

6th International PacRim Breast and Prostate Cancer Meeting

Program

Monday, July 20		Location
12:00-2:00	Arrival and Registration	Conference Lobby
2:00	Welcome: Dr. Stephen Plymate & Dr. Peggy Porter	Cascade Locks Ballroom
<hr/> SESSION I		
New Insights on Genetic Susceptibility to Breast and Prostate Cancers		Cascade Locks Ballroom
<i>Chairs: Dr. Carol Lange & Dr. Donald Tindall</i>		
<i>Discussants: Dr. Colleen Nelson & Dr. Andrei Goga</i>		
2:15	Mathieu Lupien, PhD <i>Identifying the target genes of breast cancer genetic predispositions</i>	
2:25	Massimo Loda, MD <i>Role of stroma in prostate development, maintenance and metastasis</i>	
2:35	Stephen Plymate, MD <i>Allosteric Alterations in the Androgen Receptor Determine Activity in Prostate Cancer</i>	
2:45	Jyotsna Batra, PhD <i>A large scale association analysis of miRSNPs with prostate cancer</i>	
2:55	Melissa Davis, BSc, PhD <i>Gene regulatory network analysis</i>	
3:05-4:00	Open Discussion	
4:00	Break	

Monday, July 20

Location

4:30 – 5:30

Ron Ross Oration & Award

Presented by: Professor Juergen Reichardt & Professor Wayne Tilley

**Cascade Locks
Ballroom**

Recipient: Leslie Bernstein, PhD

City of Hope National Medical Center

5:30-7:00

Free Time

7:00-on

Opening Reception/Dinner

Cascade Lawn

8:00 – 10:00

Prostate SPORE Meeting (**PNW Prostate SPORE EAB/IAB only**)

Baker Room

Tuesday, July 21

Location

6:30

Breakfast

Conference
Lobby

SESSION II

Advances in Imaging Local and Distant Disease

Chairs: Dr. Massimo Loda & Dr. Kenneth Pienta

Discussants: Dr. Martin Gleave & Dr. Judith Clements

Cascade
Locks
Ballroom

8:30

Evan Yu, MD

PET imaging in prostate cancer: Research tool or standard clinical practice?

8:40

Daniel Lin, MD

Imaging in Localized Prostate Cancer

8:50

Constance Lehman, MD, PhD

Breast MRI in Local Disease

9:00

Howard Scher, MD

PSMA Imaging in Prostate Cancer For Specific Contexts of Use

9:10-10:00

Open Discussion

10:00

Break

Conference
Lobby

Sponsored by:

Janssen Pharmaceutical Companies of Johnson & Johnson

Cascade
Locks
Ballroom**SESSION III*****ER, AR and other Nuclear Hormone Receptors in the Biology and Treatment of Breast and Prostate Cancer***

Chairs: Dr. Amina Zoubeidi & Dr. Luc Furic

Discussants: Dr. Xuesen Dong & Dr. Edward Gelmann

- 10:30 **Yan Dong, PhD**
Dimerization is Required for Androgen Receptor Splice Variants to Regulate Gene Expression and Promote Castration-Resistant Cell Growth
- 10:40 **Theresa Hickey, PhD**
Crossing Paths: sex steroid receptor interaction in breast cancer
- 10:50 **Nancy Weigel, PhD**
Androgen Receptor Isoforms Differentially Regulate Cell Metabolism in Prostate Cancer Cells
- 11:00 **Geoffrey Greene, PhD**
Progesterone Receptor is a Non-Competitive Agonist of Estrogen Receptor and is Essential for Breast Cancer Prognosis
- 11:10 **Margaret Yu, MD**
AR directed therapies in Prostate cancer Today and Tomorrow
- 11:20 **Suzanne Fuqua, PhD**
ESR1 Mutations Escape Hormone Therapy through Activation of IGF1R in Breast Cancer
- 11:30 **Karen Knudsen, PhD**
Targeting hormone-DNA repair crosstalk in prostate cancer: mechanisms and implications for therapeutic intervention
- 11:40 **Wayne Tilley, PhD**
Progesterone receptor directs a distinct estrogen receptor- α chromatin binding profile in breast cancer to elicit good clinical outcome
- 11:50-1:00 **Open Discussion**

