Jennifer Hom* (hom@math.columbia.edu). Knot Floer homology and concordance.
We will discuss applications of knot Floer homology to concordance. In particular, we will compare the four-ball genus and concordance genus bounds given by $\varepsilon$, $\Upsilon(t)$, $\tau$, and $\nu^+$, which are all numerical invariants associated to the knot Floer complex. Parts of this talk are joint work with Zhongtao Wu. (Received January 18, 2015)