

**Program- International Adrenal Cortex Conference “Adrenal 2010”**

**Wednesday June 16<sup>th</sup>**

**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 11 $\beta$ -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 idiopathic primary hyperaldosteronism and low-renin essential hypertension**

**Beuschlein, Felix—BMPs as modulators of adrenocortical tumorigenesis**

**Thursday June 17<sup>th</sup>**

**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—11 $\beta$ -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 18<sup>th</sup>**

**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**