1:00 **Lunch**Cascade Dining
Room

Tuesday, July 21

Location

Sponsored by
Fred Hutch/University of Washington: Cancer Consortium

**Cascade Locks
Ballroom**

SESSION IV

Novel Strategies for Developing and Deploying 'Precision Oncology' Therapeutics

Chairs: Dr. Paul Rennie & Dr. Alexander Wyatt

Discussants: Dr. Donald Tindall & Dr. Brett Hollier

- 2:00 **Natasha Kyprianou, PhD**
Novel Action of Cabazitaxel in Prostate Cancer
- 2:10 **Jun Luo, PhD**
Non-invasive detection of the aberrant AR in prostate cancer"
- 2:20 **Himisha Beltran, MD**
Lessons from Exceptional Responders
- 2:30 **Christopher Sweeney, MBBS**
Precision medicine in a heterogenous world
- 2:40 **Bruce Montgomery, MD**
Biallelic inactivation of BRCA2 in metastatic castration resistant prostate cancer is associated with platinum sensitivity
- 2:50 **Greg Monteith, BPharm, PhD**
Regulation of hypoxia-associated epithelial to mesenchymal transition by plasmalemmal ion channels in breast cancer cells
- 3:00 **Roxana Schillaci, PhD**
Targeting Tumor Necrosis Factor alpha as a Novel approach to Overcome Breast Cancer Resistance
- 3:10-4:00 **Discussion**

4:00 **Free Time**

5:30 **Poster Session with Refreshments** (room will remain open all week)

**Stevenson
C/D**

7:00 on **Dinner**

Amphitheatre

Wednesday, July 22

Location

6:30

Breakfast

Conference
Lobby

SESSION V

Cascade Locks
Ballroom

Risk Assessment: Tumor, Host, Environment

Chairs: Dr. Andrei Goga & Dr. Lenora Loo

Discussants: Dr. Christopher Ong & Dr. Janet Stanford

8:30

Christopher Li, MD, PhD

Challenges and Opportunities in Risk Assessment across the Breast Cancer Spectrum"

8:40

Gail Prins, PhD

Distinct Actions of ER α and ER β in Human Prostate Stem Cell Self-Renewal

8:50

Jonathan Wright, MD

The Prostate Cancer Active Lifestyle Study: An intervention in overweight men on active surveillance

9:00

Alexander Swarbrick, PhD

Paracrine Hedgehog signaling as a therapeutic target in triple negative breast cancer

9:10

Peggy Porter, MD

Ancestry and Risk of Breast Cancer in Hispanic/Latina Women

9:20

Hironobu Sasano, MD, PhD

Angiogenesis and tumor infiltrating lymphocytes in breast cancer : how we could assess?

9:30-10:30

Open Discussion

10:30

Break

Conference
Lobby

Wednesday, July 22

Location

Sponsored by **Bayer**

Cascade Locks
Ballroom

SESSION VI

Personalizing Prevention Strategies

Chairs: Dr. Pete Nelson & Dr. Peggy Porter

Discussants: Dr. Daniel Lin & Dr. Christopher Li

- 11:00 **Lorelei Mucci, ScD, MPH**
Is TMPRSS2:ERG a unique etiologic subtype of prostate cancer?
- 11:10 **Edward Gelmann, MD**
Molecular Inevitability of Prostate Cancer Initiation
- 11:20 **Elahe Mostaghel , MD, PhD**
SLCO Genes as Host and Tumor Determinants of Abiraterone Exposure and Treatment Efficacy
- 11:30 **Colleen Nelson, PhD**
Is it possible to prevent prostate cancer?
- 11:40 **Janet Stanford, PhD**
Etiologic heterogeneity in prostate cancer: risk factor profiles by TMPRSS2:ERG fusion status
- 11:50 **Erik Thompson, PhD**
High mammographic density is associated with an increase in stromal collagen and immune cells within the mammary epithelium
- 12:00 **Open Discussion**

1:00 **Grab and Go Boxed Lunch**

Conference
Lobby

Free afternoon and evening, dinner (own arrangements)

Thursday, July 23

Location

6:30

Breakfast

Conference
Lobby

*Sponsored by **NanoString Technologies***

Cascade Locks
Ballroom

SESSION VII

Cancer Genomics and Epigenomics: TCGA and Beyond...

