# Programme

**Friday December 4, 2015**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:00-19:00</td>
<td>Registration <em>(Outside Point Grey Room – 3rd Floor)</em></td>
</tr>
<tr>
<td>17:00-20:00</td>
<td>Welcome Reception <em>Point Grey Room – 3rd Floor</em></td>
</tr>
</tbody>
</table>

**Saturday December 5, 2015**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:00-17:00</td>
<td>Registration <em>(Outside Pinnacle Ballroom – 3rd Floor)</em></td>
</tr>
</tbody>
</table>

**Pinnacle Ballroom – 3rd Floor**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 08:00-08:30 | Welcome Address  
Dr. Ronald Ma, IDEG President  
Dr. Jeffrey Johnson, Chair, Local Organizing Committee |
| 08:30-09:15 | Plenary Session 1: Evolution of the Diabetes Epidemic in Indigenous populations  
*Prof. Stewart Harris, Canada*  
*Chair: Dr Jeff Johnson*  
- Understand the evolution of the diabetes epidemic in Indigenous populations  
- Understand the impact of diabetes on the health of Indigenous peoples  
- Review strategies to improve chronic disease management and diabetes care in Indigenous communities |
| 09:15-10:45 | Oral Abstract Session 1 (10 min presentation with 5 min questions)  
*Chairs: Drs. Ayesha Motala*  
1. GENOME-WIDE ASSOCIATION STUDY IDENTIFIES NOVEL LOCI ASSOCIATED WITH CORONARY HEART DISEASE IN CHINESE SUBJECTS WITH TYPE 2 DIABETES Ronald Ma  
2. IMPACT OF GESTATIONAL DIABETES MELLITUS AND MATERNAL MENTAL ILLNESS ON THE DEVELOPMENT OF DIABETES, HYPERTENSION AND CARDIOVASCULAR DISEASE Qendresa Beka  
3. METFORMIN, ASIAN ETHNICITY AND RISK OF PROSTATE CANCER IN TYPE 2 DIABETES: A SYSTEMATIC REVIEW AND META-ANALYSIS Christopher Chen  
4. THE ASSOCIATION BETWEEN PRIMARY CARE PHYSICIAN VOLUMES AND QUALITY OF DIABETES CARE Andrew Cheung  
5. THE MAJORITY OF AMERICANS DO NOT MEET DIABETES PREVENTION GOALS Karen Siegel  
| 10:45-11:00 | Morning Refreshment Break |

**Shaughnessy Salon – 3rd Floor**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 11:00-12:30 | Audio Poster Session: 12 Posters @ 5 mins each *(3 min presentation, 2 questions)*  
*Chair: Dr Jeff Johnson & Associate Prof. Dianna Magliano*  
1. AN EFFICIENT APPROACH FOR SURVEILLANCE OF CHILDHOOD DIABETES Victor W. Zhong  
2. DEMOGRAPHIC CHANGES IN THE BURDEN OF DIABETES AND CANCER IN DENMARK Bendix Carstensen  
3. DIABETES AMONG FOREIGN VERSUS NATIVE BLACKS IN THE UNITED STATES Samrawit Yisahak  
4. INCIDENCE AND PREVALENCE OF CHILDHOOD-ONSET TYPE 1 DIABETES IN JAPAN: THE T1D STUDY Yoshika Onda  
5. SENSITIVITY ANALYSIS OF THE GLOBAL DIABETES PREVALENCE ESTIMATE IN THE IDF DIABETES ATLAS Katherine Ogurtsova  
6. TEMPORAL CHANGES IN CARDIOVASCULAR RISK FACTOR MANAGEMENT AND OUTCOME IN ADULTS WITH TYPE 1 DIABETES: THE FREMANTLE DIABETES STUDY Timothy Davis  
7. ASSOCIATIONS OF PENTADECANOIC ACID, A BIOMARKER OF DAIRY INTAKE, WITH BODY COMPOSITION: THE INSULIN RESISTANCE ATHEROSCLEROSIS STUDY (IRAS) Ingrid Dominique Santaren  
8. DAIRY INTAKE AND THE METABOLIC SYNDROME IN BRAZILIAN ADULTS FROM THE LONGITUDINAL STUDY OF ADULT HEALTH (ELSA-BRASIL) Michele Drehmer  
9. GESTATIONAL DIABETES SCREENING GUIDELINES FAILING RURAL WOMEN: AUDIT OF ANTENATAL SCREENING IN WESTERN AUSTRALIA Julia Marley  
10. GESTATIONAL WEIGHT GAIN IS ASSOCIATED WITH SHORT AND LONG-TERM CHILD HEALTH OUTCOMES IN CHINESE: AN ANALYSIS USING STRUCTURAL EQUATION MODELING Claudia Tam  
11. TIMING AND TYPE OF ALCOHOL CONSUMPTION, AND THE METABOLIC SYNDROME - ELSA-BRASIL Maria Inés Schmidt  
12. VALIDATION OF CLINICAL AND ADMINISTRATIVE CASE DEFINITIONS FOR GESTATIONAL DIABETES MELLITUS AGAINST LABORATORY DATA IN ALBERTA, CANADA Samantha Bowker and Padma Kaul |
14th Symposium of the International Diabetes Epidemiology Group
December 5-6, 2015       Marriott Pinnacle Downtown Hotel, Vancouver, Canada

