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John A Baldwin* (john.baldwin@bc.edu), **Zhenkun Li** and **Fan Ye**. *Sutured instanton homology and Heegaard diagrams.*

It is an open question how instanton Floer homology is related to the other main Floer-homological invariants of 3-manifolds, those being Heegaard Floer homology, monopole Floer homology, and embedded contact homology, which are all known to be isomorphic to one another. I'll describe recent work with Zhenkun Li and Fan Ye motivated by this question, in which we prove that the dimension of the sutured instanton homology of a balanced sutured manifold is bounded above by the number of generators in any sutured Heegaard Floer complex for the manifold. Among other things, it follows that strong L-spaces are instanton L-spaces. (Received January 13, 2021)