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Elsa Schaefer* (elsa.schaefer@marymount.edu), Department of Mathematics & Computer Science, Marymount University, 2807 North Glebe Road, Arlington, VA 22042. *CoMBiNe:*

Teaching modules to encourage cross-education in mathematics and biology classrooms.

This talk describes the web resource being developed by CoMBiNe, the Computational Mathematics and Biology Network. The network grew out of the series of week-long summer Computational Biology workshops that were co-sponsored by the MAA's PREP series and the Shodor Foundation's NCSI project. The CoMBiNe network is in the process of developing a series of refereed teaching modules that cross-index key subjects in biology and mathematics. Each module focuses on a particular topic in biology and contains an introduction suitable for both mathematicians and biologists and several other items such as research and/or teaching references, classroom activities, homework suggestions, and student projects. The web resource hosting the modules will be searchable both by mathematics topics and biology topics, so that mathematics instructors can insert fresh biology applications into their teaching and biology professors can emphasize the mathematics behind the topics they teach. This talk will showcase several modules developed in CoMBiNe's initial 2006 workshop, and will talk about opportunities to participate in the 2007 workshop. (Received August 22, 2006)