Development of a Web-Based Instructional System for Emerging Scientific Technologies:
The Vanderbilt Microarray Shared Resource, a case study.

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Abstract: We are developing an online interactive Web-Based instructional module, which provides our user community with basic tools to understand microarray technology. Additionally, providing basic theories associated with microarray technology may allow the user community the necessary means to appropriately and innovatively apply the technology. We describe a longitudinal learning environment designed to educate the novice undergraduate and practiced researcher. Preliminary studies of senior level undergraduate students suggests that such a system will enhance the learning experience of current technologies as they move from development in the lab to useful research tools. This case study, exemplifies a novel use of the web to expeditiously disseminate information and training in emerging technologies.