Programme

12:30-13:15 Lunch Break

Pinnacle Ballroom – 3rd Floor
13:15-14:00 Plenary Session 2: Diabetes and Non-Traditional Risk Factors and Associations
   Associate Prof. Dianna Magliano, Australia
   Chair: Prof Ronald Ma
   • Provide an overview of the epidemiological evidence relating environmental toxicants and pollutants and diabetes
   • Highlight gaps and flaws in the evidence

14:00-15:30 Oral Abstract Session
   Chairs: Drs. Jeff Johnson and Anthony Hanley
   1. ASSOCIATION OF LIFECOURSE SOCIOECONOMIC POSITION WITH INCIDENT TYPE 2 DIABETES AMONG AFRICAN AMERICANS - THE JACKSON HEART STUDY Gloria Beckles
   2. PHENOTYPIC VARIATIONS IN PREDIABETES IN ASIAN INDIANS Unjali Gujral
   3. APOLIPOPROTEIN C-III, HDL WITH APOLIPOPROTEIN C-III, AND RISK OF DIABETES: THE MULTI-ETHNIC STUDY OF ATHEROSCLEROSIS Sarah Aroner
   4. SERUM PHOSPHOLIPID (PL) FATTY ACID COMPOSITION PREDICTS DECLINES IN INSULIN SENSITIVITY (IS) AND BETA-CELL FUNCTION OVER 6-YEARS IN THE PROSPECTIVE METABOLISM AND ISLET CELL EVALUATION PROMISE) COHORT Luke Johnston
   5. INCREASING MATERNAL AGE IS A MAJOR CONTRIBUTOR OF HIGHER PREVALENCE OF GESTATIONAL DIABETES IN CHINESE-CANADIANS Roseanne Yeung
   6. EXAMINING THE RELATIONSHIP BETWEEN GESTATIONAL DIABETES MELLITUS AND MATERNAL MENTAL ILLNESS Qendresa Beka

15:30-15:45 Afternoon Refreshment Break

15:45-16:45 Peter Bennett Award and Lecture:
   Prof. Juliana Chan, Hong Kong
   Chair: Prof Ronald Ma
   • Use the principles of epidemiology to understand the complexity and multicausality of diabetes and its comorbidities
   • Understand the interactions between modifiable and non-modifiable factors in determining clinical outcomes
   • Use management principles to translate evidence to clinical practice to reduce disease burden with ongoing evaluation

16:45-18:00 IDEG Business Meeting

18:30-20:30 Symposium Dinner (Advance ticket purchase required with registration)
   The Italian Kitchen (1037 Alberni St.)

Sunday December 6, 2015
07:00-17:00 Registration (Outside Pinnacle Ballroom – 3rd Floor)

Pinnacle Ballroom – 3rd Floor
08:30-09:15 Plenary Session 3: Ethnicity and diabetes
   Dr. Sarah Wild, UK
   Chair: Dr. Shazhan Amed
   • Describe the association between ethnicity and diabetes and its complications
   • Understand some of the challenges of providing equitable approaches to primary and secondary prevention of diabetes

09:15-10:15 Harry Keen Memorial Award and Lecture
   Prof. Paul Franks, Sweden
   Chair: Dr. Paul Zimmet
   • Convey the principles of gene-environment interaction modeling, overview of the evidence
   • Convey the principles of stratified medicine, overview of the evidence

