

International Conference on Diabetes & Metabolism

13-14 December 2010 Santa Clara, USA

PROGRAMME

13-14 December



13 December

Salons A-C

Opening Ceremony: 09:00 – 10:00

Keynote Forum: 10:00-11:00

Track 1-1 (11:15-13:25): Artificial Pancreas

Lunch at Salon A-C 12:00 - 13:00

Track 1-2 (13:25–15:15): Diabetes Mellitus: Treatment & Preventions

Track 1-3 (15:30 – 17:20): New Insulin delivery systems: Inhaled, Transderma, Implanted Devices

Meeting Room-2

Track 1-4 (11:15-14:05): Glycemic Control and Blood Glucose Monitoring in the Hospital

Lunch at Salon A-C 12:00-13:00

Track 2-1 (14:05-16:30): Diabetes – Advances in Diagnosis & Treatment

Track 2-2 (16:30–18:00): Case Management Studies

Conference Dinner at Seattle-Portland 19:00-21:00

14 December

Salons A-C

Track 3-1(09:00-10:10): Diabetes: Clinical Case Reports and New Biomarkers under Development

Track 3-2 (10:25-11:35): Diabetes: Clinical Trials and New Drugs under Development

Track 3-3 (11:35-13:45): Macro Vascular Complications: Coronary Artery Diseases, Cardiomyopathy, and Stroke

Lunch at Salons A-C 12:00 - 13:00

Track 3-4 (13:45-17:00): Micro Vascular Complications: Retinopathy, Neuropathy and Nephropathy

13-12-2010

Salons A-C

Opening Ceremony

09:00-09:20: Group Photo-1/Prayer

09:20-09:30: Chair's Opening Remark

09:30-10:00: VIP's Address

Keynote Forum

10:00-10:20: Dr. Mark T. Marino, MannKind Corporation, USA

10:20-10:40: Dr. Naila Rabbani, University of Warwick, U.K.

10:40-11:00: Dr. Jason K. Kim, University of Massachusetts Medical School, USA

Coffee Break: 11:00-11:15

Track 1-1: Artificial Pancreas

11:15-11:20: Session Introduction

11:20-11:40: **Title:** Incremental Steps toward the Commercialization of the Closed-Loop Artificial Pancreas
Dr. Barry Keenan, Medtronic Diabetes, USA

11:40-12:00: **Title:** Continuous postoperative blood glucose monitoring and control by artificial pancreas in patients having hepatic, pancreatic or esophageal resection
Dr. Hiroyuki Kitagawa, Kochi Medical School, Japan

Lunch at Salons A-C 12:00-13:00

13:00-13:20: **Title:** Macroencapsulation of pancreatic islets with novel designed amphiphilic membranes: progress and perspectives

Dr. Sharon Grundfest-Broniatowski, Cleveland Clinic, USA

13:20-13:25: Panel Discussion

Track 1-2: Diabetes Mellitus: Treatment & Preventions

13:25-13:30: Session Introduction

13:30-13:50: **Title:** A New Polygenic Mouse Model of Diabetes for Identifying Potential Drug Targets to Treat Diabetes and its Complications

Dr. Jason K. Kim, University of Massachusetts Medical School, USA

13:50-14:10: **Title:** Adding Oral Diabetes Agents to Insulin in Patients with Insulin Resistance

Dr. Candis M. Morello, University of California, USA

14:10-14:30: **Title:** PEGylation in development of exenatide analogs for the treatment of type II diabetes

Dr. Yong Xiang Wang, Shanghai Jiao Tong University, China

14:30-14:50: **Title:** Lessons from the ADVANCE trial: how to improve T2 Diabetes prognosis

Dr. Pavel Hamet, Université de Montréal, Canada

14:50-15:10: **Title:** In vitro evidence for associations between hepatitis C virus infection and diabetes Mellitus
Dr. Saeed Taheri, Dr. Taheri Medical Research Group, Iran

15:10-15:15: Panel Discussion

Coffee Break: 15:15-15:30

Track 1-3: New Insulin delivery systems: Inhaled, Transderma, Implanted Devices

15:30-15:35: Session Introduction

15:35-15:55: **Title:** The Development of the Gen2 Afrezza™ inhaler using clinical and in-vitro data, from design to bio-equivalence
Dr. Mark T. Marino, MannKind Corporation, USA

15:55-16:15: **Title:** Challenges in oral delivery of insulin
Dr. Yellela Sri Rama Krishnaiah, Nova Southeastern University, USA

