Program- International Adrenal Cortex Conference “Adrenal 2010”

Wednesday June 16th

SESSION 1: HPA axis and response to stress
Chairs: Sandra Murray & Ute Hochgeschwender

Muglia, Lou—Dissection of Brain-region Restricted Actions of Glucocorticoid Receptors for Behavior and Adrenal Axis Regulation

Chrousos, George—New Partners of the Glucocorticoid Receptor

Holmes, Megan—Genetic background influences HPA responsiveness in 11β-HSD1-deficient mice

Levitan, Robert—HPA-axis activity in chronic depression is moderated by gender and temperament

SESSION 2: Receptors and signal transduction
Chairs: Marion Sewer & Nicole Gallo-Payet

Clark, Adrian—ACTH receptor activation dynamics as revealed by bioluminescent resonance energy transfer

Hinkle, Patricia—Novel actions of melanocortin 2 receptor accessory proteins

Barrett, Paula—TASK channels and their control of aldosterone production: mouse models of idopathic primary hyperaldosteronism and low-renin essential hypertension

Beuschlein, Felix—BMPs as modulators of adrenocortical tumorigenesis

Thursday June 17th

SESSION 3: Steroidogenic Cholesterol
Chairs: Doug Stocco & Yossi Orly

Podesta, Ernesto—Identification of the tyrosine phosphatase responsible for hormonal induction of ACSL4, StAR and cholesterol transport

Jefcoate, Colin—Posttranscriptional regulation of StAR
Papadopoulos, Vassilios—Protein-protein interactions driving cholesterol transport in steroidogenic cell mitochondria

Bose, Himangshu—StAR structure and function

SESSION 4: Steroid metabolism/action
Chairs: Ian Mason & Maria Dufau

Stewart, Paul—11ß-Hydroxysteroid dehydrogenase type 1 as a therapeutic target for the metabolic syndrome: Strengths and liabilities

Chung, Bon-chu—Functions of steroids in zebrafish embryogenesis

Arlt, Wiebke—DHEA sulfation as a regulator of androgen synthesis

Conley, Alan—Redefining Adrenarche: Non-human Primate Models for Adrenal Androgen Secretion

LUNCH

SESSION 5: Adrenal growth and development
Chairs: Virginia Black & David Breault

Laufer, Ed—Sonic hedgehog signaling in the adrenal cortex

Martinez, Antoine—PKA and foetal reprogramming of the adrenal cortex

McCabe, Ed—Role of the SF-1 Ortholog, ff1b, on Pancreatic Development in the Zebrafish

Bornstein, Stefan—Adrenocortical influence on chromaffin progenitor cells

Miyamoto, Kaoru—Molecular events for stem cell differentiation into steroidogenic lineages

POSTER SESSIONS
Friday June 18th

SESSION 6: Adrenal tumors and cancers
Chairs: Franco Mantero & Tobias Ellis

Lalli, Enzo—Genetics and genomics of childhood adrenocortical tumors

Stratakis, Constantine—New aspects of PKA and PDE involvement in the formation of tumors in the adrenal and elsewhere

Bertherat, Jerome—Molecular classification of adrenocortical tumors

Giordano, Thomas—microRNA profiles of adrenocortical tumors

SESSION 7: Molecular Basis for Adrenal Disorders
Chairs: Christa Fleuck & Maria New

Husebye, Eystein—Pathogenesis of autoimmune Addison's disease

Lauber, Anna—Identification of a novel gene for 46, XY DSD (Disorders of Sexual Development)

Storr, Helen—Insights into the pathogenesis of the triple A syndrome

Miller, Walt—Update on POR mutations and polymorphisms

LUNCH
KEITH PARKER MEMORIAL LECTURES

Morohashi, Ken—The Keith Parker Memorial Lecturer

SESSION 8:

Chairs: B. Schimmer & T. Hasegawa

Hanley, N—Gene expression in the fetal adrenal

Hammer, G—Signaling pathways in adrenal development and disease

Achermann, J—SF-1 mutations and human disease

SESSION 9:

Chairs: P. White & P. Stewart

Lavery, G—Biochemistry and physiology of H6PDH-null mice

Rainey, W—Regulation of CYP11B2 expression

Elmquist, J—SF-1 in the brain

Jamieson, JL—Closing Lecture