

BioInterface

Registration Information Program

Explore the creative solutions and technical challenges that BioInterface 2007 offers!

Please join us for the upcoming Bio-Interface 2007 Workshop and Symposium being held in San Mateo, California on October 29-31, 2007.

Highlights include the Excellence in Surface Science Award, Student Town Hall Meeting, a Student Poster Award competition and a lively debate session! As always, these events provide participants with great networking opportunities.

By popular demand, this year we return to the San Francisco Bay Area. Our workshop will focus on Surfaces in Three Dimensions. Our technical program will focus on Orthopedics to highlight important technologies. We have solid sessions in Nanotechnology, Tissue Engineering, Biofilms and Surface Characterization.

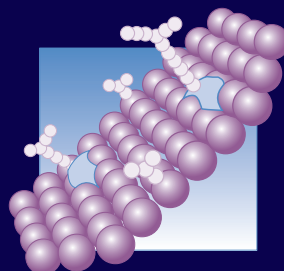
We once again host the popular Student Town Hall meeting where technical students can "meet the industry" during a luncheon. This Q&A plus networking session has been a successful introduction for students to industry perspectives over the past few years.

Please plan to attend this symposium. I am confident that you will be enriched by the science, by the Bay Area, by our debate session and by our unique blend of industry, academic, regulatory and clinical attendees.

For more information, please contact Ashley Crunstedt at ashleyc@ewald.com or call her at 651-203-7248. Also, you may visit our Web site at www.surfaces.org for updates.

— Carl Turnquist,
Genzyme Corporation
Program Chair

The Surfaces in Biomaterials Foundation presents one of the best technical conferences in 2006! Avoid the last minute rush! Discounted registration available until October 8, 2007.



Surfaces in
Biomaterials
Foundation

From the President

Welcome Professionals of the Surface Sciences

The annual BioInterface Symposium is our chance to meet and discuss important developments in our industry. The Surfaces in Biomaterials Foundation is dedicated to exploring creative solutions to technical challenges at the BioInterface by fostering education and multidisciplinary cooperation among industrial, academic, clinical, and regulatory communities.

Corporations and educational institutions with products or services relevant to industrial engineers, research

scientists, and academicians in the fields of biomaterials, and biomedical and diagnostic research come to this annual conference to network, learn, share information and enjoy the company of fellow professionals.

We hope your time at the 2007 BioInterface Symposium in San Mateo will stimulate your thinking and provide a valuable experience that you can utilize to advance your research.

Sincerely,

Vicky Carr-Brendel
President, Surfaces in Biomaterials Foundation

Keynote Speaker

Dr. James Anderson, Case-Western Reserve University

Topic: TBA



Dr. James Anderson received his Ph.D. at Oregon State University in 1967. In 1976, he gradu-

ated from the Case Western Reserve University School of Medicine with an M.D. degree and finished his Anatomic Pathology residency at the Institute of Pathology of University Hospitals of Cleveland in 1979. Following the completion of his residency, Dr. Anderson joined the faculty of the Institute of Pathology at Case Western Reserve University. Dr. Anderson has worked in the area of biomaterials, medical devices, and prostheses for the past 35 years and his current activities range from the clinical pathology evaluation of retrieved implants from humans to fun-

damental studies of cellular interactions with biomaterials.

He is a founding member of the Society for Biomaterials and the Controlled Release Society and serves as a consultant to the National Institutes of Health Artificial Heart Program, the Food and Drug Administration, and the International Standards Organization.

He is the Editor-in-Chief of the Journal of Biomedical Materials Research. In 2003, he was elected to the Institute of Medicine of the National Academies of Science.

He is the recipient of the 2006 Chugai Mentoring Award given by the American Society for Investigative Pathology to senior investigators who have distinguished their careers with a dedication to mentoring and education.

