

## Full Conference Schedule

### Thursday, June 12th

Time	Topic	Speaker
7:00 AM	Breakfast (outside Balcony B)	
8:00 AM	<b>The NIDCR: Supporting Dental and Craniofacial Research</b>	Lawrence A. Tabak Director National Institute of Dental and Craniofacial Research National Institutes of Health
8:15 AM	<b>Biomedical Informatics at the National Library of Medicine</b>	Donald Lindberg Director National Library of Medicine
8:30 AM	<b>Keynote Address: Informatics and Research</b>	Robert Ledley National Biomedical Research Foundation
9:30 AM	Break (outside Balcony B)	
9:45 AM	<b>Defining Biomedical Informatics and its Relationship to Dental Research and Practice</b>	Edward H. Shortliffe Professor and Chair Department of Biomedical Informatics College of Physicians and Surgeons Columbia University
10:30 AM	<b>Mining the Literature: Trends in Dental Research</b>	William C. Bartling Fellow Center for Biomedical Informatics

## Dental Informatics and Dental Research: Making the Connection

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
		University of Pittsburgh
11:00 AM	<b>Bioinformatics and Anticipated Developments in Dentistry</b>	<p>Isaac Kohane            Director            Informatics Program Children's Hospital            Associate Professor of Pediatrics            Harvard Medical School</p> <p>Winston Patrick Kuo            Biomedical Informatics Research Fellow            Department of Genetics            Harvard University</p>
11:30 AM	<b>Overview of Dental Informatics Research</b>	<p>Titus Schleyer            Associate Professor and Director            Center for Dental Informatics,            School of Dental Medicine            University of Pittsburgh</p> <p>Patricia Corby            Research Associate            School of Dental Medicine            University of Pittsburgh</p>
12:00 PM	Lunch (Cafeteria, Atlanta and Boston Rooms)	
1:15 PM	<b>Decision Support at the Point of Care: Challenges in Knowledge Representation, Management, and Patient-specific Access</b>	<p>Robert Greenes            Professor            Radiology and Health Science &amp; Technology (Harvard Medical School)            Health Policy &amp; Management (Harvard School of Public Health)</p>
1:45 PM - 4:30 PM	Breakout sessions	

## Dental Informatics and Dental Research: Making the Connection

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
	Breakout session 1: Basic Research in Dentistry (Room C1/C2 Lower Level)	
1:45 PM	<b>Informatics Challenges in Tissue Engineering and Biomaterials</b>	Dianne Rekow Director of Translational Research Division of Biological Science, Medicine and Surgery College of Dentistry New York University
2:15 PM	<b>Data Mining in Proteomics and Genomics Research</b>	Kandasamy Krishnaraju National Institute of Dental and Craniofacial Research
2:45 PM	Break (outside Balcony B)	
3:00 PM	<b>Genetic and Molecular Characterization of a Dental Pathogen Using Genome-Wide Approaches</b>	Luis A. Actis Associate Professor Department of Microbiology Miami University
3:30 PM	<b>Spectrophotometric Analysis and Comparison of Two Ceramic Materials</b>	Varun Singh Barath Doctoral Candidate Department of Prosthetic Dentistry Institute for Genetics of the University of Cologne
	Breakout session 2: Clinical Research in Dentistry	

## Dental Informatics and Dental Research: Making the Connection

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
	(Room G1/G2 Lower Level)	
1:45 PM	<b>Current Research Issues in Periodontology</b>	Marjorie Jeffcoat Professor and Chairman Department of Periodontics University of Alabama, Birmingham
2:15 PM	<b>Clinical Research in Biomaterials</b>	Kenneth Anusavice Professor and Chair Dental Biomaterials University of Florida
2:45 PM	Break (outside Balcony B)	
3:00 PM	<b>Dental Data Mining: Practical Issues and Potential Pitfalls</b>	Stuart Gansky Assistant Professor Preventive and Restorative Dental Sciences University of California, San Francisco
3:30 PM	<b>Decision-supporting Web-agents in Dentistry: Middleware to support Discussion among Experts, Practitioners, and Patients</b>	Ekkehard Finkeissen University of Heidelberg

