In the past several years, much has been discovered towards a structural relationship between Floer-theoretic invariants of 3-manifolds and combinatorial link invariants. A first step was in the form of a spectral sequence from the reduced Khovanov homology of a link to the Heegaard Floer homology of the double branched cover of the link, done by Ozsváth and Szabó. In this talk we discuss how this story carries through in the setting of instanton Floer homology. (Received January 27, 2014)