Monday, October 29, 2007

7:00 - 8:15 a.m. Pre-Registration and Breakfast

Workshop

Chair: *Dave Sogard, Boston Scientific*

Surfaces in Three Dimensions

8:15 - 8:30 a.m. Welcome and Introduction

8:30 - 9:15 a.m. Cell Cultures in 3-D
Jeff Ross, SurModics

9:15 - 10:00 a.m. Cell Biology with Focus on Cell-Surface Interactions
Jay Hoying, Cardiovascular Innovation Institute

10:00 - 10:30 a.m. Break

10:30 - 11:15 a.m. Characterization in 3-D
Steven Goodman, 10H Technology

11:15 a.m. - Noon Cell Forces on Their Environment
Prof. David Odde, University of Minnesota

Noon - 1:00 p.m. Lunch

1:00 - 1:45 p.m. Chemistry vs. Structure: Structure
Jim Brauker, Bruker Biotech

1:45 - 2:30 p.m. Chemistry vs. Structure: Chemistry
Stu Williams, Cardiovascular Innovation Institute

2:30 - 3:00 p.m. Break

3:00 - 3:45 p.m. Clinical Aspects of Device Healing
Speaker: TBD

3:45 - 4:45 p.m. Panel Discussion

4:45 - 5:00 p.m. Break

5:00 - 6:00 p.m. Applied Technology Workshops

6:00 - 6:30 p.m. Welcome Reception

6:30 - 7:30 p.m. Keynote: Jim Anderson, Case-Western University

Symposium (Please note: all times are proposed)

Tuesday, October 30, 2007

- 7:30 - 8:00 Registration and Breakfast
8:00 - 8:45 Student Poster Session
Susan Rea, Medtronic
8:00 - 8:45 Student Poster Session Judging (\$1,000 Prize)

Morning Sessions

- 9:15 - 10:45 Orthopedics - Metal/Ceramics
Chair, Larry Salvati, DePuy Orthopaedics
Invited Speaker: Jeremy Gilbert, University of Syracuse
10:45 - 11:00 Break
11:00 - 12:30 Point-Counterpoint Session: Antibiotic Prophylaxis
Moderator: Joe Chinn, SurModics
Panelists: Rabih Darouiche, M.D., VA-Houston; Michele Pearson M.D., Centers for Disease Control
12:30 - 1:45 Student Town Hall Meeting
Susan Rea, Medtronic
12:30 - 1:45 Luncheon
12:30 - 1:45 Surfaces in Biomaterials Foundation Business Meeting

Afternoon Sessions

- 1:45 - 3:15 Surface Characterization
Chair: Nicholas Randall, CSM
Invited Speaker: Dr. Andrea Slade, Veeco Instruments Inc.
3:15 - 3:45 Break
3:45 - 5:45 Tissue Engineering
Chair: Carl Turnquist, Genzyme
Invited Speaker: Art Coury, Genzyme

Exhibits

Wednesday, October 31, 2007

Morning Double Session

- 9:00 - Noon Biofilms, Biofouling and Biocidal Approaches
Chair: Aylvin Dias, DSM
Invited Speakers: Professor H. Busscher, Ned-

Wednesday, October 31, 2007

- erlands; Aylvin Dias, DSM, Netherlands; Gord Froehlich, Kane Biotech, Canada; Nicola Morris, BUI, United Kingdom; Val Ditizio, Covalon Technologies, Canada
9:00 - 9:30 Evaluation of Antimicrobial Surfaces in vitro and in vivo-validation of an In Vivo Imaging System
Prof. H. Busscher, NL
9:30 - 9:50 Anti-microbial Coatings for Urological Applications
Aylvin Dias, DSM
9:50 - 10:10 Open
Sri Madyastha, Kane Biotech
10:10 - 10:30 The Challenge of Developing Novel Materials for Indwelling Bladder Catheters
Nicola Morris, BUI
10:30 - 10:50 Break
11:15 - 12:15 Antimicrobial Activity of Novel Covalently-Grafted Coatings Containing Silver
Valerio DiTizio, Covalon Technologies
Noon - 1:30 Luncheon
Al Mann - Excellence in Surface Science Award
Alfred Mann Award Address
Student Poster Award Winner Presentation

Afternoon Sessions

- 1:30 - 3:00 Nanotechnology
Chair: Willieam Lee, AST Product
Invited Speaker: Jeff Morgan, Ph.D., Brown University, Providence, RI
3:00 - 3:30 Break
3:30 - 4:00 Biodegradable Polymers
Chair: Yen-Lane Chen, Boston Scientific
3:30 - 3:50 A New Family of Medical Device Polymers: Structural and Analytical Characterizations During Biodegradation
Joan Zeltinger, REVA

2007 Excellence in Surface Science Award



Mr. Mann is the Chairman of the Board of Trustees of The Alfred Mann Foundation, founded in 1985, and the Alfred Mann Institute for Biomedical Engineering at the University of Southern California. The Foundation and the Institute are non-profit research organizations devoted to development of advanced medical products in a variety of fields. Mr. Mann is also Chairman of the Southern California Biomedical Council and a Trustee of the University of Southern California.