10:15-10:30 Morning Refreshment Break
Programme

10:30-12:00 Oral Abstract Session 3: Chairs: Drs. Ed Gregg and Matt Cooper
1. PREDICTION OF FIRST CARDIOVASCULAR DISEASE EVENT IN TYPE 1 DIABETES: THE STENO T1 RISK ENGINE Marit Eika Jørgensen
2. ALBUMIN EXCRETION RATE (AER) HAS A NONLINEAR ASSOCIATION WITH CORONARY ARTERY DISEASE (CAD) MORTALITY IN TYPE 1 DIABETES (T1D): THE PITTSBURGH EPIDEMIOLOGY OF DIABETES COMPLICATIONS (EDC) STUDY Rachel Miller
3. AGE AT MENOPAUSE IN WOMEN WITH TYPE 1 DIABETES AND RELATIONSHIP WITH DIABETES COMPLICATIONS Trevor Orchard
4. ESTIMATION OF THE AGE-SPECIFIC PREVALENCE OF TYPE 1 DIABETES FROM INCIDENCE DATA: A FEASIBILITY STUDY BASED ON DATA FROM THE SEARCH STUDY Ralph Brinks
5. LIFE EXPECTANCY OF PEOPLE WITH TYPE 1 DIABETES IN 1997-2010: A NATIONAL AUSTRALIAN REGISTRY-BASED COHORT STUDY Dianna Magliano
6. GLYCAEMIC CONTROL IN CHILDREN AND ADOLESCENCE WITH TYPE 1 DIABETES: CHARACTERISING THE RISE DURING ADOLESCENCE Matthew Cooper

12:00-12:30 Lunch Break

Shaughnessy Salon – 3rd Floor
12:30-13:45 Audio Poster Session: 12 Posters @ 5 mins each (3 min presentation, 2 questions)
Chair: Dr. Dianna Magliano and Dr. Jonathan Shaw
1. BARRIERS TO PHYSICAL ACTIVITY AMONG ADULT NIGERIANS WITH TYPE 2 DIABETES: THE ROLES OF SOCIAL SUPPORT AND SELF-EFFICACY Opeyemi Idowu
2. BRAZILIAN PRIMARY CARE PHYSICIANS KNOWLEDGE ABOUT MODIFIABLE RISK FACTORS IN TYPE 2 DIABETES Michele Drehmer
3. DEPRESSIVE SYMPTOMS PREDICT NON-ADHERENCE TO EXERCISE-BASED REHABILITATION FOR PARTICIPANTS WITH TYPE 2 DIABETES Walter Swardfager
4. EXPOSURE TO FAMINE IN EARLY LIFE AND RISK OF METABOLIC SYNDROME IN ADULTHOOD: EVIDENCE FROM THE 1959-1961 CHINESE FAMINE Feng Ning
5. GENDER DIFFERENCE IN CARDIOMETABOLIC RISKS PROFILE IN TYPE 2 DIABETIC PATIENTS AT THE OBAFEMI AWOLOWO TEACHING HOSPITAL, ILE-IFE OSIN STATE NIGERIA Adenike Enikuomehin
6. INTERVENTION DOSE AND HEALTH-RELATED QUALITY OF LIFE IN A COLLABORATIVE CARE INTERVENTION FOR PATIENTS WITH DIABETES AND DEPRESSION Anna Mladenovic
7. RELATIONSHIP BETWEEN PHYSICAL ACTIVITY AND HEALTH-RELATED QUALITY OF LIFE IN ALBERTA’S TYPE 2 DIABETES POPULATION Danielle Thiel
8. CHALLENGES TO HYPOGLYCEMIA MANAGEMENT: THE INHYPO-DM PATIENT SURVEY Alexandrina Ratzki-Leewing
9. GLYCAEMIC AND OTHER TREATMENT GOALS ATTAINMENT IN PATIENT WITH TYPE 2 DIABETES MELLITUS AT THE OBAFEMI AWOLOWO UNIVERSITY TEACHING HOSPITAL, ILE-IFE SOUTH WEST NIGERIA Adenike Enikuomehin
10. USING GLYCAEMIC CONTROL TO SIMPLIFY DIABETES SCREENING IN REMOTE ABORIGINAL AUSTRALIAN HEALTH CARE SETTINGS Julia Marley
11. OVERNIGHT FASTING AND CANCER RISK Jessica Harding
12. TIME-VARYING RISK OF BREAST CANCER FOLLOWING INITIATION OF GLUCOSE-LOWERING THERAPY IN TYPE 2 DIABETES: EXPLORING DETECTION BIAS Samantha Bowker

Pinnacle Ballroom – 3rd Floor
Chair: Drs. Ed Boyko and Bruce Duncan
1. IMPACT OF AGE AT DIAGNOSIS ON THE RISK OF MORTALITY AMONG PATIENTS WITH TYPE 2 DIABETES IN AUSTRALIA: 2000-2010 Fanny Rancière
2. DIFFERENCES IN ABSOLUTE AND RELATIVE RISKS FOR CVD MORTALITY AMONG VARIOUS LOW AND HIGH RISK GROUPS: EXPLORING THE PHENOMENON Jessica Harding
3. MODIFYING EFFECT OF BODY MASS INDEX ON SURVIVAL IN ELDERLY TYPE 2 DIABETIC PATIENTS – HONG KONG DIABETES REGISTRY Kathy Cheung
4. INDIVIDUAL- VS. COMMUNITY-LEVEL DIABETES PREVENTION: WHICH APPROACH IS MORE EFFECTIVE FOR WEIGHT LOSS IN THE REAL WORLD? Karla Galaviz
5. DO LIFESTYLE INTERVENTIONS TO PREVENT DIABETES IN REAL-WORLD SETTINGS REDUCE FASTING BLOOD GLUCOSE GLOBALLY? Karla Galaviz
6. MODELLING THE EFFECTIVENESS OF TYPE 2 DIABETES PREVENTION STRATEGIES IN THE USA Christopher Tait

