INVITED SPEAKER SEMINAR

From Discovery to the Clinic:

Quantitative Methods in Precision Medicine

About the lecture

Discovering a therapeutic drug and developing it through successful clinical trials and registration is highly complex and fraught with very large risk of failure. Dr Handzel will describe a method that addresses some core statistical challenges by leveraging correlation information in experimental data. He will further introduce a quantitative framework they have developed to strategically evaluate the strength of drug development programmes, including the potential need for companion diagnostic biomarkers.

Speaker: **Dr. Amir Handzel**
Associate Director Bioinformatics, Translational and Clinical Sciences Oncology

Host: **Prof David M. Epstein**
Associate Dean, Office of Research, Duke-NUS Graduate Medical School,

Date: Monday, 3 June 2013

Time: 12.00PM – 1.00PM
(Light refreshments will be served at 11.30am)

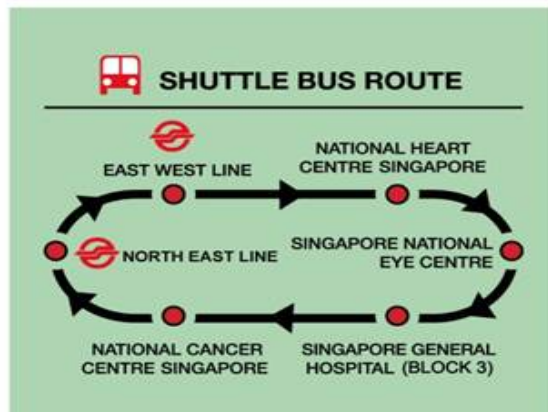**Venue:** Duke-NUS Graduate Medical School, Amphitheatre, Level 02

Contact: Ms Shanti Rajaram, Duke-NUS Graduate Medical School
Tel: 65167266 or Email: shanti.rajaram@duke-nus.edu.sg

About the Speaker

Dr. Handzel is a seasoned quantitative scientist with experience that includes a decade in the biotechnology and pharmaceutical industry. He holds B.Sc. and M.Sc. degrees in physics and a Ph.D. in applied mathematics. Most recently Dr. Handzel has been leading the Bioinformatics group at OSI Pharmaceuticals. His interests range from applied research of mathematical methods to realising their potential benefit to society through commercialisation.

DUKE NUS
GRADUATE MEDICAL SCHOOL SINGAPORE

OUTRAM MRT

OUTRAM ROAD

CTE

AYE

DEPT OF FORENSIC MEDICINE (MORTUARY)

ALUMNI MEDICAL CENTRE

BLOCK 9

PATHOLOGY

HEALTH SCIENCES AUTHORITY (HSA)

HEALTH PROMOTION BOARD (HPB)

NATIONAL DENTAL CENTRE SINGAPORE

SGH PATHOLOGY BUILDING

NATIONAL HEART CENTRE SINGAPORE

I

SECOND HOSPITAL AVENUE

HOUSEMEN'S CANTEEN

G

SINGAPORE NATIONAL EYE CENTRE

BOWYER BLOCK

SGH LIFE CENTRE

BLOCK 8

FIRST HOSPITAL DRIVE

OUTRAM MRT

DUKE-NUS GRADUATE MEDICAL SCHOOL

TAXI

BLOCK 7

SGH MUSEUM (CLOCK TOWER)

C

NATIONAL CANCER CENTRE SINGAPORE

THIRD HOSPITAL AVENUE

B

NEW BRIDGE ROAD BUS TERMINAL

MINISTRY OF HEALTH

BLOCK 6

TAXI

EU TONG SENG ST

NEW BRIDGE RD

COLLEGE ROAD

SGH

BLOCK 5

BLOCK 4

SPOTTISWOODE PARK RD

NEIL ROAD

BLOCK 3

BLOCK 2

TAXI

D

KAMPONG BAHRU ROAD

MULTI-STOREY CARPARK

BLOCK 1

A & E

TAXI

HOSPITAL DRIVE

BLOCK C

FORMER SCHOOL OF NURSING

BLOCK B

EVERTON ROAD

E

PERITONEAL DIALYSIS CENTRE

BLOCK A

SHUTTLE BUS ROUTE

EAST WEST LINE

NATIONAL HEART CENTRE SINGAPORE

NORTH EAST LINE

SINGAPORE NATIONAL EYE CENTRE

NATIONAL CANCER CENTRE SINGAPORE

SINGAPORE GENERAL HOSPITAL (BLOCK 3)

LEGEND

TAXI — TAXI STAND

CAR PARK

DROP-OFF POINT FOR A&E PATIENTS ONLY

SHUTTLE BUS

BUS STOP