**PI:** Brian O’Meara, Dept of Ecology and Evolutionary Biology

**Summary Title:** Next generation biodiversity

**Priority area to be addressed:** Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Names of core participants: \_\_\_\_\_\_\_\_\_\_\_**

**Overarching theme, vision, and goals of the proposed NRT**: Understanding biodiversity remains critical for addressing conservation, agricultural, and research questions. However, our training models are segregated: those working on fishes, forest trees, or pest insects often come from applied departments, while those working on mammals, fungi, amphibians, and reptiles are trained in departments with a basic research focus, largely directed at a faculty career. What is needed are ways to prepare students for a wide array of careers studying the full biodiversity of metazoan life.

**Traineeship model and its components and how they are integrated with NRT research activities: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**The STEM graduate population that will be served: \_\_\_\_\_\_\_\_**

**The novel, potentially transformative research that the NRT will catalyze: \_\_\_\_\_\_\_**

**Broader impacts: how will both the training components and major research efforts contribute broadly to the achievement of “societally relevant outcomes”: \_\_\_\_\_\_\_\_\_\_\_\_**

**A description of the recruitment, mentoring, and retention plan: \_\_\_\_\_\_\_\_\_\_**

**Plans for assessing the success of the training, including specific expected competencies and outcomes:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**