Friday, October 11	Ki-Net Research Interaction (last) Weekend: Kinetic dynamics, Transport, Networks and applications
9:00 – 9:30	**Jianfeng Lu**, (Duke University) Temporal-difference learning for nonlinear value function approximation in the lazy training regime
9:40 – 10:10	**Gautam Iyer**, (Carnegie Mellon University) A stochastic oscillator driven by fractional Brownian motion
10:20 – 10:40	*BREAK*
10:40 – 11:10	**Jian-Guo Liu**, (Duke University) Random batch methods (RBM) for large interacting particle systems
11:20 – 11:50	**Eitan Tadmor**, (University of Maryland) Anticipation dynamics with short-range interactions
12:00 – 12:20	*BREAK*
12:20 – 12:50	**Dejan Slepcev**, (Carnegie Mellon University) Nonlocal-interaction equations on graphs and their continuum limits
1:00 – 2:30	**LUNCH**
2:30 – 3:00	**James Nolen**, (Duke University) Propagation of chaos in stochastic reaction-diffusion models of mass-action type
3:10 – 3:40	**Pierre-Emmanuel Jabin**, (University of Maryland) On mean field limit and quantitative estimates: Application to the Patlak-Keller-Segel model
3:50 – 4:10	*BREAK*
4:10 – 4:40	**Alina Chertock**, (North Carolina State University) High-resolution positivity and asymptotic preserving numerical methods for chemotaxis and related models

Saturday, October 12	Ki-Net Research Interaction (last) Weekend: Kinetic dynamics, Transport, Networks and applications
9:00 – 9:30	**Jonathan Mattingly**, (Duke University) TBA
9:40 – 10:10	**Robert Pego**, (Carnegie Mellon University) Remarks on relaxed least action for incompressible mixtures
10:20 – 10:40	***BREAK***
10:40 – 11:10	**Jacob Bedrossian**, (University of Maryland) Passive scalar turbulence in the Batchelor regime
11:20 – 11:50	**Alex Kiselev**, (Duke University) TBA
12:00	**CLOSING**