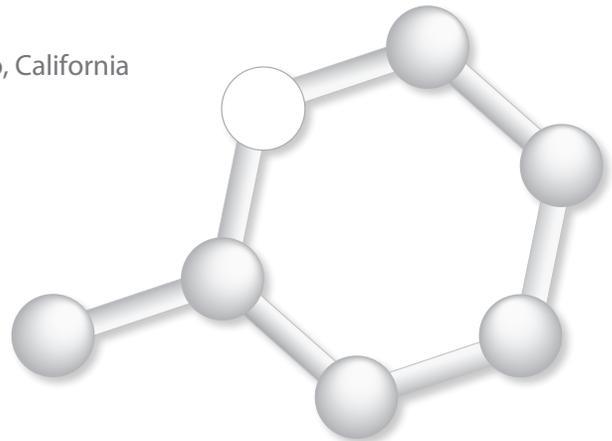


PRE-MEETING WORKSHOPS AGENDA

THURSDAY, NOVEMBER 11, 2010

Workshop A: The New Bundled World— Monitoring Diabetes Following Hospital Discharge

- 08:00 Moderators:
 John Ryan, MBA
 Onsent Ventures, Menlo Park, California
 Charlene Quinn, RN, PhD
 University of Maryland, School of Medicine, Baltimore, Maryland
- 08:05 Panel 1: Reimbursement
 Edward Dougherty, MS, MA
 B&D Consulting, LLC, Washington, District of Columbia
 Thomas Foels, MD, MMM
 Independent Health Association, Williamsville, New York
 Jay Shubrook, DO, FCOFP, FAAFP
 Ohio University, Athens, Ohio
 Judy Chen, MD
 IMS Health, Woodland Hills, California
- 09:10 Q & A
- 09:20 Panel 2: Information Technology for Recently Discharged Patients
 Patricia Sokol, RN, JD
 Institute for Healthcare Improvement, Cambridge, Massachusetts
 Chris Mannasseh, MD
 Boston University, Boston, Massachusetts
 Kathleen Dungan, MD
 Ohio State University, Columbus, Ohio
- 10:25 Q & A
- 10:35 Break
- 11:00 Panel 3: Telemonitoring for Recently Discharged Patients
 Jim Callaghan, MT (ASCP)
 U.S. Food and Drug Administration, Silver Spring, Maryland
 Joseph Smith, MD, PhD
 West Wireless Health Institute, La Jolla, California
 Karen Gilberg, MD, FRCP(C)
 Robert Bosch Healthcare, Inc., Palo Alto, California
- 12:05 Q & A
- 12:15 End of workshop/Lunch



PRE-MEETING WORKSHOPS AGENDA

THURSDAY, NOVEMBER 11, 2010

Workshop B: Advances in Continuous Glucose Monitoring

Subcutaneous

- 08:10 Moderators:
COL Robert A. Vigersky, MD
Walter Reed Army Medical Center, Washington, District of Columbia
Dariush Elahi, PhD
Johns Hopkins University, Baltimore, Maryland
- 08:05 Role of Vascular Networks in Sensor Function in Vivo
Ulrike Klueh, PhD
University of Connecticut, Farmington, Connecticut
- 08:25 A New Generation Continuous Glucose Monitor Sensor
Rajiv Shah, MS
Medtronic Diabetes, Northridge, California
- 08:45 Innovations in Continuous Glucose Monitoring Technology
Peter Simpson, ME
DexCom, Inc., San Diego, California
- 09:05 Continuous Glucose Monitoring in the Intensive Care Unit
Heather Pidcocke, MD, MS
United States Army Institute of Surgical Research, Fort Sam Houston, Texas
- 09:25 Q & A and Panel Discussion
- 09:50 Break

Intravenous

- 10:15 Moderators:
Riccardo Bellazzi, PhD
University of Pavia, Pavia, Italy
Gerold Grodsky, PhD
University of California, San Francisco, San Francisco, California
- 10:20 The Need for Continuous Glucose Monitoring Following Pancreatic Surgery
Kimberly Kirkwood, MD
University of California, San Francisco, San Francisco, California
- 10:40 Intravenous Hospital Sensors
Courtney Harper, PhD
U.S. Food and Drug Administration, Silver Spring, Maryland
- 11:00 Intravenous Continuous Glucose Monitoring Will Become Standard-of-Care in the Hospital
Jeffrey Joseph, DO
Thomas Jefferson University, Philadelphia, Pennsylvania
- 11:20 Continuous Glucose Monitoring in the Hospital
Michael Higgins, MA
Edwards Lifesciences, LLC, Irvine, California
- 11:40 Q & A and Panel Discussion
- 12:10 Summary
- 12:15 End of workshop/Lunch

