

# Probability Seminar

Organizer: Jomy Alappattu & Elchanan Mossel & Sebastien Roch

Wednesday, 3:10–4:00pm, 332 Evans

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Nov. 15    **Noam Berger**, UCLA

*Intersections of paths and high-dimensional random walk in random environment*

I will present an easy calculation governing the probability of two random walk in random environment (RWRE) paths to intersect. Then I will present two applications of this estimate: the first is a law of large numbers for distributionally symmetric RWRE in five or more dimensions, and the second is an almost sure CLT for ballistic walks, again in five or more dimensions. The talk is partly based on joint work with Ofer Zeitouni.