Department of Biomedical Engineering

Biomedical Engineering Partnership Program

5th Advisory Board Meeting Minutes

Date: March 14, 2003

Location & Time: Cordis Corporation; 9:30 am

Industry Attendees*: William M. Abraham – Mount Sinai Medical Center *
Zachariah R. Bell – Langley Group *
Michael Christie – Cordis Corp.
Hank Collins – Cordis Corp. *
Ray Diaz – Scion Cardio Vascular *
Stuart Horowitz – Miami Children’s Hospital *
Prasanna Jayakar – Miami Children’s Hospital *
Barry T. Katzen – Miami Cardiac & Vascular Institute
Margaret Kovacs – Miami Cardiac & Vascular Institute
Topaz Kirlew – Bioheart, Inc. *
Howard J. Leonhardt – Bioheart, Inc.
Ernie Manzano – Scion Cardio-Vascular
Suzana Otano-Lata – Boston Scientific Corp.
Leonard Pinchuk – Innovia *
Mark Pomeranz – Cordis Corp. *
John Roche – IDEXX
Russell Rising – EMTAC Inc. *
Pierre-Henri Rolland – Universite de Marseilles
Lori Ann Santamaria – Cordis Corp. *
Hamid Shahrestani – Boston Scientific Corp. *
Josephine Shallo-Hoffman – Nova Southeastern University
Michael J. Switzer – Beckman Coulter, Inc.
Jack A. Ziffer – Baptist Health Systems

BMEI/FIU Attendees: Ofer Amit – Biomedical Engineering
Alan Carsrud – Center for Global Entrepreneurship & Innovation
Richard T. Schoephoerster – Biomedical Engineering

Minutes by: Rosy Verona
Welcome

Dr. Richard Schoephoerster began by welcoming everyone to the 5th Advisory Board Meeting. The strength of the Biomedical Engineering Partnership Program is the relationships built with industry and clinical organizations. Dr. Schoephoerster thanked all of the participants for their dedication and time, in addition to Cordis Corp. for their hospitality in hosting the meeting. All of the participants introduced themselves.

Adoption of Agenda

Dr. Schoephoerster set the motion to approve the agenda, moved and seconded it, and all were in favor.

Adoption of 10/15/02 Minutes

Dr. Schoephoerster asked for motion, moved and seconded it, and all were in favor.

State of the Program Review

Dr. Schoephoerster provided an update on BME’s activities.

BME’s Vision and Mission statement were reviewed. BME’s purpose is to advise and provide guidance for the overall direction of research an education in biomedical engineering at FIU. The BS program just began and the PhD program has just been approved at the College level and is now going to the State for approval. The PhD program will focus on (1) mechanics, materials, and devices; (2) instrumentation and image/signal processing; 3) drug delivery/tissue engineering; 4) medical physics/nuclear medicine; and 5) cytomics. Dr. Schoephoerster also solicited input for the Program Review Self Study Report. BME’s goal is to be the best Biomedical Engineering Department in Florida within 5 years and to be one of the top 25 departments in the country within 10 years.

Dr. Schoephoerster reviewed the CTIP projects from 2001 and the 5 new 2002 projects.

As part of BME’s Lecture Series, the following lectures have been given: William Murphy of Hyperion Inc.; John Babbit of Bioheart Inc.; Ana Harris of Katz, Barron, Squitero, & Faust, P.A.; Henry Collins of Cordis Corp.; Mario Martinez of Tecnix; and Janice Hogan of Hogan & Hartson LLP. The following are upcoming lectures: on 3/28/03 Michael Cleare of Columbia University; 4/11/03 Modesto Maidique President of FIU; and 4/16/03 Joseph Bronzino on Trinity University. A discussion occurred on: having more industry participation; the issue of dates & times that the lectures are held is difficult for industry personnel to participate; suggestions on offering 3-4 speakers on a Saturday as a workshop; and having a registration fee.
Collaborative Technology Innovation Program (CTIP)

Dr. Jayakar began by reviewing the program’s goals: new knowledge & discovery, and commercialization. The CTIP committee observed the following obstacles: A high ratio of medical academy vs. the need to interact more with each other (more overlap with the different teams); Enhance the capability of matching the right student with the right industry company. A discussion occurred among the members concerning Intellectual Property relationships with industry and universities. Mr. Amit requested a motion to create a task force addressing these issues as well as CTIP applications, collaborating with the Center for Global Entrepreneurship, and providing guidance on setting up an efficient system at FIU. The Intellectual Property Task Force is comprised of: Leonard Pinchuk (Chair for the 1st year), Hank Collins, Alan Carsrud, Stuart Horowitz, Topaz Kirlew, and Zachariah Bell.

Sponsorship Grants

Mr. Shahrestani gave a brief overview of the Sponsorship Grant. Individuals and small organizations (50 or less employees), the suggested annual sponsorship grant is $1,000; large organizations (51 or more employees), the suggested annual sponsorship grant is $5,000. Mr. Shahrestani explained that monetary items and commitment from committee members are needed in order for this to be a successful program. He opened a discussion relating to the expansion of this program and what elements can contribute that meet the vision and mission statements, other than funds. Mr. Pomeranz suggested setting up other ideas to collaborate with students, such as time and commitment. In addition, Mr. Rising believes in using students to solve project problems, but need to avoid bureaucracy. All agreed for the creation of the Sponsorship Task Force. The members are: Hamid Shahrestani (Chair), Mark Pomeranz, Ofer Amit, and Topaz Kirlew.

Mentoring

The Mentoring Program exposes students to all steps of a project. Students need to acquire as much information from this program so that companies also get quality students. Dr. Schoephoerster commented that BME currently has some students going through an internship program where some companies pay them, for example, through temp agencies. A short discussion occurred and all agreed on the creation of a Mentoring Task Force. The members are: Ray Diaz (Chair), Alan Carsrud, Mark Pomeranz, and Ofer Amit.

Entrepreneurship Program Guest Speaker

Dr. Alan Carsrud, of FIU’s Center for Global Entrepreneurship, gave a presentation on the Entrepreneurship Program. Dr. Carsrud is the Clinical Professor of Management at the College of Business and a Professor of Industrial Engineering and the Director of the Center for Global Entrepreneurship focusing on South Florida and Latin America. His long term goal is to become a recognized leader in entrepreneurship education, research, and firm development. The Center is built on research, teaching, outreach, interdisciplinary across campus, and international orientation. In closing, Dr. Carsrud
described the four parts to the Center: family business, entrepreneur research institute, academic programs, and technology entrepreneurship programs.

**Closing Remarks**

Dr. Schoephoerster formally thanked Cordis Corporation for their hospitality and presented certificates to their members in appreciation.

The next Advisory Board Meeting will be held in the fall (mid September). Dr. Jayakar, of Miami Children’s Hospital, has volunteered to host this meeting.