PRE-MEETING WORKSHOPS AGENDA

THURSDAY, NOVEMBER 11, 2010

Workshop C: New Ideas for Blood Glucose Monitoring

Academic Panel

- 13:15 Moderators:
 Patricia Beaston, MD, PhD
 Office of in Vitro Diagnostic Device Evaluation and Safety
 U.S. Food and Drug Administration, Silver Spring, Maryland

 Kong Chen, PhD
 National Institutes of Health, Bethesda, Maryland
- 13:20 Sticking with Safety: Eliminating Bloodborne Pathogen Risks during Blood Glucose Monitoring
 Joseph Perz, DrPH, MA
 Centers for Disease Control and Prevention, Atlanta, Georgia
- 13:40 The Future of Lancing Devices
 Lutz Heinemann, PhD
 Profil Insitute, Neuss, Germany
- 14:00 Accuracy of Glucose Meters: Are Standards Adequate for Optimal Patient Care?
 David Sacks, MD
 Harvard University, Cambridge, Massachusetts
- 14:20 Using Telehealth to Support Self-Monitoring-of-Blood-Glucose-Guided Intensification of Medication in
 Non-Insulin-Treated Patients with Diabetes
 Andrew Farmer, MA, DM, BM, BCh, FRCGP
 University of Oxford, Oxford, United Kingdom
- 14:40 When Blood Glucose Monitoring Is Personally Meaningful: A New Approach for Patients with Type 2 Diabetes
 William Polonsky, PhD, CDE
 University of California, San Diego, San Diego, California
- 15:00 Q & A and Panel Discussion
- 15:20 Break

Industry Panel

- 15:45 Moderators:
 Robert Burk, MD
 Albert Einstein College of Medicine, New York, New York

 Christine Kelley, PhD
 National Institutes of Health, Bethesda, Maryland
- 15:50 Accuracy Metrics for Assessing Blood Glucose Monitors
 Scott Pardo, PhD
 Bayer HealthCare, LLC, Tarrytown, New York
- 16:05 Self-Monitoring of Blood Glucose in Patients with Diabetes: Mode of Action and the Consequences
 Matthias Axel Schweitzer, MD, MBA
 Roche Diagnostics GmbH, Mannheim, Germany
- 16:20 Improving Patient and Provider Utilization of Blood Glucose Monitoring Data
 David Horwitz, MD, PhD
 LifeScan, Inc., Milpitas, California

PRE-MEETING WORKSHOPS AGENDA

THURSDAY, NOVEMBER 11, 2010

- 16:35 Designing a Blood Glucose Monitoring System to Meet New Needs for Accuracy and Ease of Use
 Ronald Ng, PhD, DABCC, FACB
 Abbott Diabetes Care, Alameda, California
- 16:50 Automatic All-in-One Blood Glucose Monitoring
 Ron Nagar, MSc
 InsuLine Medical Ltd., Petach Tikva, Israel
- 17:05 Q & A and Panel Discussion
- 17:30 End of workshop
- 17:30–20:00 DTM Reception and Poster Presentation
- 20:00–22:00 Posters remain on display for viewing

