

Updated October 5, 2005



Launch Colloquium

Thursday, October 13, 2005

Boston Marriott Cambridge
2 Cambridge Center (Broadway and 3rd Street)
Cambridge, MA 02412
Phone: 617-494-6600

Map and Directions:

http://marriott.com/property/mapandnearbyairports/default.mi?marshaCode=boscb&WT_Ref=mi_left

7:45 – 8:30 AM

Registration, coffee, introductions

8:30 AM

Welcome Session and Introductory Remarks

Chairs:

Prof. R. Sasisekharan, Biological Engineering Division, MIT

Prof. D. Lauffenburger, Director, Biological Engineering Division, MIT

Prof. M. Gray

Co-Director, Harvard-MIT Division of Health Sciences and Technology

8:45 – 10:15 AM

Session 1: Multidisciplinary and Global interactions: technology, biomedicine and public health

Session Chairs:

Prof. L. Samson, Director, MIT Center for Environmental Health Sciences
Prof. M. Ruchirawat, Vice President, Chulabhorn Research Institute, Thailand
Prof. M. Gharib, Hans Liepmann Professor, Bioengineering Program, California Institute of Technology

- 8:45 AM – **Engineering/Biology/Disease Connections: Infectious Diseases – Multidisciplinary International Collaboration**
J. P. Mills, A. Micoulet and S. Suresh, MIT; C. T. Lim, K. Tan, National University of Singapore; M. Diez, S. G. Milon and P. David, Institut Pasteur, Paris; J. Spatz, Max-Planck Society/University of Heidelberg, Germany; T. Saif, U. Illinois.
- 9:15 AM - **Engineering/Biology/Disease Connections: Environmental Health, Cancer chemoprevention and possibilities for International Collaboration**
R. Sasisekharan and J. Essigmann, MIT; John Groopman and Tom Kensler, Johns Hopkins School of Public Health; D. Hunter, Harvard School of Public Health
- 9:45 AM - **Engineering/Biology/Disease Connections: Immunology – multi-institutional and multi-disciplinary interactions**
A. Chakraborty, M. Kardar, MIT; M. M. Davis, Stanford University Medical School; A. S. Shaw, P. Allen, Washington University Medical School; M. L. Dustin, New York University Medical School; D. Portnoy, University of California, Berkeley; A. Perelson, Los Alamos National Laboratory.

Session summary and brief remarks by session chairs

10:15 – 10:30 AM Coffee break

10:30 AM – Noon

Session 2: Breakout sessions and panel discussion

Panel I Nano- and Micro-mechanics in BioMedicine

Panel Moderators: Profs. J. Spatz University of Heidelberg/Max-Planck Society, Germany & S. Suresh, Material Science and Biological Engineering, MIT

Discussion leaders:

Prof. G. Bao, Dept. of Biomedical Engineering, Georgia Tech/Emory U.
Prof. L. Mahadevan, Division of Applied Sciences, Harvard University
Prof. P. Matsudaira, Whitehead Institute and Biology Dept, MIT
Prof. T. Saif, University of Illinois, Urbana-Champaign
Prof. C. T. Lim, National University of Singapore
Profs. M. Gharib and S. Fraser, California Institute of Technology

Panel II Engineering/Medicine/Public Health Interface

Panel Moderators: Profs. J. Essigmann & R. Sasisekharan, Division of Biological Engineering, MIT

Discussion leaders:

Prof. L. Samson, Center for Environmental Health Sciences, MIT
Prof. T. Kensler, Johns Hopkins School of Public Health
Prof. Skorn Mongkolsuk, Chulabhorn Research Institute, Thailand
Prof. B. Halliwell, Dept of Biochemistry, National University of Singapore
Dr. G. Milon, Institut Pasteur, Paris
Prof. D. Hunter, Harvard School of Public Health
Dr. N. Htun, Former UN Asst Sec General with UNEP & UNDP

Noon – 12:45 PM

Session 3: Panel Reports and Concluding Remarks

Panel I Nano- and Micro-mechanics in BioMedicine

Panel Moderators: Profs. J. Spatz University of Heidelberg/Max-Planck Society, Germany & S. Suresh, Material Science and Biological Engineering, MIT

Prof. G. Bao, Dept. of Biomedical Engineering, Georgia Tech/Emory U.
Prof. T. Saif, University of Illinois, Urbana, Champaign
Prof. M. Gharib, California Institute of Technology
Prof. L. Mahadevan, Harvard University

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Prof. L. Samson, Director, Center for Environmental Health Sciences, MIT
Prof. B. Halliwell, National University of Singapore
Prof. J. Groopman, Johns Hopkins School of Public Health
Prof. Nay Htun, Former UN Asst Sec General with UNEP & UNDP

12:45 PM – Adjournment