

# The Mansueto Institute Lunch Colloquium Series



## Is Metropolitan Population Scale a Driver of Inventive Novelty?

**Dr. Deborah Strumsky**

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One of the strongest the metropolitan scaling relationships is the that of population and invention; not only is the scaling relationship highly super-linear, it is increasing overtime. However, not all inventions are created equal, some inventions represent minor incremental improvements to mature technologies, whereas radical inventions have the potential to open entirely new economic and technological pathways. Not all types of technological novelty scale the same way. Highly original inventions are quite rare and more spatially concentrated than incremental inventions; this suggests a relationship between metropolitan scale and technological novelty. This talk will present current results on the relationship between metropolitan scale and technological novelty and discuss a systems of cities model for US invention.

**Wednesday, November 6**

Searle Chemical Laboratory

Suite 240B

12:30- 1:30pm

Lunch will be provided



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Mansueto Institute  
for Urban Innovation