Workshop D: Insulin Pump Safety and Security

Clinical Panel

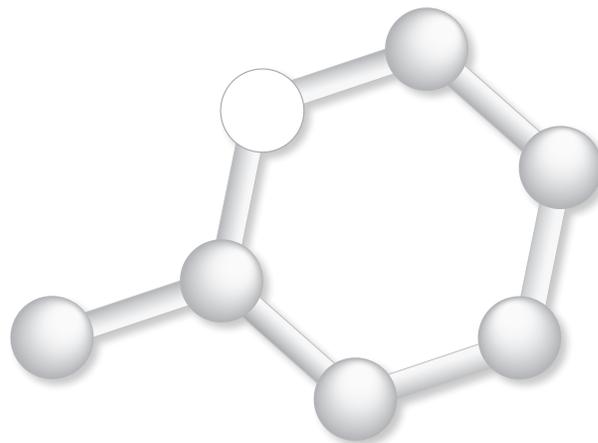
- 13:15 Moderators:
 Dorian Liepmann, PhD
 University of California, Berkeley, Berkeley, California
 Carol Herman, RN
 Center for Devices and Radiological Health
 U.S. Food and Drug Administration, Silver Spring, Maryland
- 13:20 The Algorithm of Insulin Programming for Continuous Subcutaneous Insulin Infusion:
 The Warsaw Pump Therapy School
 Ewa Pánkowska, MD, PhD
 Medical Academy in Warsaw, Warsaw, Poland
- 13:40 Recognition and Management of Clinical Risks Associated with Insulin Pump Therapy
 Lori Laffel, MD, MPH
 Joslin Diabetes Center, Harvard University, Boston, Massachusetts
- 14:00 Insulin Pump Shut-Off for Hypoglycemia
 Pratik Choudhary, MD, MBBS, MRCP
 King's College London, London, England
- 14:20 Regulatory Considerations for Insulin Pump Safety and Security
 Paul Jones, MSCE, CDP, CSQE
 U.S. Food and Drug Administration, Silver Spring, Maryland
- 14:40 Mitigating Security Solutions for Attacks on Insulin Pump Systems
 Nathanael Paul, PhD
 Oak Ridge National Laboratory, Oak Ridge, Tennessee
- 15:00 Security and Privacy for Wireless Personal Medical Devices: Experimental Results, Challenges,
 and New Directions
 Tadayoshi Kohno, PhD
 University of Washington, Seattle, Washington
- 15:20 Q & A and Panel Discussion

PRE-MEETING WORKSHOPS AGENDA

THURSDAY, NOVEMBER 11, 2010

Technical Panel

- 15:45 Moderators:
 Athanasios Sambanis, PhD
 Georgia Institute of Technology, Atlanta, Georgia
 Jan Wojcicki, PhD, DSc
 Institute of Biocybernetics, Warsaw, Poland
- 15:50 Bolus Calculators in Insulin Pumps to Promote Safety
 Ofer Yodfat, MD
 Medingo, LTD, Yoqneam Illit, Israel
- 16:10 Between Pumps and Pens
 Jim Peterson, MBA
 Ce Qur SA, Montreux, Switzerland
- 16:30 Microelectromechanical Systems: A New Benchmark for Insulin Pumps
 Frédéric Neftel, MD
 Debiotech S.A., Lausanne, Switzerland
- 16:50 Insulin Pump Safety for Type 2 Diabetes
 Poul Strange, MD, PhD
 Integrated Medical Development, Bridgewater, New Jersey
- 17:10 Q & A and Panel Discussion
- 17:30 End of workshop
- 17:30–20:00 DTM Reception and Poster Presentation
- 20:00–22:00 Posters remain on display for viewing



DIABETES TECHNOLOGY MEETING AGENDA

FRIDAY, NOVEMBER 12, 2010

07:00 Continental Breakfast

Session I: Technologies for Metabolic Monitoring

- 08:00 Welcoming Remarks
COL Karl Friedl, PhD
U.S. Army, Telemedicine and Advanced Technology Research Center, Fort Detrick, Maryland
- 08:05 Introduction
David Klonoff, MD, FACP
Mills-Peninsula Health Services, San Mateo, California;
University of California, San Francisco, San Francisco, California
- 08:10 Moderators:
Bruce Buckingham, MD
Stanford University, Palo Alto, California
Darrell Wilson, MD
Stanford University, Palo Alto, California
- 08:15 Keynote Address: Glucose Testing in the Clinical Setting—Risks and Responsibilities
Alberto Gutierrez, PhD
U.S. Food and Drug Administration, Silver Spring, Maryland
- 08:35 Measuring Hyperglycemia and Hypoglycemia with Noninvasive Near-Infrared Spectroscopy
Mark Arnold, PhD
University of Iowa, Iowa City, Iowa
- 08:55 Performance of Wearable Raman Spectrometer for Noninvasive Glucose Measurement
Rudy Hofmeister, PhD
C8 MediSensors, Inc., Los Gatos, California
- 09:15 High Accuracy of Continuous Glucose Monitoring in Children Susceptible to Critical Illness Hyperglycemia
Mark Rigby, MD, PhD
Emory University, Atlanta, Georgia
- 09:35 Presentation of JDRF Student Research Award
- 09:55 Q & A and Panel Discussion
- 10:15 End of session/Break