Mr. Mann formally retired as CEO of Pacesetter in 1993 but continued to serve as Chairman Emeritus. Pacesetter Systems, Inc., now a St. Jude Medical company, develops, manufactures and distributes cardiac pace-makers worldwide.

Mr. Mann had also founded a business in microinfusion pumps that was acquired by Siemens Corporation.

Prior to his involvement in the medical device industry, Mr. Mann had also been founder and was President of Spectrolab of Sylmar, California, for 16 years. After a vigorous early growth, Spectrolab joined Textron, Inc. in 1960. Spectrolab became a world leader in photovoltaic

power systems, solar simulation, high intensity (airborne) illumination systems, optical thin films, etc. In 1960 Mr. Mann also founded and was President of Heliotek, which also became a Textron company. Heliotek, the world's leading supplier of solar cells and certain other special semiconductor devices, also produced high reliability batteries and optical coatings.

Before founding Spectrolab, Mr. Mann was a group supervisor at Technicolor Corporation, where he directed research and development in the fields of instrumentation, radiation damage, optical physics, multi-layer thin film vacuum deposition and digital and analog computer analysis.

In addition to his business activities, Mr. Mann has contributed significantly to numerous technical advances in medical devices, photovoltaic power conversion, illumination, radiometry, vacuum physics, thin-film optics and advanced methods of mathematical analysis. He holds numerous patents, with several pending, and has authored a number of scientific papers.

He is a graduate of the University of California at Los Angeles with extensive graduate work in nuclear and mathematical physics. Under Textron's sponsorship, Mr. Mann also attended an Advanced Management Program at the Harvard Business School.

Mr. Mann was born in 1925 in Portland, Oregon and has lived in Los Angeles since 1946. He has six children.

Posters

General and Student Research posters will be displayed during BioInterface 2007. Posters titles, including those of Student Award candidates will be included in the program book available at the conference.

To Submit an application to present a poster, visit www.surfaces.org or email your name, address, school/organization, phone, and poster topic to ashleyc@ewald.com.

A \$1,000 Student Poster Award will be presented to recognize excellence in student research.

All Poster Submissions include one free admission to the Symposium!

Board Members

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BioInterface 2007

Sponsors to Date

Diamond:

Opening Reception:

Point Counterpoint
Session:

Sponsorship opportunities still available! Go to www.surfaces.org for more details!

Exhibitors to Date

Evans Analytical Group

There are still opportunities available! Visit www.surfaces.org if you are interested in exhibiting.

Thank You, Program Committee

Carl Turnquist, Chair
Genzyme

Larry Salvati
DePuy Orthopaedics

Dave Sogard (Workshop
Chair)
Boston Scientific

Aylvin Dias
DSM

Joe Chinn
SurModics

Susan Rea
Medtronic

Yen-Lane Chen
Boston Scientific

William Lee
AST Products

Nicholas Randall
CSM

	Before 10/8/07	After 10/8/07
Workshop – Oct. 29 Only (Includes the entire workshop, lunch and breaks)		
Member	<input type="checkbox"/> \$195	<input type="checkbox"/> \$265
Non-Member	<input type="checkbox"/> \$255	<input type="checkbox"/> \$375
Student Member	<input type="checkbox"/> \$90	<input type="checkbox"/> \$160
Student Non-Member	<input type="checkbox"/> \$150	<input type="checkbox"/> \$220

	Before 10/8/07	After 10/8/07
Combined Workshop & Symposium – Oct. 29, 30 & 31 (Includes workshop and 2-day symposium, all meals, breaks, an evening reception and the rump session)		
Member Combined	<input type="checkbox"/> \$560	<input type="checkbox"/> \$660
Non-Member Combined	<input type="checkbox"/> \$680	<input type="checkbox"/> \$780
Student Member	<input type="checkbox"/> \$260	<input type="checkbox"/> \$360
Student Non-Member	<input type="checkbox"/> \$380	<input type="checkbox"/> \$480