15:15-15:45 Afternoon Refreshment Break
15:45-16:30  Plenary Session 4: Diabetes and the built environment
Dr. Gillian Booth, Canada
Chair: Dr. Dianna Magliano
- To share key research findings on the relationship between the built environment and diabetes
- To discuss methodological challenges in assessing causality in relation to built environment exposures and diabetes risk

16:30-17:00  Three-Minute Thesis Competition (Judges: Drs. Ed Gregg, Baiju Shah, Kaberi Dasgupta, Ayesha Motala)

17:00  Announcement of Winner of Young Investigator Award and Winner of Thesis Competition
Time for evaluations - IDEG Meeting Closure

17:00-20:00  Reception for Training Day Participants and Speakers
Shaughnessy Salon – 3rd Floor
Programme

Sunday December 6, 2015
Trainee Day Reception

17:00-20:00  Reception for Training Day Participants and Speakers

Shaughnessy Salon – 3rd Floor

Monday December 7, 2015
Trainee Day

08:00-09:00  Registration
09:00-09:15  Welcome & Course Overview

Point Grey Room – 3rd Floor

09:15-10:45  Workshop 1: Concurrent Sessions

Basic Stream – Fundamental concepts of epidemiology (incidence, prevalence, bias, rate ratios, statistical concepts)
Dr. Edward Boyko, USA
Associate Prof. Dianna Magliano, Australia

Point Grey Room – 3rd Floor

- The Basic Stream will introduce participants to fundamental concepts of importance to epidemiologic research and the understanding of the epidemiology literature.

Advanced Stream – Advanced concepts of epidemiology (demography, survival analysis, longitudinal research)
Dr. Bendix Carstensen, Denmark
Dr. Edward Gregg, USA

Point Grey Room – 3rd Floor

- Give an insight in dynamics of diabetes and cancer occurrence in the population
- Introduce demographic methods in diabetes epidemiology
- Describe key concepts in application of epidemiology for population surveillance, monitoring, and public health decision making
- Describe essential measurements in in Diabetes Epidemiology
- Describe structure of Systems and study design in surveillance and monitoring.

10:45-11:05  Morning Refreshment Break

11:05-12:35  Workshop 2: Concurrent Sessions

Basic Stream  – Basic epidemiologic methods, diabetes epidemiology, fundamentals of critical evidence review, group exercise
Dr. Edward Boyko & Associate Prof. Dianna Magliano

Point Grey Room – 3rd Floor

Advanced Stream  – Advanced epidemiologic methods
Dr. Bendix Carstensen & Dr. Edward Gregg

Pinnacle III – 3rd Floor

12:35-13:30  Lunch Break

All afternoon sessions in the Point Grey Room – 3rd Floor

13:30-14:00  Session 1: Pharmacoepidemiology

Dr. Jeffrey Johnson, Canada

- Recognize advantages and disadvantages of pharmacoepi (observational) studies and RCT.
- Discuss major challenges with pharmacoepidemiologic studies
- Introduce some potential remedies for those challenges.
Programme

14:00-14:15  Q&A Discussion

14:15-14:45  Session 2: Epidemiology of Pediatric Diabetes  
Dr. Shazhan Amed, Canada  
- Describe epidemiological trends of type 1 and type 2 diabetes in children and youth.  
- Summarize approaches to quantifying incidence and prevalence rates of type 1 and type 2 diabetes in children & youth.

14:45-15:00  Q&A Discussion

15:00-15:30  Afternoon Refreshment Break

15:30-16:00  Session 3: Clinical Research (Randomized Trials)  
Associate Prof. Jonathan Shaw, Australia  
- Understand the strengths and limitations of the major types of clinical trials in diabetes.

16:00-16:15  Q&A Discussion

16:15-17:00  Panel Discussion: Planning for Your Future in Research  
(Writing Grants, Fellowships, Translating Research)  
Dr. Dina Panagiotopulos & Dr. Peter Bennett, USA  
- To answer trainees questions regarding planning for their future in a career in research  
- To discuss challenges in balancing clinical work with research  
- The participant will be aware of the career choices available in diabetes epidemiology, and of the pathways to achieve these.  
- The participant will become aware of many of the resources available to enable attainment of career goals in epidemiology.

17:00-17:30  Q&A and Closing Remarks  
Moderated by Dr. Tibor V. Varga, Sweden

17:30  Course Closure