

BEACON Newsletter

Biomedical Engineering Alliance for Connecticut*

February 1, 1999

A Report to Industry

THE INDUSTRIAL INTERNSHIP PROGRAM- Update

Industrial Internships have been established with several companies for both undergraduate and graduate students. Most importantly, a tentative agreement has been reached with the University of Connecticut regarding graduate student participation in industrial research projects that preserve the intellectual property rights of the company. BEACON will continue to expand this program for the 1999-2000 academic year. There will be an Industrial Internship event on February 17, 3:00-5:30PM at Trinity College during which industrial representatives will present summer internship opportunities to interested students from

DRUG DISCOVERY AND DELIVERY CURRICULUM-Update

BEACON institutions. A new curriculum initiative has been launched in drug discovery and delivery with the presentation of a new course *Introduction to Drug Discovery* which is being offered in the Spring of 1999. Also of interest, BEACON is in the process of organizing a Drug Discovery and Design Symposium which will be held on Oct. 1, 1999 from 9:00 AM - 6:30 PM. The exact venue for this event will be determined shortly. Keep this date free.

CLINICAL ENGINEERING

Dr. Herbert Maier-Lenz, director of the *International*

An advanced clinical engineering workshop will be offered June 10-12, 1999 on the Trinity College campus. Leaders from the Clinical Engineering community will present lectures of interest to students and current clinical engineering managers, technology managers, BMET supervisors and those interested in healthcare technology management.

Day One, June 10: Management Issues

Performance Indicators for Clinical Engineering

- _ Improving Utilization of Service Resources
- _ Measuring and Improving Client Satisfaction
- _ Performance Improvement

Day Two, June 11: Business Practices

Responding to Consolidations and Mergers

- _ Taking In-house Programs on the Road: Pricing Marketing and Support Strategies
- _ New Ideas in Vendor Management
- _ Developing and Administering Strategic Internships.

Day Three, June 12: Team Building

Motivation and Morale When Dealing with Change

- _ Art of Negotiation
- _ Accessing Competencies

BEACON: A MODEL FOR GERMAN BME PROGRAM-Update

- _ Career Development
- _ Leveraging the Intra/Internet (Supplementary Session *Collaborative Biomedical Engineering Union in*

*BEACON, The Biomedical Engineering Alliance for Connecticut, Collaborative Team:

Trinity College, The University of Connecticut at Storrs, The University of Connecticut Health Center, The University of Hartford Hartford Hospital, The Connecticut Children's Medical Center, John Dempsey Hospital, The Yale-New Haven Hospital, Bridgeport Hospital and the Baystate Health System

Southern Germany, (which includes the University of Stuttgart, The University of Freiberg Medical School, and The University of Applied Sciences at Furtwangen and Sigmaringen) will meet with BEACON in February to work out details for initiating transfer of students. This program will enable students in Germany to obtain a B.S, M.S. and Ph.D. in Biomedical Engineering. Contracts have already been agreed upon and signed by the

FUNDING OPPORTUNITIES

academic institutions involved. It is important to note that BEACON academic partners have made institutional commitments to continue BEACON activities, upon completion of the Whitaker Foundation grant, into 2000 and 2001. In addition, Several companies have also agreed to provide corporate sponsorship for the first two years of the new millennium.

In addition, The Donaghue Foundation has agreed to consider supporting collaborative research efforts that encompass Tissue Engineering and Modeling of Aortic Aneurisms. BEACON will provide administrative oversight and guidance to these research efforts. Proposals are due March 15, 1999.

BEACON COURSE OFFERINGS

1999

Educational offerings through BEACON continue to expand increasing the availability of BME curriculum to working professionals. See below.

Spring 1999

Biofluid Mechanics (undergraduate)
 MWF 9:30-10:20AM University of Hartford
 Advanced Ultrasonic Imaging Techniques

T 6:00-9:00 UConn, Storrs
 Biosensors
 T 6:00-9:00 Trinity College
 Biosignal Analysis
 M 6:00-9:00 Trinity College
 Clinical Instrumentation Systems
 TR 6:00-9:00 Trinity College
 Computational Neuroscience
 TBD TBD UConn Health Center
 Introduction to Drug Design
 TR 6:00-9:00 UConn Health Center
 Introduction to Optics and Lasers in Medicine
 W 6:00-9:00 Trinity College
 Physiological Systems II
 T 6:00-9:00 Trinity College
 Physiological Modeling
 M 6:00-9:00 Trinity College
 Transport Phenomena in Biological Systems
 TR 6:00-9:00 UConn Health Center

Fall 1999

Bioinstrumentation (undergraduate)
 T & TR 2:55-4:10 University of Hartford
 Electrophysiology (undergraduate)
 T & TR 4:00-5:15 Trinity College
 Cellular Systems Modeling
 M 6:00-9:00 UConn Health Center
 Design of Medical Imaging Transducers
 R 6:00-9:00 Trinity College
 Human Biomechanics
 W 6:00-9:00 TBA

BEACON OFFICES:

Introduction to Biomaterials and Tissue Engineering
 M 6:00-9:00 UConn Health Center
 Physiological Control Systems
 T & TR 3:30-5:00 UConn, Storrs
 Physiological Systems I
 T 6:00-9:00 Trinity College

Please contact the BEACON offices if interested in course offerings for Fall 1999 and Spring 2000.

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