Session II: Biomarkers

- 10:40 Moderator:
COL Carl Castro, PhD
U.S. Army, Fort Detrick, Maryland
- 10:45 Individual Risk Assessment and Personalized Diabetes Treatment by Means of Laboratory Biomarkers
Andreas Pfützner, MD, PhD
IKFE Institute for Clinical Research, Mainz, Germany
- 11:05 O-GlcNAcylation as a Diagnostic for Pre-Diabetes?
Ronald Copeland, PhD
Johns Hopkins University, Baltimore, Maryland
- 11:25 Noninvasive Detection of Diabetes-Induced Retinal Metabolic Stress
Victor Elnor, MD, PhD
University of Michigan, Ann Arbor, Michigan
- 11:45 Gut-Microbiota-Based Biomarkers to Prevent Metabolic Syndrome via Nutritional Modulation
Liping Zhao, PhD
Shanghai Jiao Tong University, Shanghai, China
- 12:05 Q & A and Panel Discussion
- 12:25 End of session/Lunch

DIABETES TECHNOLOGY MEETING AGENDA

FRIDAY, NOVEMBER 12, 2010

Session III: Artificial Pancreas

- 13:25 Moderators:
Jeffrey Joseph, DO
Thomas Jefferson University
Philadelphia, Pennsylvania
Marc Torjman, PhD
University of Medicine and Dentistry of New Jersey
Camden, New Jersey
- 13:30 Presentation of Artificial Pancreas Research Award
- 13:35 Engineering and Clinical Standards for Closed-Loop Control of Diabetes
Boris Kovatchev, PhD
University of Virginia, Charlottesville, Virginia
- 13:55 Performance of Closed-Loop Systems: What Are the Goals and How Do We Reach Them?
Eric Renard, MD, PhD
Hospital Lapeyronie, Montpellier, France
- 14:15 The Design of Control Algorithms for the Artificial Pancreas That Yield Robust Performance and Are Safe for the Patient
Francis Doyle III, PhD
University of California, Santa Barbara, Santa Barbara, California
- 14:35 Decision Support for Glycemic Control in the Hospital
Martin Ellmerer, PhD
B. Braun Melsungen AG, Maria Enzersdorf, Austria
- 14:55 Q & A and Panel Discussion
- 15:15 End of session/Break

Session IV: What Is Holding Us Back and What Can Be Done?

- 15:40 Moderators:
Jeffrey Joseph, DO
Thomas Jefferson University
Philadelphia, Pennsylvania
Marc Torjman, PhD
University of Medicine and Dentistry of New Jersey
Camden, New Jersey
- 15:45 Better Sensors
Jens Christensen, MD, DMSc, FRCPI
Aarhus University Hospital, Aarhus, Denmark
- 15:55 Closed-Loop Control: What Is Holding Us Back and What Can Be Done? Better Insulin Kinetics
Stuart Weinzimer, MD
Yale University, New Haven, Connecticut
- 16:05 Better Hormones
Steven Russell MD, PhD
Massachusetts General Hospital Diabetes Center, Boston, Massachusetts
- 16:15 Better Algorithms
Claudio Cobelli, PhD
University of Padova, Padova, Italy
- 16:25 What Went Wrong? The Importance of Better Human Factors
J. Geoffrey Chase, PhD
University of Canterbury, Christchurch, New Zealand
- 16:35 Better Systems: Building an Artificial Pancreas (Autonomous) System
Charles Zimlik, PhD
U.S. Food And Drug Administration, Silver Spring, Maryland
- 16:45 Panel Discussion
- 17:05 Q & A
- 17:25 End of session
- 17:30–20:00 DTM Reception and Poster Presentation
- 20:00–22:00 Posters remain on display for viewing

