

Humanizing mathematical biology research and education

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Mathematical biology is a field that contributes key insights into the most pressing issues facing humanity such as disease, global sustainability, and conservation. We argue that mathematical biology should as a research and teaching feild should work towards humanizing endeavors, instead of treating the impacts of our feild as far reaching or implicitly stated. We present some examples of mathematical biology research in which centering human behavior and biases to disease modeling adds insight to our understanding of observed dynamics. We also include suggestions for broader approaches to the teaching modeling that question assumptions of data and model neutrality.