

## College of Nursing and Health Professions



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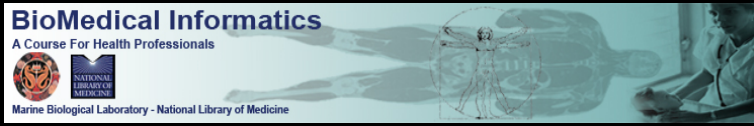
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# National Library of Medicine and the Marine Biological Laboratory Biomedical Informatics Fellowship – One Team’s Experience

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## THE FELLOWSHIP

- ◆ This week-long course is designed to familiarize individuals with the application of computer technologies and information science in biomedicine and health science
- ◆ Through a combination of lectures and hands-on computer exercises, participants will be introduced to the conceptual and technical components of biomedical informatics
- ◆ The conceptual components include principles of database design, human-computer interfaces, medical terminologies and coding systems, medical decision analysis methods, clinical information systems architectures, and methods for measuring costs and benefits in health care systems
- ◆ The technical components include use of the Internet for biomedical applications, current and emerging wide area network technologies, use of literature and molecular sequence databases, and systems for telemedicine
- ◆ Elective evening workshops will teach personal computer skills in using a variety of World Wide Web-based technologies

[http://www.mbl.edu/education/courses/special\\_topics/med.html](http://www.mbl.edu/education/courses/special_topics/med.html)

## FOCUS OF THE FELLOWSHIP

- ◆ This program is taught by a nationally known faculty and prepares the student to become actively involved in decision making in their environment
- ◆ The program also provides the student the skills to become active change agents in their environments

## WHO CAN ATTEND

- ◆ This is a National Library of Medicine fellowship program geared toward medical librarians, administrators, health professionals, informatics specialists and young faculty who are not currently knowledgeable but can become agents of change in their institutions
- ◆ This fellowship is limited to 30 fellows for each session and is offered two times a year in Woods Hole, Massachusetts
- ◆ Fellows selected in Fall 2005 were the highest scoring individuals drawn from 133 applicants



### The Drexel Team



### Fall 2005 Fellows



### SQUID Team



## FELLOWSHIP LEADERS

- ◆ **Director**  
James Cimino MD, *Columbia University*
- ◆ **Principal Investigator**  
Cathy Norton, MLS, *Marine Biological Laboratory*



## DREXEL UNIVERSITY

- ◆ Drexel University College of Nursing and Health Professions incorporates informatics in all aspects of the undergraduate and graduate nursing curriculum
- ◆ This ambitious informatics initiative requires extensive planning, creative leveraging of available resources, administrative support as well as a concerted effort to identify additional external opportunities and resources
- ◆ Since 2003 four of the informatics faculty team were selected to complete the rigorous program
- ◆ This specialized training provided us the opportunity to develop a skilled and cohesive team of informaticists to serve as the driving force for technological innovation within the college



## IMPACT AT DREXEL

- ◆ As a result of this experience, we incorporate strategies to engage the students in making informed decisions utilizing tools, applications, technology and information resources to provide just-in-time information at the point of care



## DREXEL FUTURE PLANS

- ◆ Plans are in place to have additional team members including librarians and non-nursing faculty complete the fellowship to support a university-wide interdisciplinary collaboration in innovation and research
- ◆ This experience has resulted in numerous curricular changes and we have additional strategic initiatives planned for the future



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