SOUMYA SANKAR, Ohio State University
Counting Elliptic curves with a rational N isogeny

The classical problem of counting rational Elliptic curves with a rational N isogeny can be phrased in terms of counting rational points on moduli stacks of elliptic curves. I will talk about how recent work of Ellenberg, Satriano and Zureick-Brown on heights on stacks can be used to answer this classical problem for certain values of N. This talk is based on joint work with Brandon Boggess.