

Interdisciplinary Collaboration: From a Mathematical Scientist's Perspective

By

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Abstract

In the big data era, mathematical scientists are increasingly expected to (1) have knowledge beyond their own areas of expertise, (2) communicate well with other disciplines, and (3) possess strong computational skills. Our research and education should reflect this cross-disciplinary interplay between the mathematical sciences and other disciplines. A mathematical science department would create an environment that encourages collaboration between researchers outside the discipline and mathematical scientists. Expanding the suite of its degree programs to include “minors” would allow the department to serve as a central hub from which students across campus can learn to view the full spectrum of real world applications through a mathematical lens. This presentation will include the speaker’s personal experience in collaborative research with health scientists and cross-disciplinary education of biostatisticians and other public health students seeking biostatistics as a minor. The administrative vision of the presenter will also be offered.

Room: EMAGC 1.302 and via WebEX to BBRHB 1.207.

Date: Wednesday, April 12, 2017, 12:15 – 1:00 pm.