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**Bach Nguyen\*** (bnguy38@lsu.edu). *Quantum Group and Cluster Algebras*. Preliminary report.

As a noncommutative analog of cluster algebras, quantum cluster algebras were defined by Berenstein and Zelevinsky in 2005. Since then, such algebras have been an active research area with important applications in the study of canonical bases, combinatorics and representation theory. Recently, Goodearl and Yakimov gave a construction of quantum cluster structure for algebras which are CGL extensions. We apply their result to the setting of quantum foldings and extend it to more general situation. This is a work in progress. (Received February 06, 2018)