CANCERS DRIVEN BY HORMONES

Co-Chairs: David Livingston, Myles Brown, Arul Chinnaiyan, Antonella Farsetti, Massimo Loda, Roland Schule and Enrico Mihich

Thursday, June 19, 2014

8:00 Registration
8:25 Welcome
8:40 Introduction
8:45 Focus & Goals
8:55 Keynote Address: Lgr5 stem cells in self-renewal and cancer

Session I, Mechanistic Underpinnings of Tumor Cell Hormone Responsiveness
Chair/Moderator: Massimo Loda

9:40 Small RNAs, ApoE, and LRP's comprise a druggable anti-metastatic network in melanoma
10.05 Discussion
10:25 Coffee Break
10:45 Genome structural dynamics in hormonal gene regulation
11.05 Discussion

Session II, Hormonal Signaling in Breast Cancer
Chair/Moderator: Myles Brown

11:30 Genetic and Epigenetic Determinants of Hormone Dependence
11:55 Discussion
12:15 Lunch
13.15 Understanding cross-talk between nuclear receptors in ER+ breast cancer
13.40 Discussion
14.00 How progesterone promotes breast carcinogenesis
14.25 Discussion

Session III, Translational Developments in Hormone-driven Breast Cancer
Chair/Moderator: Catherine Brisken

14.45 Molecular diagnostics of breast cancer
15.10 Discussion
15.30 Coffee Break
15.45 The PI3K/TOR pathway as a therapeutic target in breast cancer
16.10 Discussion
16.30 Biomarkers of response and resistance to estrogen deprivation in primary breast cancer
16.55 Discussion
17.15 Adjourn
Friday, June 20, 2014

Session III, Translational Developments in Hormone-driven Breast Cancer (continued)
Chair/Moderator: Catherin Brisken

8:30  Pier Paolo Di Fiore  Connecting the machineries of cell fate determination and tumor suppression in mammary stem cells
8:55  Discussion

Session IV, Hormonal Signaling in Prostate Cancer
Chair/Moderator: Arul Chinnaiyan

9.15  Arul Chinnaiyan  Towards Precision Medicine for Advanced Prostate Cancer
9:40  Discussion
10.00 Owen Witte  Stem Cell Targets and Pathways in Prostate Cancer Progression
10.25  Discussion
10.45  Antonella Farsetti  Estrogen/ERs, Hypoxia/HIFs and NO/eNOS signaling in hormone-driven cancers
11.10  Discussion
11.30  Coffee Break

Chair/Moderator: Roland Schuele

11.45  Roland Schuele  Physiology and pathology of the epigenetic drug target LSD1
12.10  Discussion
12.30  Matthew Freedman  Charting the AR cistrome in human prostate tissues
12:55  Discussion
13.15  Poster Session & Lunch
15.30  Karen Knudsen  Hormone-DNA repair interplay-- mechanisms and implications for disease progression
15.55  Discussion

Session V, Translational Developments in Hormone-driven Prostate Cancer
Chair/Moderator: Antonella Farsetti

16.15  William Hait  Surviving metabolic stress: of mice (squirrels) and men
16.40  Discussion
17.00  Vasan Yegnasubramanian  The double-edged sword of androgen-induced double strand breaks in prostate cancer
17.25  Discussion
17:45  Adjourn
19.45  Symposium Dinner

Saturday, June 21, 2014

8:00  Best Posters’ Oral Presentations

Session V, Translational Developments in Hormone-driven Prostate Cancer (continued)
Chair/Moderator: William Hait

9:00  Robert Reiter  PET and optical imaging of prostate cancer with engineered antibodies
9:25  Discussion
9:45  Martin Gleave  Co-Targeting the AR and Adaptive Stress Pathways in mCRPC
10:10  Discussion
10:30  David Livingston  Concluding Remarks
11:00  Lunch & Adjourn