

Interface between Engineering and Biology and its Impact on the Human Condition

Symposium/Regional Meeting of the National Academy of Engineering The Public is Invited

March 13, 2003, University of Washington

Symposium: Room 110, Kane Hall, 1 - 5:30 pm

Social Hour: Walker-Ames Room, Kane Hall, 5:30-6:30

The web site for the event is: <http://www.cs.washington.edu/nae>.

Sponsors: Microsoft, Micronics, University of Washington, National Academy of Engineering

The National Academy of Engineering holds several Regional Conferences each year, on topics of interest to the host institution. Because of the biological/medical focus at the University of Washington, this meeting concentrates on engineering and scientific developments in the medical field.

Introduction to the National Academy of Engineering

Dr. William A. Wulf, President

Dr. Richard D. Klausner, M.D.

Executive Director, Global Health, Bill & Melinda Gates Foundation

Development of Medical Technologies for the Developing World

Dr. Christopher J. Elias, M.D., M.P.H., President of PATH

Microfluidics and Engineering a New Doctor-Patient Interface

Professor Paul Yager, (UW, Bioengineering)

Unintended consequences

Professor Robert Bea, Department of Civil & Environmental Engineering, University of California, Berkeley

Biomedical Research in Space

Dr. Bonnie J. Dunbar, PhD, NAE

NASA Johnson Space Center, Assistant Director (University Research and Affairs)

To Tissue Engineer Heart Muscle

Professor Buddy D. Ratner¹, Margaret Allen², John Angello¹, Paul Bornstein¹, Kip Hauch¹, Stephen D Hauschka¹, Allan S. Hoffman¹, Charles Murry¹, Joan Sanders¹, Patrick Stayton¹, Robert Vernon², Kim Woodhouse³, ¹University of Washington, Seattle, WA 98195, ²Hope Heart Institute, Seattle, WA 98112, ³University of Toronto, Toronto, CA

Flying with Animals: Interfacing Computer Electronics and Biology

Professors Thomas L. Daniel (UW, Biology) and Chris Diorio (UW, CSE)

LIFE-ON-A-CHIP

Professors Mary Lidstrom (UW, Chemical Engineering) and Deirdre Meldrum (UW, Electrical Engineering), Co-Directors, Microscale Life Sciences Center, University of Washington

Automobile access to Kane Hall is best made by entering the Underground Garage on 15th Ave. NE and NE 41st street. Out of town guests can make reservations at the University Inn, 4240 Roosevelt Way NE, which is within about five blocks of Kane Hall. Ask for the UW Visitors Rate. Contact: 1-800-833-3855, <http://www.universityinnseattle.com>, (206) 632-5055.

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Organizing Committee: Bruce A. Finlayson and Edward D. Lazowska, Co-chairs
James B. Bassingthwaite, Akira Ishimaru, Albert S. Kobayashi, Irene C. Peden, Buddy D. Ratner,
Edward Wenk, Jr.