

**Global Center of Excellence at Kobe University  
presents  
a Special Seminar-series 16**

**“The role of insulin gene in diabetes”**

**Friday, December 18, 2009**

**17:15**

***Shinryoku Hall***

*a seminar by:*

**Graeme I. Bell, Ph.D.**

Louis Block Distinguished Service Professor  
of Medicine and Human Genetics

Director, Diabetes Research and Training Center  
The University of Chicago

International Visiting Professor

Kobe University Graduate School of Medicine



Professor Graeme Bell was the first to clone the full-length cDNA and the chromosomal gene encoding human insulin. These discoveries opened the way for the production of human insulin and its large-scale use in patients with diabetes mellitus. His early application of the techniques of molecular biology led to the cloning and characterization of many genes that are key to modern diabetes research including insulin, glucagon, IGF-I, and many others. Prof. Bell has made landmark contributions to our understanding of the genetic basis of diabetes. His most significant discoveries in this area have put him at the forefront in elucidating genes causing monogenetic forms of diabetes especially maturity onset diabetes of the young (MODY). Recently, he has also identified over 20 mutations, and established the insulin gene as the second most common cause of permanent neonatal diabetes as well as an uncommon cause of Type 1B and MODY. He has over 380 peer-reviewed publications. These have been of enormous impact of his work as shown by the fact that his papers have been cited over 42,000 times and that 114 papers have been cited over 100 times. In recognition of his work Prof. Bell has received a number of important honors and awards including the American Diabetes Association Award for Outstanding Scientific Achievement, the Banting Memorial Lecture -British Diabetic Association, etc.

Presented by: Global Center of Excellence for Education and Research  
on Signal Transduction Medicine in the Coming Generation

Further information: **Ms. Mayumi Maruyama**  
TEL: 078-382-5200/E-mail: gcoestm@med.kobe-u.ac.jp

Hosted by: **Dr. Susumu Seino**  
Divisions of Cellular and Molecular Medicine/  
Diabetes, Metabolism and Endocrinology (Ext. 5860)