

2012 ANZPRA Satellite Meeting Program

Sat 25th – Sun 26th August 2012

Major Aims

- (1) Create a forum for ANZPRA members to network, exchange ideas and set up collaborations
- (2) Provide an opportunity for ANZPRA members including ECRs to showcase their research
- (3) Update ANZPRA members on key advances emerging in the field around the globe

Saturday 25th August 2012, 6:00pm-10:00pm

Welcome Function – *Barby at the Beach* – Kurrawa SLSC, Broadbeach.
Come along and meet with ANZPRA colleagues for a very casual BBQ and refreshments at the Kurrawa SLSC. Tickets \$35 pp (Spouses/Partners welcome).

Sunday 26th August, 2012 Sofitel Hotel, 81 Surf Parade Broadbeach

Registration: 8:00am - 8:30am (Cost \$80 early bird - \$120 late)

Welcome by ANZPRA president: 8:30am - 8:35am

Session 1: 8:35am - 10:00am

Theme 1: Nutrition and Pregnancy – “You are what your mother eats”

Chairs: Tony Perkins and Roger Smith

Speaker 1 *Martha Lappas*
8:35-8:55 *Placental mitochondrial dysfunction leads to cellular and metabolic damage in diabetic pregnancies*

Speaker 2 *Michael Stark*
9:00-9:20 *ω-3 Fatty acids in pregnancy, the placenta and following preterm birth*

Speaker 3 *Megan Jones*
9:20-9:40 *Beneficial effects of dietary omega-3 fatty acids on placental oxidative and inflammatory status in rat pregnancy*

Speaker 4 *Marloes Dekker*
9:40-10:00 *Nutrient transporters in the placenta in gestational diabetes mellitus*

Coffee Break: 10:00am - 10:30am

Session 2: 10:30am - 12:00pm

Theme 2: Micronutrients in Pregnancy

Chairs: Larry Chamley and Vicki Clifton

- Speaker 1** **Claire Roberts**
10:30-10:50 *Vitamin D and pregnancy outcome in sunny South Australia*
- Speaker 2** **Tony Perkins**
10:50-11:10 *Placental oxidative stress, selenium and preeclampsia*
- Speaker 3** **Padma Murthi**
11:10-11:30 *How does vitamin D regulate fetal growth?*
- Speaker 4** **Jessica Vanderlelie**
11:30-12:00 *Periconceptional multivitamin supplementation may reduce the risk of spontaneous preterm delivery and preeclampsia: A cohort study*

Lunch break: 12:00pm – 1:00pm

Session 3: 1:00pm - 2:30pm

Theme 3: Placental Aging and Trophoblast Turnover

Chairs: Padma Murthi and Peter Mark

- Speaker 1** **Roger Smith**
13:00-13:20 *Aging, the Placenta and Unexplained Intrauterine Death*
- Speaker 2** **Larry Chamley**
13:20-13:40 *Syncytial nuclear aggregates, an end of life experience?*
- Speaker 3** **Giavanna Angeli**
13:40-14:00 *Transcription factories and cytotrophoblast differentiation*
- Speaker 4** **Nic Hodyl**
14:00-14:20 *Oxidative stress and the feto-placental unit*

Coffee Break: 2:30pm - 3:00pm

Session 4: 3:00pm - 4:30pm

Theme 4: What's 'Hot' in Placental Research

Chairs: Claire Roberts and Jessica Vanderlelie

- Speaker 1** **Richard Saffery**
15:00-15:20 *Variation in the human placental epigenome in response to environmental, genetic and gestational effects: implications for the study of adverse pregnancy outcomes*
- Speaker 2** **Tu'uhevaha J. Kaitu'u-Lino**
15:20-15:40 *Nanoparticle drug delivery: a potential therapeutic for ectopic pregnancy*
- Speaker 3** **Fabrico Costa**
15:40-16:00 *Recent advances in pre-eclampsia prediction*

ANZPRA AGM: 4:00pm - 4:30pm