Chairs: Dr. David Quinn & Dr. Juergen Reichardt

Discussants: Dr. Mitchell Lawrence & Dr. Paul Rennie

8:00

Elaine Ostrander, PhD

Whole Exome Sequencing in Prostate Cancer Families Identifies Eight Previously Unknown Susceptibility Genes"

8:10

Michael Press, MD, PhD

HER2 co-amplified genes: Potential role in treatment responsiveness

8:20

Carol Lange, PhD

Where Genetics meets Epigenetics: Context-Dependent SR Actions in Breast/Ovarian Cancers

8:30

Luke Selth, PhD

Androgen receptor "interactomics" identifies GRHL2 as a novel co-regulator

8:40

Paul Spellman PhD

Studying Early Tumor Evolution

8:50

Joshi Alumkal , MD

Integrative Genomic Analysis to Identify Emergent Enzalutamide Resistance Mechanisms in Castration-Resistant Prostate Cancer

9:00-10:00

Open Discussion

10:00

Break

Conference
Lobby

Thursday, July 23

Location

SESSION VIII

Tumor Microenvironments: Influence on Tumor Development, Tumor Progression, and Therapy Resistance

Cascade Locks
Ballroom

Chairs: Dr. Ralph Buttyan & Dr. Natasha Kyprianou

Discussants: Dr. Christina Curtis & Dr. Michael Press

- 10:30 **Shoukat Dedhar, PhD**
Breast cancer metastasis and hypoxia
- 10:40 **Jeff Holst, PhD**
Regulation of amino acid uptake coordinates adaptive cancer cell metabolism
- 10:50 **Peter Nelson, MD**
*Tumor Microenvironment-Mediated Resistance to Cancer Therapeutics:
Targeting Master Regulators*
- 11:00 **Marina Simian PhD**
*The extracellular matrix determines ER-alpha's longevity by an endosomal recycling pathway:
implications for endocrine resistance in breast cancer*
- 11:10 **Mitchell Lawrence, PhD**
Surveying the epigenome landscape of the prostate cancer microenvironment
- 11:20 **Andrei, Goga, MD, PhD**
*Novel Therapy of MYC Elevated Triple-Negative Breast Cancers by Targeting
Fatty Acid Oxidation*
- 11:30-12:20 **Open Discussion**

12:20

Lunch

Yurt Area

SESSION IX***Developing and Utilizing Clinically-Relevant Models of Breast and Prostate Cancer***

Chairs: Dr. Judith Clements & Dr. Elizabeth Williams

Discussants: Dr. Amina Zoubeidi & Dr. Cyrus Ghajar

**Cascade
Locks
Ballroom**

- 1:20 **Kenneth Pienta, MD**
Modeling dormancy in prostate cancer
- 1:30 **Ralph Buttyan, PhD**
Development and Utilization of a Novel Paradigm for Generating a Neural Class of Prostate Cancer Stem Cells That Yields a Gene Signature of Adverse Outcomes in Patients with the Disease
- 1:40 **Hong Wu, MD, PhD**
How Genetically Engineered Mouse Models Provide Insights into Human Prostate Cancer and Therapeutics
- 1:50-2:30 **Open Discussion**

In Memory of Rob Sutherland

**Cascade Locks
Ballroom**
SESSION X***Metastasis: Understanding Mechanisms To Enhance Effective Targeting***

Chairs: Dr. Erik Thompson & Dr. Brett Hollier

Discussants: Dr. Stephen Plymate & Dr. Wayne Tilley

- 2:30 **Steve Balk, MD, PhD**
SOX9 regulates WNT/Beta-catenin signalling in prostate cancer
- 2:40 **Paul Rennie PhD, FCAHS**
Development of small molecule inhibitors of ERG to treat metastatic prostate cancer
- 2:50 **Patricia Elizalde, PhD**
Nuclear ErbB-2 Induces Breast Cancer Metastasis
- 3:00 **Cyrus Ghajar, PhD**
Targeting the 'dormant niche' to prevent metastasis
- 3:10-4:00 **Open Discussion**
- 4:00 – 4:30 **Conclusions - Stephen Plymate & Peggy Porter**

**Cascade
Locks
Ballroom**

Thursday, July 23**Location**

5:00

Happy Hour**Columbia Gorge
Interpretive
Center**

5:45

The Great Debate: Testing Precision Medicine: N of 1 vs. N of Many**Columbia Gorge
Interpretive
Center**

7:00 on

Farewell Dinner**Columbia Gorge
Interpretive
Center****Friday, July 24****Location**

6:30 –11:00

Breakfast / 11:00 am Check Out**Cascade Dining
Room**