Dear colleagues,

Alan Hastings, Karen Abbott and I are seeking a postdoc to work on problems at the interface between statistical physics and theoretical spatial ecology. This position will be supported by our recently awarded NSF grant, RoL:FELS:RAISE: Integrating statistical physics and nonlinear dynamics to understand emergent synchrony and phase transitions in biological systems. The ideal individual will have expertise in statistical physics including computational methods and the theory of phase transitions, as well as some experience with models of biological systems, particularly spatial ecological systems. The position will be based at UC Davis and there will be opportunities to spend time both at the University of Massachusetts Amherst (Machta) and at Case Western Reserve University (Abbott).

The ideal start date will be between July 1, 2019 and September 1, 2019. The initial term will be 1 year with extension for up to two more years with satisfactory performance. Salary and benefits are competitive. The University of California is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to the development of a climate that supports equality of opportunity and respect for diversity.

**Responsibilities:**

Under the guidance of the PI’s, the postdoc will develop and analyze models inspired by statistical physics to describe the dynamics of spatially coupled oscillating ecological systems and use these models to understand data from ecological systems.

**How to apply:**

Email a cover letter describing your background and interests in the position, cv, and contact information for 3 references to Alan Hastings (amhastings@ucdavis.edu). The position is open until filled.