

## Dental Informatics Intern Program

### *THE INSTITUTION*

Marshfield Clinic is one of the largest multi-specialty group practices in the country. The Clinic provides care at 43 sites throughout central and northern Wisconsin. A number of Marshfield Clinic locations provide both medical and dental care. Marshfield Clinic believes that the best health care is achieved through an integrated oral/systemic approach. Toward that end, the Clinic is currently developing (with funding from Delta Dental) integrated electronic dental record capabilities into its EHR. The internally-developed EHR is one of the oldest and most comprehensive in the country, containing coded diagnoses data back to 1960, with other coded data and digital documents back to the mid-1980's. Marshfield Clinic also has an extensive collaborative relationship with University of Wisconsin Madison.

The Marshfield Clinic Research Foundation employs 175 researchers and staff. The Research Foundation is divided into five centers. The newest of these is the Biomedical Informatics Research Center (BIRC), which was founded in 2005. Currently the center employs about 25 scientists and staff. Research at the BIRC focuses on informatics applied to practical clinical and research problems. Current areas of focus include: Dental Informatics, Knowledge Management, Decision Support, Human Computer Interaction, Translational Informatics and Genome/Phenome studies.

### *PROGRAM DETAILS*

Dental informatics, a discipline concerned with the application of computer technology in dentistry, is a rapidly emerging field in which training opportunities are limited. Biomedical Informatics Research Center is offering a dental informatics intern program to provide opportunities for education and research in this discipline. Some of the ongoing projects at the center include research in development of a minimum dental data set for medical providers, dental workflow analysis, dental terminology, developing electronic dental record information model and integration of medical and dental electronic health records.

Individuals who are engaged in the following areas are strongly encouraged to apply for this program: dentists, dental students, dental educators, dental hygienists, dental technicians, physicians, medical students, computer scientists, and computer science undergraduate and graduate students. Successful applicants will be assigned a primary mentor and will work on one or more projects under the discipline. The intern will participate in a learning experience that incorporates all aspects of the research process. In the initial stages, interns learn the project's background by reviewing the scientific literature, planning the project, and learning the skills necessary for successful project completion. Interns work closely with mentors to develop their project. As the project develops, interns begin data collection and analysis, and meet regularly with the scientist to discuss findings and plan new approaches as needed.

At the end of the 12-week internship, interns give a 30-minute oral presentation of their research findings at the summer research symposium.

Interns receive \$10 per hour plus housing in a fully furnished apartment near the medical complex.

### *APPLICATION PROCESS*

The application deadline is February 5<sup>th</sup>. There are 2 separate components to the application:

- Completion of the standard Human Resources application for employment at Marshfield Clinic [Marshfield Clinic Employment site](#)
- Completion of the internship-specific application form [Application information \(Microsoft Word 44KB\)](#)

No late applications or materials will be accepted and all components of the application must be completed. Final selections are determined by consideration of the applicant's overall academic standing, references, personal essay, and course selection. Students are notified of the selection committee's decision by mid-February.

For additional information, please contact:

Marshfield Clinic Research Foundation  
Summer Research Internship Program  
1000 North Oak Avenue  
Marshfield, WI 54449-5777  
1-800-782-8582, ext. 9-3350  
email address: [coleman.laura@mcrf.mfldclin.edu](mailto:coleman.laura@mcrf.mfldclin.edu)