

RETHINKING ONE BIOCHEMICAL CONCEPT: SIGNALING - A VITAL TOPIC IN MOLECULAR LIFE SCIENCE EDUCATION

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The development of a list of key concepts and organizing principles for the topics central to the molecular life sciences is the necessary first step toward the development of tools necessary to assess the teaching and learning of these concepts. This is not an easy task and requires community acceptance if it is to be adopted widely. We hope to work with the many IUBMB member societies to develop this list of core topics in molecular life science education and the key concepts and organizing principles within them. Signaling is a modern topic that has become central to the study of the molecular life sciences. At this workshop I will present a proposal for a set of biochemical concepts and organizing principles that provide structure to the topic of signaling. The purpose of the proposal is to stimulate discussion on what constitutes a set of core concepts basic to the topic.