

1067-X1-1968      **Sumona Mondal\*** (smondal@clarkson.edu), 8 Clarkson Avenue, Potsdam, NY 13699. *Title of paper: Biology and Mathematics: The Exciting Nexus for the Advancement of Sciences.* Preliminary report.

Biomathematics and Biostatistics are building strong grounds these days. The reason is, these sciences bring mathematics to reality. Thus, the most important interdisciplinary training of modern days should be developed in such a way that it makes a good connection between biologists and mathematicians. The surge of this immense interest is because of the outcome of huge data from Biological experiments where as the ability to analyze them is limited. Invariably, there is a need of trained researchers who can help make sense of the data and present them most efficient way and consequently a team of researchers can create and implement new methods and techniques. Now comes the question of how to teach Biomath/Biostat to undergraduates from mathematics, biology and other interested majors? What courses we need to have? At what level the students should be taught so that we can raise a common interest? What pre-requisite courses should be considered? What kind of analytical tools to be adopted? What would be the role of a lecturer? In this presentation all these questions will be discussed. (Received September 22, 2010)