role in the response to lung injury; the second will introduce primary cilia on mesenchymal cells as important mediators of airway remodeling.