

## **CENTER FOR ANTI-INFECTIVE RESEARCH AND DEVELOPMENT**

The Center for Anti-Infective Research and Development at Hartford Hospital has a long-standing history of performing cutting edge research in Infectious Diseases and has offered a variety of post-doctorate training programs in Infectious Diseases Pharmacotherapy since 1978. The Center participates in all aspects of anti-infective research, including preclinical toxicology and pharmacology evaluation of novel compounds as well as clinical pharmacokinetic, pharmacodynamic and pharmaco-economic studies of currently available antibiotics. Specific areas of antibiotic research include pharmacokinetic and pharmacodynamic research (dose, concentration and antimicrobial action) as well as tissue penetration studies and in vitro and in vivo animal model work. In addition, various Phase I-III clinical trials and cost-effectiveness studies are ongoing.

### **FELLOWSHIP IN INFECTIOUS DISEASES**

A two-year fellowship at the Center for Anti-infective Research and Development at Hartford Hospital is offered with special emphasis on clinical pharmacokinetics and antimicrobial pharmacodynamics. The fellow's principle responsibility will be research, which encompasses in-vitro/in-vivo pharmacodynamic modeling, animal, healthy subject, and phase I-IV clinical studies. Training in Infectious Diseases clinical practice issues and antibiotic stewardship will be received. The fellow will also gain experience in protocol development, grant attainment, study management, as well as the publication of scientific literature.

## **CLINICAL AND RESEARCH RESOURCES**

Hartford Hospital is an 890-bed, acute-care, community teaching hospital with major specialty and subspecialty services. It is the third largest--and one of the busiest hospitals in the Northeast. Some of the more active clinical programs include cardiology, critical care, trauma, infectious disease, pediatrics, oncology, transplantation and cardiovascular surgery. Research in many of these areas is also a mission of the hospital. In addition to clinical services, there are several research laboratories, which are equipped with the latest analytical equipment, allowing the chemical and microbiological analysis of a wide variety of drugs; instrument laboratory equipped with spectrophotometers, multiple HPLC systems; and, a microbiological laboratory. Other specialty laboratories include: Liposomal Drug Delivery, Endotoxin Assay, Surgical Research Laboratory, Molecular Biology, and Immunology.

Other sources routinely available to Center for Anti-Infective Research and Development for ongoing projects include an AAALAC accredited animal research facility capable of handling a number of animal species and three fully staffed operating rooms requiring this intensive care setting.

The hospital also has a functioning Clinical Research Center (CRC), which specializes in Phase I and Phase IV drug studies.

Computer support includes access to the institutional IBM mainframe allowing routine use of extensive management and clinical information such as statistics, artificial intelligence, graphics, spreadsheets, patient lab data, etc. Several microcomputers are also available.

## **HARTFORD HOSPITAL PHARMACY SERVICES**

The Department of Pharmacy Services provides 24-hour comprehensive pharmaceutical services. The present staff consists of more than 100 pharmacy personnel, of whom greater than half are pharmacists. The departmental patient-oriented services include a decentralized unit-dose system, a centralized IV admixture system, a Drug Information Service, a Nutritional Support Service and a Clinical Pharmacy Service. The staff provides a consultation service with special emphasis on the pharmacokinetic approach to patient management and pain control.

### **FELLOW EDUCATIONAL OPPORTUNITIES**

Each Fellow will receive an adjunct academic appointment as Assistant Clinical Professor at the University of Connecticut, School of Pharmacy. All Fellows are requested to participate in teaching a clinical pharmacy experience course for pharmacy students from the University of Connecticut, School of Pharmacy. In addition to teaching pharmacy students, the Fellows will also be involved in providing in-service lectures to other health professionals and students as needed.

### **APPLICATION PROCEDURE**

The minimum requirement is a Pharm.D. or equivalent degree. Selection of the Fellow is based on the application process (including completed application forms, curriculum vitae, college transcripts, three letters of reference and personal interview) for the start of the program beginning on July 1.

## STIPEND AND BENEFITS

The annual stipend will be approximately \$36,000 for first-year Fellows and \$46,000 for second-year Fellows.

Benefits from Hartford Hospital include full health and dental (from Aetna or participating HMO plans), Group Life Insurance, 15 days of vacation and educational leave for attending one national meeting per year.

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### CONTACT PERSON:

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### PRECEPTORS:

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Additional information and application material may be obtained by writing to:

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