Breakout session 3: Behavioral  
and Public Health Research

## Dental Informatics and Dental Research: Making the Connection

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
	(Room H Lower Level)	
1:45 PM	<b>Health Services Research</b>	Howard Bailit Professor Emeritus and Director Health Policy Center University of Connecticut Health Center
2:15 PM	<b>Using Information Technology to Improve the Dental Health Care System</b>	Kathryn A. Atchison Professor and Associate Dean for Research & Knowledge Management School of Dentistry University of California, Los Angeles
2:45 PM	Break (outside Balcony B)	
3:00 PM	<b>The Role of Dental Informatics in the Patient-Dentist Relationship</b>	Michael Kirshner Postdoctoral Fellow School of Public Health and Preventive Medicine Oregon Health & Science University Kaiser Permanente Center for Health Research
3:30 PM	<b>Designing Clinically Useful Systems: Examples from Medicine and Dentistry</b>	Sabine Koch Department of Medical Sciences, Medical Informatics and Engineering Uppsala University, Uppsala, Sweden

Breakout session 4: Education in  
Informatics

## Dental Informatics and Dental Research: Making the Connection

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
	(Room J Lower Level)	
1:45 PM	<b>Biomedical Informatics Training for Dental Researchers</b>	Lynn Johnson Director Office of Dental Informatics University of Michigan
2:15 PM	<b>Issues and Strategies for Faculty Development</b>	Michelle A. Robinson Assistant Professor of Dental Public Health and Director of Informatics Informatics Department Marquette University School of Dentistry
2:45 PM	Break (outside Balcony B)	
3:00 PM	<b>Adaptive Hypermedia: A New Paradigm for Educational Software</b>	Heiko Spallek Assistant Professor Center for Dental Informatics School of Dental Medicine University of Pittsburgh
3:30 PM	<b>Doing the Right Things with Technology in Dental Education</b>	Charles Friedman Professor of Medicine and Director of the Center for Biomedical Informatics University of Pittsburgh
4:00 PM	Summary Discussion	
4:30 PM	Adjournment	
7:00 PM	Cocktail Reception (7:00 PM) Dinner (8:00 PM)  <i>complimentary parking</i> <i>Metro stop: Friendship Heights</i>	Ristorante Terrazza 2 Wisconsin Circle Chevy Chase, MD 20815 301-951-9292

**Friday, June 13th**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
8:00 AM	Breakout group reports (15 minutes per report)	
9:00 AM	<b>Computational Models of Oral and Craniofacial Development, Growth and Repair</b>	Peter Hammond Professor and Head of Biomedical Informatics Unit Eastman Dental Institute of Oral Health Care Sciences University College London
9:45 AM	Break (outside Balcony B)	
10:00 AM	<b>Methods and Tools in Biomedical Informatics</b>	John Zimmerman Assistant Dean, Associate Professor School of Dental and Oral Surgery, Interdisciplinary College of Physicians and Surgeons, Biomedical Informatics Columbia University
10:30 AM	<b>Digital Imaging in Dentistry: Applications and Research Challenges</b>	Brent Dove Professor, Dental Diagnostic Sciences University of Texas Health Science Center San Antonio, Texas
11:00 AM	<b>Standards in Dental Informatics</b>	Robert H. Ahlstrom Associate Clinical Professor & Private Practice Restorative Dentistry University of the Pacific
11:30 AM	<b>Biomedical Machine Learning</b>	Marco Ramoni Assistant Professor Children's Hospital Informatics Program Harvard Medical School

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<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
12:00 PM	Lunch (Cafeteria, Atlanta and Boston Rooms)	
1:30 PM	<b>The Real-time Outbreak and Disease Surveillance System (RODS)</b>	Jeremy Espino Fellow Center for Biomedical Informatics University of Pittsburgh
2:00 PM	<b>Grand Challenges in Dental Informatics</b>	Dean Sittig Director Clinical Informatics Research Network, Northwest Permanente and Center for Health Research Kaiser Permanente
2:45 PM	Break (outside Balcony B)	
3:00 PM	<b>Panel Discussion: Strategic Issues in Supporting Dental Research with Informatics</b>	
4:30 PM	Adjournment	