SCHEDULE
2014 MIC MEETING at the University of Alabama at Birmingham

Wednesday, May 21, 2014

12:00 – 2:00 pm Arrivals, Registration and Lunch.

2:00 - 2:15 pm Welcome and Introduction: Anath Shalev and Meredith Preuss (hosts)

2:15 - 3:30 pm ORAL SESSION-1 – Developing, Regenerating & Growing New Islets – in vivo or in test tubo
(Moderator: Carmella Evans-Molina)

2:15 – 2:30 pm Corentin Cras-Méneur - Active Notch signaling controls the maintenance of the fate of the Ngn3 Progenitors through RBP-Jkappa in the developing pancreas

2:30 – 2:45 pm Iljana Gaffar - A Potential Therapeutic Role for MafA through Ectopic Expression in Pancreatic Ducts

2:45 – 3:00 pm Michael Lawrence - Differentiation of Pancreas-Derived Mesenchymal Stem Cells into Hormone-Producing Islet-Like Cell Clusters

3:00 – 3:15 pm John Wiersch - No Evidence for Bone Marrow Derived Stem Cell Contribution to Pancreatic Regeneration in a Mouse Parabiosis Model

3:15 – 3:30 pm Gina M. Coudriet – Maturation Defects in NOD Macrophages Impacts Beta Cell Regeneration

3:30 - 4:00 pm Coffe/Tea Break

4:00 – 5:15 pm SESSION-2 – Modes and Maladies of Gene Regulation in Islets
(Moderator: Raghu Mirmira)

4:00 – 4:15 pm Brian McKenna - Identification and Characterization of Pdx1 Coregulators

4:15 – 4:30 pm Justin S. Johnson - Pancreatic and Duodenal Homeobox Protein 1 Enhances Transcription of Sarcoplasmic Reticulum Calcium ATPase 2 in the Beta Cell

4:30 – 4:45 pm Chad S. Hunter - Ldb1-mediated transcriptional complexes during β-cell development and function

4:45 – 5:00 pm KyungHee Hong - IL-1beta Regulates Beta-cell TXNIP Expression

5:00 – 5:15 pm Caitlin Orr - Identification of Tissue Specific Enhancer Elements in the Pancreatic Alpha Cell

5:15 – 6:00 pm Break

6:00 – 7:30 pm Dinner

7:30 – 9:30 pm POSTER SESSION and SOCIAL

Thursday, May 22, 2014

8:00 – 9:00 am Breakfast

9:00 - 10:15 am SESSION-3 – Islet Factors, Functions and Metabolic Signals
(Moderator: Roland Stein)
9:00 – 9:15 am Amelia K. Linnemann - Cholecystokinin is Directly Regulated by cAMP in Beta Cells
9:15 – 9:30 am Matthew J. Merrins - Phase Analysis of the Beta Cell Triggering Pathway Reveals Unexpected Feedback on Oscillatory Metabolism
9:30 – 9:45 am Kayla A. Boortz - G6PC2 Evolved to Modulate Insulin Secretion in Response to Stress
9:45 – 10:00 am Weiwei Xu - Androgen Receptor-Dependent Transcriptome Analysis in Pancreatic Beta Cells: Implications for Type 2 Diabetes Risk in Aging Men
10:00 – 10:15 am Ben A. Hall - Insulin-resistance and Decreased Beta-cell Mass in Beta-cell–specific IRS-2 Knockout Mice

10:15 - 10:45 am Coffee Break

10:45 – 12:00 pm SESSION-4 – Oxidative and Inflammatory Stressing on Islets
(Moderator: John Corbett)
10:45 – 11:00 am Ashley R. Burg - Superoxide Deficiency Hinders Anti-Viral Responses of Non-Obese Diabetic Macrophages during Diabetogenic Coxsackie B4 Virus Infection
11:00 – 11:15 am Katarzyna Broniowska - Location, Location, Location! It Is a Key Determinant in the Biological Actions of Free Radicals on Beta Cells
11:15 – 11:30 am Ting Zhang - FoxO1 Protects Beta-Cell against Oxidative Stress
11:30 – 11:45 am Bryndon J. Oleson - DNA Damage-Mediated Activation of ATM as a Trigger for Cytokine-Induced Apoptosis
11:45 – 12:00 pm Emily K. Anderson-Baucum - The Role of Macrophage Deoxyhypusine Synthase in the Progression of Obesity-Associated Metabolic Inflammation

12:00 - 1:30 pm Lunch

1:30 – 2:45 pm SESSION-5 – Potential Means of Fixing Type-1 Diabetes
(Moderator: Les Satin)
1:30 – 1:45 pm Zunaira Z. Chaudhry - The Proinsulin/C-peptide Ratio and HSP90: Potential Biomarkers for Early Detection of Type 1 Diabetes
1:45 – 2:00 pm J. Stewart New - Modulation of Autoimmune Diabetes By Innate-Like B Cell Derived Antibodies Against N-Acetyl Glucosamine
2:00 – 2:15 pm Robert N. Bone - Fluoroketone-based Inhibition of the Ca2+-independent PhospholipaseA2beta in Neonates Reduces Incidence of Type 1 Diabetes
2:15 – 2:30 pm Lindsey E. Padgett - NADPH Oxidase-Deficient Macrophages Display a Dampened M1 Macrophage Phenotype in Type 1 Diabetes
2:30 – 2:45 pm Stephen Harrington - Allogeneic Islet Transplantation by Encapsulation in Bio-inspired Hydrogel: the Importance of Scaffold Geometry

2:45 - 3:15 pm Coffee/Tea Break

3:15 – 4:30 pm SESSION-6 – Pathogenesis and Potential Means of Fixing Type-2 Diabetes
(Moderator: Colin Nichols)
3:15 – 3:30 pm Mieke Baan - FoxM1 Overexpression in Pancreatic Beta Cells Increases Pancreatic Insulin Content and Lowers Plasma Glucose
3:30 – 3:45 pm Gu Jing - TXNIP induces IAPP expression via miRNA-124a and FOXA2
3:45 – 4:00 pm Damien Demozay - Ablation of FoxO3a, but not FoxO1, specifically in beta-cells causes beta-cells failure in mice exposed to a high calorie diet
4:00 – 4:15 pm Holly A. Cyphert - Characterization of Human MafA/B Activity in Pancreatic Beta Cells
4:15 – 4:30 pm Johanne H. Ellenbroek - Long-term Ketogenic Diet Causes Glucose Intolerance and Reduced Beta and Alpha-Cell Mass but No Weight Loss in Mice

4:30 - 4:45 pm Break

4:45 – 5:45 PM SESSION-7 – THE 7th ANNUAL LACY MEDAL LECTURE
(Moderator: CHRISTOPHER RHODES)

Geoffrey G. W. Sharp, Ph.D. (Cornell University) – ‘From the Artic to Bangladesh to the Islet’

6:00 - 8:00 pm Awards Banquet

8:00- 10:00 pm Poster Mingling and Entertainment

Friday, May 24, 2013

9:00 am – 12:00 pm Departures