DIABETES TECHNOLOGY MEETING AGENDA

SATURDAY, NOVEMBER 13, 2010

07:00 Continental Breakfast

Session V: Novel Formulations of Insulin and Metabolic Peptides—Long Acting

- 08:00 Presentation of Diabetes Technology Leadership Award
David Klonoff, MD, FACP
Mills-Peninsula Health Services, San Mateo, California;
University of California, San Francisco, San Francisco, California
- 08:05 Moderators:
Thomas Forst, MD Howard Wolpert, MD
University of Mainz Joslin Diabetes Center, Harvard University
Mainz, Germany Boston, Massachusetts
- 08:10 Re-Engineering Insulin: Can We Improve on Mother Nature?
Alexander Fleming, MD
Kinexum, Harpers Ferry, West Virginia
- 08:30 Reformulation Properties of Exenatide: Once Weekly
Christopher Rhodes, PhD
Amylin Pharmaceuticals, Inc., San Diego, California
- 08:50 FT-105, A Long-Acting Basal Insulin, Offers Improved Pharmacokinetic and Pharmacodynamic Profiles Compared with Lantus®
You-Ping Chan, PhD
Flamel Technologies, Vénissieux, France
- 09:10 Novel Insulin Analogs
Michael Weiss, MD, PhD
Case Western Reserve University, Cleveland, Ohio
- 09:30 Q & A and Panel Discussion
- 09:50 End of session/Break

Session VI: Novel Formulations of Insulin and Metabolic Peptides—Rapid Acting

- 10:15 Moderator:
Howard Zisser, MD
Sansum Diabetes Research Institute, Santa Barbara, California
- 10:20 Mechanism of Action, Clinical Safety, and Efficacy of Recombinant Human Hyaluronidase (rHuPH20) Co-Administration with Current Prandial Insulin Formulations
Douglas Muchmore, MD
Halozyme Therapeutics, San Diego, California
- 10:40 The Importance of Insulin Pharmacokinetics in Closed-Loop Control
Edward Damiano, PhD
Boston University, Boston, Massachusetts
- 11:00 The Development of the Gen2 Inhaler for Afrezza: Bioequivalence Based upon the Systemic Delivery of Insulin via the Lungs
Mark Marino, MD
MannKind Corporation, Paramus, New Jersey
- 11:20 The Evolution of Pen and Needle Development
Timothy Bailey, MD, FACE, CPI
AMCR Institute Inc., Escondido, California
- 11:40 Novel Glucagon Formulations
W. Kenneth Ward, MD
Oregon Health and Science University, Portland, Oregon
- 12:00 Q & A and Panel Discussion
- 12:20 End of session/Lunch

DIABETES TECHNOLOGY MEETING AGENDA

SATURDAY, NOVEMBER 13, 2010

Session VII: Telemedicine for Diabetes

- 13:20 Moderators
COL Ron Poropatich, MD
U.S. Army, Telemedicine and Advanced Technology Research Center, Fort Detrick, Maryland
John Pickup, MD, PhD
Guy's Hospital, London, England
- 13:25 E-, I-, or M-Health? Blurring Boundaries between Provider-and Patient-Centered Management
Stephanie Fonda, PhD
Walter Reed Army Medical Center, Washington, District of Columbia
- 13:45 Technology to Go: Evolving the Next Generation of Telemedicine
Suzanne Boren, PhD, MHA
University of Missouri, Columbia, Missouri
- 14:05 Numeracy and Literacy: The Elephants in the Diabetes Technology Room
David Kerr, MD
Bournemouth Diabetes and Endocrine Centre, Bournemouth, United Kingdom
- 14:25 Designing Mobile Diabetes Applications: Challenges and Opportunities
Eirik Årsand, PhD
University Hospital of North Norway, Tromsø, Norway
- 14:45 Q & A and Panel Discussion
- 15:05 End of session/Break

Session VIII: Improving Adherence to Therapy

- 15:30 Moderator:
John Pickup, MD, PhD
Guy's Hospital, London, England
- 15:35 A Mechanism for Nonadherence in Teenagers?
Gérard Reach, MD
Hospital Avicenne, Bobigny, France
- 15:55 Assessing and Encouraging Device Adherence in Diabetes Management
Jennifer Block, RN, CDE
Stanford University, Palo Alto, California
- 16:15 Assessing Medication Adherence for Newly Prescribed Therapy
Andrew Karter, PhD
Kaiser Permanente, Oakland, California
- 16:35 The Med-STEP Study: Medication Self-Titration and Evaluation Program
Richard Grant, MD, MPH
Massachusetts General Hospital, Boston, Massachusetts
- 16:55 End of session

Session IX: Live Demonstration

- 16:55 Moderator
John Pickup, MD, PhD
Guy's Hospital, London, England
- 17:00 Mobile Phones for Remote Monitoring: Applications for Cardiovascular Disease Including Diabetes
K. Mani Chandu, PhD
California Institute of Technology
Pasadena, California
- Danny Petrusek, MD, PhD
California Institute of Technology
Pasadena, California
- 17:20 End of meeting