

It Takes a Village: Delivering Education and Enabling Research in Mathematical Biology via an Organized Community Approach

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We present an emerging model of shared academic, intellectual and infrastructure resources that addresses the need for institutions to sustain their educational and scholarship missions under ever-declining funding. The IBA was created in 2014 in Illinois, eventually growing to a state-recognized ‘Center for Collaborative Studies’ in 2017. As the impact of the IBA continues to expand, it is on its way to becoming a new educational paradigm in response to diminishing resources, and it can serve as a model to foster collaboration for other fields of mathematics. Here we will share the benefits of being a part of this academic consortium.

Keywords: Intercollegiate Biomathematics Alliance, academic consortium, cross-institutional collaboration, undergraduate research, sharing academic resources