

Breuer Lab - Brown University

I am fortunate to be looking to hire a postdoc to join a newly-funded NSF project, based at Brown University, on the mechanics of bird flight in turbulent environments. The project, in close collaboration with professors Ty Hedrick (UNC) and Alex Gerson (UMass) will be studying the mechanics, energetics and group flight behavior of birds (live birds, and robotic models) in turbulent flows.

In addition to encouraging undergraduate students to apply for the PhD programs at our universities and join this project, we are looking for a postdoc who can join our team as early as September 2026, although we can wait if necessary for the right person to be ready.

The ideal postdoc should:

- Have a background in Biology, Engineering, Physics. or a related field
- Eager to work with live birds and flapping wing robots in our wind tunnel
- Have experience in experimental fluid mechanics. Expertise in at least some of the following tools is desirable: PIV, motion tracking, computer-aided data acquisition, wind tunnel testing, unsteady aerodynamics, turbulent flows, etc.

Applicants should provide a recent CV, and email addresses of at least two references.

many thanks,

Kenny (kenneth_breuer@brown.edu)