16:15-16:35: **Title:** PSMD9 Linkage Studies in T2D-associated phenotypes
Dr. Claudia Gragnoli, Penn State University, USA

16:35-16:55: **Title:** Efficacy assessment of the Superporous Hydrogel (SPH) polymer-based oral insulin delivery systems on plasma glucose in patients with type 1 diabetes
Dr. S Sajad M Salehimonfared, Temple University Hospital, USA

16:55-17:15: **Title:** Novel Oral Drug Delivery Technologies the Prospects and potential advantages of an Oral Insulin and GLP-1 and Analogs
Dr. Ehud Arbib, Oramed Pharmaceuticals, Israel

17:15-17:20: Panel Discussion

Meeting Room-2

Track 1-4: Glycemic Control and Blood Glucose Monitoring in the Hospital

11:15-11:20: Session Introduction

11:20-11:40: Title: Multi-analyte Infrared Spectroscopy for Continuous Patient Blood Monitoring Replacing Electrochemical Enzyme-based Biosensors

Dr. H.M. Heise, University of Applied Sciences of South-Westphalia, Germany

11:40-12:00: Title: Management of Hypoglycemic Disorders in the Diabetic Elderly

Dr. K. Alagiakrishnan, University of Alberta, Canada

Lunch at Salons A-C 12:00-13:00

13:00-13:20: Title: Prevalence of Undiagnosed Type 2 Diabetes & Pre-Diabetes Conditions in Patients Visiting Dental Clinics

Dr. Ali Saad Ali AlGhamdi, King Abdulaziz University, Saudi Arabia

13:20-13:40: Title: New Treatment Strategy for Early Diabetic Macular Edema using Subthreshold Micropulse Diode Laser Photocoagulation

Dr. Kishiko Ohkoshi, St. Luke's International Hospital, Japan

13:40-14:00: Title: Cineole exhibits a protective effect from oxidation of lipoprotein anti-inflammatory activity and anti-diabetic effect in hypercholesterolemic zebrafish

Dr. Kyung-Hyun Cho, Yeungnam University Gyeongsan, Korea

14:00-14:05: Panel Discussion

Track 2-1: Diabetes – Advances in Diagnosis & Treatment

14:05-14:10: SESSION INTRODUCTION

14:10-14:30: Title: How to Identify Biomarkers of Heart Disease and Diabetes and Reduce Risk with Lifestyle Changes

Dr. Sanjay Kapur, ZRT Laboratory, USA

14:30-14:50: Title: A₁ Adenosine Receptor Partial Agonists as anti-lipolytic agents and their therapeutic potential in insulin resistance and Diabetes.

Dr. Arvinder Dhalla, Director at Gilead Sciences, USA

14:50-15:10: Title: Blending tradition with technology: the Indian model

Dr. GR Sridhar, Research Society for the Study of Diabetes, India

15:10-15:30: Title: Vasodilators are effective in enhancing peritubular capillary flow and restoring renal function in early stage of diabetic nephropathy

Dr. Narisa Futrakul, Chulalongkorn University, Thailand

Coffee Break: 15:30-15:45

15:45-16:05: Title: Silent myocardial ischemia in diabetic patients: screening, diagnosis and early anti-ischemic pharmacotherapy

Dr. M. Abbasi, Tehran University of Medical Sciences, Iran

16:05-16:25: Title: Selenium and Type 2 Diabetes: insight from a population highly exposed

Dr. Marie-Ludivine Chateau-Degat, Laval University QC, Canada

16:25-16:30: Panel Discussion

Track 2-2: Case Management Studies

16:30-16:35: SESSION INTRODUCTION

16:35-16:55: Title: A Novel Strategy to Sustain Human Islets Survival and Function In Vitro and In Vivo

Dr. LuGuang Luo, Boston University, USA

16:55-17:15: Title: Endocannabinoid regulation of skeletal muscle metabolism - is it still a target for obesity and diabetes?