	Before 10/8/07	After 10/8/07
Symposium – Oct. 30 & 31 Only (Includes the 2-day symposium, meals, breaks, an evening reception and the rump session)		
Member	<input type="checkbox"/> \$440	<input type="checkbox"/> \$510
Non-Member	<input type="checkbox"/> \$500	<input type="checkbox"/> \$570
Student Member	<input type="checkbox"/> \$245	<input type="checkbox"/> \$315
Student Non-Member	<input type="checkbox"/> \$305	<input type="checkbox"/> \$375

Membership – Join now and save on your Symposium registration. Visit www.surfaces.org/membership/index.cgi for complete member benefit information.

- | | |
|---|--|
| <input type="checkbox"/> Individual \$50 | <input type="checkbox"/> Academic \$625 |
| <input type="checkbox"/> Supporting \$2,500 | <input type="checkbox"/> Supporting \$2,000 (50 employees or less) |

TOTAL \$ _____

Registration – BioInterface 2007

Name _____
 Affiliation _____
 Department _____
 Address _____
 City _____
 State _____ Zip _____
 E-mail _____
 Phone _____ Fax _____
 ADA/Special Requests _____

Payment (Payment must accompany registration form to be processed)

- | | | | |
|--|-------------------------------------|-------------------------------|---|
| <input type="checkbox"/> Check (made payable to Surfaces in Biomaterials Foundation) | <input type="checkbox"/> MasterCard | <input type="checkbox"/> VISA | <input type="checkbox"/> American Express |
|--|-------------------------------------|-------------------------------|---|

Name (as it appears on card) _____
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Send to:
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 St. Paul, MN 55114
 Fax: 651-290-2266
www.surfaces.org
 Phone (651) 290-6267

(For office use only)

initials	fin.
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amt. paid	
bal. due	

Cancellation Policy: With written cancellation notice, received by Oct. 15, 2007 you will receive a full refund, less a \$50 administrative charge. Cancellations after Oct. 15, 2007 are non-refundable. Notices of cancellation must be faxed to the Surfaces in Biomaterials office at 651-290-2266. No shows will not receive refunds

About the Foundation

The Surfaces in Biomaterials Foundation provides a forum for the presentation of contributions to surface science. The Foundation's Academic and Supporting Members explore surface characterization and problem-solving techniques important in the manufacturing, development, and research of biomaterials and offer a strong, united voice within the community.

2007 Supporting Members

Angiotech Biocoatings Corporation

AST Products

Bacterin International, Inc.

Bausch & Lomb

Boston Scientific

CarboMedics

Carmeda

DePuy

DSM

Evans Analytical Group

Genzyme

Harland Medical Systems

Hysitron

Integument Technologies, Inc.

Medical Device Evaluation Center

Medtronic

Physical Electronics

Plasma Technologies

SurfaceSolution Labs, Inc.

SurModics

WL Gore & Associates

2006 Academic Members

University of Arizona

University of Minnesota

University of Washington

Our Mission...

The Surfaces in Biomaterials Foundation is dedicated to exploring creative solutions to technical challenges at the BioInterface by fostering education and multidisciplinary cooperation among industrial, academic, clinical, and regulatory communities.

Hotel Information



Marriott San Mateo / San Francisco Airport Hotel
1770 South Amphlett Boulevard
San Mateo, CA 94402
www.marriott-sanmateo.com

Conference attendees can receive the special reduced room rate of \$139 per night! For reservations, call 1-800-556-8972 and ask for the Surfaces in Biomaterials Foundation rate. Don't delay - **reservations must be made by November 12, 2006 in order to receive this special conference rate.** Extend your stay - this rate will be honored for reservations for November 29th through December 11th, 2006.

About the hotel:

Centrally located to both San Jose and downtown San Francisco, the San Mateo Marriott Hotel offers guests the prime setting:

- Ten minutes from San Francisco International Airport, with free hotel shuttle service provided
- Less than one half hour from San Jose International Airport
- Midway between San Francisco Airport and the Silicon Valley high-tech business center
- Less than 30 minutes from Golden Gate Bridge, Chinatown, Pier 39, Alcatraz, Union Square, Fisherman's Wharf and Half Moon Bay