C-Peptide and the Pathophysiology of Microvascular Complications of Diabetes

MONDAY SEPTEMBER 14th, 2015

Nobel Forum, Karolinska Institutet, Stockholm

Chair: John Wahren

09:00 Welcome
Bengt Fagrell, Journal of Internal Medicine, Stockholm, Sweden

09:05 GPCR and Peptide Hormones – An Overview
Dan Larhammar, Uppsala University, Uppsala, Sweden

09:35 GPR146 in C-peptide Signaling
Grant Kolar, Saint Louis University, MO, USA

10:05 C-peptide and Insulin in the Retinal Pigment Epithelium: Receptor Interactions and Implications for Signaling
Gina Yosten, Saint Louis University, MO, USA

10:35 Coffee break

Chair: Alexander Chibalin

11:00 The Elusive C-peptide Receptor – Approaches to its Definition
Round Table Discussion, all speakers

12:00 Lunch

Chair: Nigel Brunskill

13:00 C-peptide inhibition of transglutaminase 2 in preventing diabetic complications.
Kwon-Soo Ha, Kangwon National University, Chuncheon, Korea

13:30 Pancreatic Beta Cell Biology and C-peptide
Peter Drain, University of Pittsburgh, PA, USA

14:00 Autocrine C-peptide Protects Beta Cells from FFA-induced Oxidative Stress at Peroxisomes via PPARγ Mediated Mechanisms
Patrizia Luppi, University of Pittsburgh, PA, USA

14:30 Coffee break
Chair: Kwon-Soo Ha

15:00  
**C-peptide and Amelioration of Septic and Hemorrhagic Shock**  
Basilia Zingarelli, University of Cincinatti, Ohio, USA

15:30  
**The Ratio of C-peptide to Insulin: a Delicate Balance in Red Blood Cell Physiology**  
Jennifer Richards, Saint Louis University, MO, USA

16:00  
**C-peptide and Renal Tubular Damage in Diabetic Nephropathy**  
Nigel Brunskill, Leicester University, Leicester, UK

16:25  
**C-peptide and Early Glomerular Abnormalities in Diabetes**  
Hiroshi Nakamoto, Kawasaki Medical School, Kurashiki, Okayama, Japan

16:45  
**C-peptide and Diabetic Neuropathy – Results from a Clinical Trial**  
John Wahren, Karolinska Institutet, Stockholm, Sweden

17:00  
**Closing Remarks**  
John Wahren, Karolinska Institutet, Stockholm, Sweden

For further information and registration, contact Charlotte Larsson at clarsson@cebix.com. Registration is free of charge. Please register before September 1st.