

# Departmental Colloquium

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Friday, July 19, 2019  
1:00p.m., HH-3017

## *Propagation Dynamics of Nonlocal Dispersal Equations*

### **Abstract:**

In this talk, I will report the spatial propagation for nonlocal dispersal equations. It consists of four parts. I first will present some relations between local (random) and nonlocal dispersal problems and then I will report our recent results on traveling waves and new types of entire solutions of nonlocal dispersal equations. Part III is concerned with acceleration propagation for nonlocal dispersal systems. In Part IV, I list some problems on nonlocal dispersal equations.