

ICHSHC 2018

26 – 29 NOVEMBER 2018

PROGRAMME

MONDAY, 26 NOVEMBER 2018

17:30 – 19:30 REGISTRATION AND WELCOME FUNCTION
19:30 – 20:30 INTERNATIONAL ICHSHC COMMITTEE MEETING

TUESDAY, 27 NOVEMBER 2018

Hormone dependent cancers

CHAIR: Karl Storbeck, Stellenbosch, South Africa

09:00 – 09:20 Welcome **Karl Storbeck, Stellenbosch, South Africa:** (Conference chair)
Fernand Labrie, Quebec, Canada: (Chair of the international ICHSHC committee)
09:20 – 10:20 **Keynote** **Jason Carroll, Cambridge, UK:** New insights into estrogen receptor gene regulation in breast cancer

10:20 – 10:50 COFFEE/TEA BREAK

CHAIR: Evan Simpson, Edinburgh, UK and Bernd Groner, Frankfurt, Germany

10:50 – 11:15 Oral 1 **Theresa Hickey, Adelaide, Australia:** Activation of the androgen receptor inhibits growth of normal breast tissue and estrogen receptor-driven breast cancers
11:15 – 11:40 Oral 2 **Paul Chapple, London, UK:** Oncometabolite induced primary cilia loss in pheochromocytoma promotes cellular proliferation
11:40 – 12:05 Oral 3 **Wayne Tilley, Adelaide, Australia:** The Forkhead Transcription Factor FOXA1 directs an oncogenic androgen receptor cistrome in estrogen receptor negative breast cancer cells
12:05 – 12:25 Oral 4 **Hironobu Sasano, Sendai, Japan:** Emerging roles of cholesterol in human breast cancer: Possible involvement of its intratumoral metabolism on its clinical behavior
12:25 – 12:45 Oral 5 **Renate Louw-du Toit, Stellenbosch, South Africa:** Unravelling the role of signal transduction pathways in progesterin-mediated effects on breast cancer

12:45 – 14:00 LUNCH

CHAIR: Theresa Hickey, Adelaide, Australia and Hironobu Sasano, Sendai, Japan

14:00 – 14:45 **Plenary 1** **Nima Sharifi, Cleveland, USA:** Steroid metabolism in prostate cancer – from cellular phenotype to clinical consequences
14:45 – 15:10 Oral 6 **Vanessa Hayes, Sydney, Australia:** Androgen-regulated TMPRSS2-ERG fusions are rare in prostate tumors from African men, yet linked to early-onset low-grade disease
15:10 – 15:35 Oral 7 **Tea Lanisnik Rizner, Ljubljana, Slovenia:** Altered levels of ABC, OATP and OST transporters may contribute to enhanced E₂ formation in endometrial cancer
15:35 – 15:55 Oral 8 **Monique Barnard, Stellenbosch, South Africa:** Moving beyond canonical androgens in castration resistant prostate cancer

15:55 – 18:30 POSTER SESSION

18:30 – 22:00 BRAAI (South African Barbeque)

WEDNESDAY, 28 NOVEMBER 2018

Steroidogenesis, steroid metabolism and action (I)

CHAIR: Jonathan Mueller, Birmingham, UK

09:00 – 09:45 **Plenary 2** **Wulf Utian, Cleveland, USA:** The intracrinological science and clinical application of intravaginal prasterone in management of vulvo-vaginal atrophy
09:45 – 10:10 Oral 9 **Rita Bernhardt, Saarbrücken, Germany:** Adrenal steroid hydroxylases with new functions
10:10 – 10:35 Oral 10 **Fernand Labrie, Quebec, Canada:** Increased efficacy with age of the intracrine transformation of dehydroepiandrosterone (DHEA) into androgens in peripheral tissues

10:35 – 11:05 COFFEE/TEA BREAK

CHAIR: Gary Hammer, Ann Arbor, USA

11:05 – 11:50 **Plenary 3** **Christa Flück, Bern, Switzerland:** The steroid signature of the first year of life in humans and how we may make use of it
11:50 – 12:15 Oral 11 **Angela Taylor, Birmingham, UK:** High-throughput detection of adrenocortical carcinoma by liquid chromatography-tandem mass spectrometry – a prospective validation study in 2017 adrenal tumour patients
12:15 – 12:40 Oral 12 **Riana Bornman, Pretoria, South Africa:** Androgen receptor blockage induced by DDT disrupts the pituitary-gonadal axis and results in a functional testosterone deficiency and risk for metabolic disease

13:00 TOURS – Delegates who have signed up depart with packed lunch

THURSDAY, 29 NOVEMBER 2018

Nuclear receptor signalling

CHAIR: Donita Africander, Stellenbosch, South Africa

09:00 – 09:45	Plenary 4	Sebastiaan Meijsing, Berlin, Germany: Binding ≠ function: Linking glucocorticoid receptor binding to the regulation of genes in the endogenous genomic context
09:45 – 10:10	Oral 13	Luc Furic, Melbourne, Australia: Translational regulation by ER α in hormone-dependent cancers
10:10 – 10:35	Oral 14	Ilma Simoni Brum, Porto Alegre, Brazil: Androgenic modulation of AR-Vs

10:35 – 11:00 COFFEE/TEA BREAK

CHAIR: Wayne Tilley, Adelaide, Australia

11:00 – 11:25	Oral 15	Janet Hapgood, Cape Town, South Africa: Synthetic progestin contraceptives medroxyprogesterone acetate and norethisterone exhibit differential receptor-mediated effects on gene expression and HIV-1 replication
11:25 – 11:50	Oral 16	Wim Vanden Berghe, Antwerp, Belgium: Molecular biochemical characterization of selective glucocorticoid receptor activities of GSK866 analogues with cysteine reactive warheads
11:50 – 12:10	Oral 17	Jan Kroon, Leiden, Netherlands: Metabolic glucocorticoid receptor transcriptional activity is androgen-dependent

12:10 – 13:30 LUNCH

Steroidogenesis, steroid metabolism and action (II)

CHAIR: Nicolette Verhoog, Stellenbosch, South Africa

13:30 – 14:15	Plenary 5	Wiebke Arlt, Birmingham, UK: Androgens, PCOS and metabolic risk – dissecting the female andrometabolic syndrome
14:15 – 14:40	Oral 18	Louise Metherell, London, UK: Sphingosine-1-phosphate lyase (SGPL1) deficiency is associated with mitochondrial dysfunction
14:40 – 15:00	Oral 19	Janina Tokarz, Munich, Germany: 20 α - and 20 β -reduction of glucocorticoids in humans: which role plays CBR1?

15:00 – 15:30 COFFEE/TEA BREAK

CHAIR: Jurek Adamski, Munich, Germany

15:30 – 15:50	Oral 20	Lina Schiffer, Birmingham, UK: Intracrine activation of 11-oxygenated androgens by AKR1C3 is increased by HSD11B1 inhibition
15:50 – 16:10	Oral 21	Desmaré Van Rooyen, Stellenbosch, South Africa: The metabolism of adrenal C11-oxy C21 steroids to C11-oxy androgens in the backdoor pathway
16:10 – 16:55	Plenary 6	William Rainey, Ann Arbor, USA: Adrenal aging, gene mutations and primary aldosteronism
16:55 – 17:05		Closing of the scientific programme Amanda Swart, Stellenbosch, South Africa

19:00 CONFERENCE DINNER - buses depart STIAS at 18:30