A postdoc is sought for a collaborative project between the University of Oregon (J. Toner), the University of Colorado, Boulder (M. Betterton), and the IBM T.J. Watson Research Center (Y. Tu), that seeks to apply hydrodynamic theories of flocking to a variety of biological problems. This project specifically aims to: (1) describe finite flocks with free boundaries, (2) describe filament turnover in cytoskeletal systems, and (3) compare predictions of the theory with experiments on diverse biological systems.

We seek candidates with a recent Ph.D. in any or all of the following subject areas: Theoretical Soft Condensed Matter Physics, Mathematical Biophysics, hydrodynamics, Dynamical systems. This is a two-year position with the possibility of extension for an additional year. The starting date is flexible, but no later than September 2012. This position is supported by NSF grant #EF-1137815.

Interested candidates should prepare a cover letter/research statement, curriculum vitae with publication list, research statement, and arrange to have at least three letters of recommendation submitted to Academic Jobs Online, at www.academicjobsonline.org. For full consideration, applications should be received by January 31, 2012.

The University of Oregon is an ADA/AA/EO institution committed to cultural diversity. The University of Oregon is committed to creating a more inclusive and diverse institution and seeks candidates with demonstrated potential to contribute positively to its diverse community.
Search Committee Members:
John Toner, Professor, University of Oregon
Meredith Betterton, Associate Professor, University of Colorado
Yuhai Tu, Researcher, IBM T.J. Watson Research Research Center

Search Plan:
Posting on Academic Jobs Online (www.academicjobsonline.org)
Email announcement to other Universities, institutions and colleagues with strong programs in Theoretical soft condensed matter/biophysics. A list will provided at the end of the search.