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Alexander Ellis and **Ina Petkova***, ina.petkova@dartmouth.edu, and **Vera Vertesi**. *Knot Floer homology and the $gl(1-1)$ link invariant*.

The Reshetikhin-Turaev construction for the standard representation of the quantum group $gl(1-1)$ sends tangles to $C(q)$ -linear maps in such a way that a knot is sent to its Alexander polynomial. After a brief review of this construction, I will give an introduction to tangle Floer homology — a combinatorial generalization of knot Floer homology which sends tangles to (homotopy equivalence classes of) bigraded dg bimodules. Finally, I will discuss how to see tangle Floer homology as a categorification of the Reshetikhin-Turaev invariant. This is joint work with Alexander Ellis and Vera Vertesi. (Received January 21, 2020)