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Hannah Callender Highlander* (highland@up.edu), 5000 N Willamette Blvd, MSC 60, Portland, OR 97203, and **Carrie Eaton**. *A “Rule-of-Five” Framework for Models and Modeling to Unify Mathematicians and Biologists and Improve Student Learning.*

Despite widespread calls for the incorporation of mathematical modeling into the undergraduate biology curriculum, there is lack of a common understanding around the definition of modeling, which inhibits progress. Here we extend the “Rule of Four,” initially used in calculus reform efforts, to a framework for models and modeling that is inclusive of varying disciplinary definitions of each. This unifying framework allows us to both build on strengths that each discipline and its students bring, but also identify gaps in modeling activities practiced by each discipline. We will also discuss benefits to student learning and interdisciplinary collaboration. (Received September 25, 2017)