Dr. Andrew J McAinch, Victoria University, Australia

17:15-17:35: Title: Metabolic syndrome and obesity during menopausal transition in women; is there a difference between menopause and geripause

Dr. Teodora Beljic Zivkovic, Clinic for Endocrinology Clinical Hospital Centre Zvezdara, Serbia

17:35-17:55: Title: The Bidirectional Relationship between Periodontal Diseases and Diabetes

Dr. Ali Saad Ali AlGhamdi, King Abdulaziz University, Saudi Arabia

17:55-18:00: Panel Discussion

14-12-2010

Salons A-C

Track 3-1: Diabetes: Clinical Trials and New Biomarkers under Development

9:00-9:05: SESSION INTRODUCTION

9:05-9:25: Title: Optical Coherence Tomography: a diagnostic modality of potential benefit in evaluating novel biomarkers for diabetic retinopathy

Dr. Delia Cabrera DeBuc, University of Miami Miller School of Medicine, USA

9:25-9:45: Title: Autoimmune or non-autoimmune diabetes? What T cell studies can tell us?

Dr. Heba Ismail, University of Cairo, Egypt

9:45-10:05: Title: Effects of the prescription drug coinsurance on health service utilization and avoidable hospitalization among older adults with diabetes mellitus: A population-based study
Dr. Shang-Jyh Chiou, Asia University, Taiwan

10:05-10:10: Panel Discussion

Coffee Break: 10:10-10:25

Track 3-2: Diabetes: Clinical Trials and New Drugs under Development

10:25-10:30: SESSION INTRODUCTION

10:30-10:50: Title: EyePACS - Adapting Telemedicine for Diabetic Retinopathy Screening in Primary Diabetes Care Settings
Dr. Jorge Cuadros, University of California, USA

10:50-11:10: Title: Antihyperlipidemic Activity of 3-Hydroxymethyl Xylitol, a Novel Antidiabetic Compound Isolated from Casearia esculenta (Roxb.) Root, in Streptozotocin-Diabetic Rats
Dr. Govindasamy Chandramohan, King Saud University, Saudi Arabia

11:10-11:30: Title: Development of a Long-acting C-peptide
Dr. James Callaway, Cebix Incorporated, USA

11:30-11:35: Panel Discussion

Track 3-3: Macro Vascular Complications: Coronary Artery Diseases, Cardiomyopathy, and Stroke

11:35-11:40: SESSION INTRODUCTION

11:40-12:00: Title: Protein damage-based biomarkers for metabolic control, risk of vascular complications and therapeutic monitoring in diabetes
Dr. Naila Rabbani, University of Warwick, UK

Lunch at Salons A-C 12:00-13:00

13:00-13:20: Title: The link between Diabetes and Dementia
Dr. K. Alagiakrishnan, University of Alberta, Canada

13:20-13:40: Title: Attenuation of diabetic cardiomyopathy using small molecule activators of aldehyde dehydrogenase
Dr. Daria Mochly-Rosen, Stanford University, USA

13:40-13:45: Panel Discussion

Track 3-4: Micro Vascular Complications: Retinopathy, Neuropathy and Nephropathy

13:45-13:50: SESSION INTRODUCTION

13:50-14:10: Title: Neurologic Impairments in Mice Subjected to Reduced GLUT1 in Embryogenesis Mimicking the Effect of Maternal Diabetes
Dr. Charles W. Heilig, University of Florida College of Medicine, USA

14:10-14:30: Title: Metabolic memory of glycaemic control and its impact on risks of complications, prognosis, pathogenesis and design of clinical trials
Dr. Marcus Lind, University of Gothenburg, Sweden

14:30-14:50: Title: Therapeutic Strategies for the Treatment of Diabetic Complications
Dr. Veeranjanyulu Addepalli, SPTM, NMIMS, India

Coffee Break: 14:50-15:15

15:15-15:35: Title: Mechanism of Regulation of Laser Induced Choroidal Neovascularisation by Tumstatin a Peptide derived from Extracellular Matrix
Dr. Sudhakar Akulapalli, Boys Town National Research Hospital, USA

15:35-15:55: Title: Microvascular complications : New therapies for retinopathy, neuropathy and nephropathy
Dr. Kushwin Rajamani, University of Sydney, Australia

15:55-16:15: Title: The Effect of Fasting Plasma Glucose Variability on the Long-term Risk of Retinopathy in Type 2 Diabetic Patients
Dr. Toshiko Takao, Asahi-Life Foundation, Japan

16:15-16:35: Title: C2GNT in Retinopathy: Journey from Lab to Clinical Application
Dr. Rakesh Chibber, Peninsula College of Medicine and Dentistry, UK

16:35-16:55: Title: Modulation of glucose transporters GLUT2 and SGLT2 in kidney of diabetic and diabetic rats insulin or phlorizin treated: participation of HNF-1 α and HNF-3 β transcription factors

Dr. Helayne Soares de, São Paulo University, Brazil

16:55-17:00: Panel Discussion

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