

Department of Biomedical Engineering
Biomedical Engineering Partnership Program
Advisory Board Meeting Minutes

Date: April 11, 2006

Location & Time: Engineering Center – Conference Room 2300

Attendees :

Abraham, William – Mt. Sinai Medical Center	Horstmyer, Jeffery L. – Mercy Hospital
Anderson, Rebecca – FIU	Lary, Todd – Oxylation, LLC
Avellant, F. – Miami Cardiovascular	Lorenzo, Juan – Cordis Corp
Bell, Zachariah – Bell Venture Group, LLC	Pinchuk, Leonard – Innovia, LLC
Bouza, Peter – Bechman Coulter	Ponder, Steven L. – Imaging Diagnostic Systems, Inc.
Byrne, James – FIU	Prasad, Vish – FIU
Christie, Michael – Millennium Scientific, Inc.	Salamone, Ana Beal – Rochal Industries, Inc.
Collins, Henry W. – Johnson & Johnson, Cordis Corp	Schwade, James G. – Cyberknife Center of Miami
Crumpler, Eric – FIU	Schoephoerster, Richard – FIU – Chair
Dambach, George – FIU	Shahrestani, Hamid – Qualtech Solutions, Inc.
Diaz, Raymond – Scion Cardio Vascular	Shallo-Hoffman, Josephine – Nova Southeastern U.
Fugar, Simon – Bolton Medical, Inc.	Sussman, Jon – FIU
Galvez, Santiago – Beckman Coulter	Wasserman, Michael J. – HIG Ventures
Garcia-Godoy, Franklin – Nova Southeastern U.	Wasserman, Avy – FIU
Goode, Roberta D. – Goode Consulting International	
Guillama, Noel – The Quantum Group, Inc.	
Halpert, Stephen – Solutions & Resources	
Harris, Ana C. – Carlton Fields, Inc.	
Horowitz, Stuart – Miami Children’s Hospital	

Agenda

Dr. Schoephoerster set the motion to approve the agenda for today’s meeting. All were in favor of the agenda.

State of the Department

Dr. Richard Schoephoerster welcomed and thanked all of the members for taking the time in working together to further improve the Biomedical Engineering Department’s commitment to the community with regards to research and technology.

Dr. Schoephoerster discussed the expansion of Biomedical Engineering, hiring of faculty whose major focus in research is on Nano technology and electronics. Motorola gave significant donations and equipments.

Dr. Schoephoerster advised the College of Computer Sciences was moved from Arts & Sciences to the College of Engineering and Computing. Dean Prasad discussed the college in general, detailing the names of each college. Overall student count is currently 3,000 students. There are over 200 graduate students, 250 PhD students, and 125 faculty members. There are currently 31 degree programs in the college. Dean Prasad also reported that research awards have increased in the last few years.

Medical School

Dr. Dumbach provided an update on the plans for the College of Medicine. He projected development and actual implementation of the college could take up to 5 years. The plans include integration throughout the community including clinical practices and private enterprises. Several affiliations will be sought to help support this endeavor. Current affiliations with Mt. Sinai Medical Center and Miami Children's Hospital will be expanded to establish medical residency programs in the South Dade community as well as research enterprise that will be distributed throughout the medical school.

Dr. Dumbach reaffirmed the College of Medicine is still at ground "zero". The 1st hurdle to overcome is the legislature, State approval process, development of multi-degree programs and of course the money. Projected budget increments are 10% internship and 90% partnership process. Overall, it will take 5 to 6 years to get it all together.

Internship/Co-Op Programs

Overall, the BME track program is well-suited for medical students. It is projected that at least a 3rd of Biomedical Engineering students would continue studies in the medical school. These students should be trained in the undergraduate level prior to med school.

The 2005-2006 BME newsletter has been completed. A packet containing BME information, newsletter and other materials was sent out to the various campuses, colleges and high schools. Dr. Schoephoerster projected the addition of 20 PhD students by the Fall, 2006 and also projected 50 PhD students in 5 years. The BME undergraduate program is growing consistently for the last couple of years.

Dr. Schoephoerster advised (2) NIH grants were received. The Advisory Board discussed the Governors World Class Scholars program. Advisory members were asked to help with contacts to help promote this program. Competitive salaries are an issue as well as competition for talent and start-up costs.

Mr. Bouza – Beckman Coulter discussed his company's intern-hiring process of BME students. The Advisory Board discussed the possibility of hiring international students.

Accreditation Update

Dr. Schoephoerster discussed the 1st site visit for accreditation. Design sequence and projects were reviewed extensively during the site visit. The department prepared a detailed self-study and sent a draft to the State office. Electives were changed for technical electives in accordance with accreditation standards. Feedback is pending.

Dr. Schoephoerster reviewed the 10 elements of the design process. He explained how projects are selected, the formulation of the teams and how costs analysis and budget constraints are evaluated as a feasibility statement to the final senior design report.

Dr. Schoephoerster requested volunteers from the Advisory Board to serve as judges to the upcoming annual Expo event and Competition. He would like to see a mix of clinicians, business mentors, and enterprise to judge this event. Abstracts will be prepared and sent out to the judges.

Wallace H. Coulter Grant

This foundation has continued to provide BME with the funding necessary to effectively impact clinical implementation. Funds have helped to further expand the Collaborative Technology Innovation Program as well as the Young Inventors Award Program. The continued group of these programs will help Biomedical Engineering prepare for the future Medical School. It will also provide the ground work to help BME assess and evaluate new areas in modeling and design for primary focus in the department.

A program is being implemented at Miami Children's Hospital to implement an animal research and testing lab facility. Collaborators are working on a \$10M grant to expand multiple animal facilities. Dr. Crumpler stated animal samplings will include rabbits. He is working with the medical team to develop curriculum. The Bell Venture Group – Mr. Zachariah Bell suggested to contact their workforce for help with this expansion.

Meeting Adjournment @ 10:35 am