

1067-X1-2165      **Dmitry A Kondrashov\*** (dkon@uchicago.edu), 924 E 57th St, University of Chicago, BSCD, Chicago, IL 60637. *Biomath is more than theorems with biological examples: an integrative framework.*

Modern biological science is increasingly quantitative, both because of large quantities of new data, and due to the complexity of the systems. It is generally accepted that biologists need better quantitative training, which serves the expanding needs of the science. I propose an approach to teaching mathematical topics for biologists, which consists of four components: model-building, analytical, computational, and biological. I will present implementations of this approach from two courses: Mathematical Methods for Biology for advanced students and a Biocalculus course for first-year biology majors. (Received September 22, 2010)