



PROGRAM  
Cell, Developmental and Cancer Biology  
OHSU Center for Spatial Systems Biomedicine  
Joint Retreat  
Skamania Lodge: Stevenson, WA  
August 12–13, 2015

**Wednesday, August 12**

8:00–9:00	Continental Breakfast	<u>Stevenson Ballroom B, C &amp; D</u>
<b>Program Commences</b>		
9:00–9:15	Introduction	Lisa M. Coussens & Joe W. Gray
9:15–9:30	Platelets: frenemies of circulating tumor cells	Owen McCarty
9:30–9:45	Reprogramming the tumor microenvironment using microRNAs	Sudarshan Anand
9:45–10:00	Microenvironment mediated resistance to HER2-targeted therapeutics	Jim Korkola
10:00–10:15	Immune profiling of Acute Myeloid Leukemia	Evan Lind
10:15–10:20	<i>e poster BTK Signaling Regulates Immune Cell Crosstalk to Promote Pancreatic Carcinogenesis</i>	Andrew Gunderson Coussens Lab
10:20–10:50	BREAK	
10:50–10:55	<i>e poster Epigenetic Regulation of Sonic Hedgehog Determines Basal and Luminal Subtypes of Urothelial Carcinoma by Eliciting Stromal Production of Differentiation Factors</i>	Gina Choe Shin lab
10:55–11:10	MRI using magnetic nanoparticles in oncology	Alex Guimaraes
11:10–11:25	Hyperglycemia-induced heart defects	Monica Hinds
11:25–11:40	Fibrillins: Extracellular matrix molecules waiting to be picked up by your team	Lynn Sakai
11:40–11:55	New concepts in C-Raf and B-Raf signaling	Philip Stork
11:55–12:10	Identifying intraepithelial neoplasia at risk for progression- Lessons from breast cancer	Pepper Schedin
12:10–12:15	<i>e poster Regulation and roles of invadopodia in cancer</i>	Shinji Iizuka Courtneidge lab
12:15–12:20	<i>e poster CSF1R-specific inhibitor targets acute myeloid leukemia by depleting supportive CD14+ monocytes</i>	David Edwards Tyner Lab
12:20–2:00	LUNCH - Variety of sack lunches	<u>Adams room</u>
	Posters	<u>Stevenson Ballroom</u>
2:00–2:15	Translating discoveries through strategic partnering	Anne Carlson & Joseph Carroll
2:15–2:20	<i>e poster Understanding the involvement of cu13Klh13 ubiquitin ligase in protein trafficking</i>	Brittney Davidge Singer Lab
2:20–2:35	Structure and mechanism of glycine receptor illuminated by single particle cryo-electron microscopy	Eric Gouaux

## CDCB OCSSB Joint Retreat Program

### Wednesday, August 12 (cont.)

2:35-2:50	First generation cell signaling network for adult mouse liver	Markus Grompe
2:50-3:05	Single cell strategies to map dynamic transcriptional and epigenetic changes in a heterogeneous system	Andrew Adey
3:05-3:20	Lymphatic vessels are required for adaptive immunity in skin: Implications for viral infection and cancer	Amanda Lund
3:20-3:25	<i>e poster Treatment of bladder cancer cell lines with targeted therapies promotes changes in bladder differentiation state</i>	Cheryl Claunch-Rabe Gray Lab
3:25-3:55	BREAK	
3:55-4:00	<i>e poster Complex molecular-scale dynamics of HER2 receptor transport in breast cancer cells revealed by nanoscale quantum dot imaging</i>	Wai Yan Lam Vu Lab
4:00-4:15	Updates from the OHSU artificial pancreas project: from mathematical modeling to human testing	Peter Jacobs
4:15-4:30	Bladder stem cells in regeneration and malignancy: role of Hedgehog signaling	Kunyoo Shin
4:30-4:45	A systems biology approach to identify novel therapeutic targets	Laura Heiser
4:45-5:00	Invadopodia	Sara Courtneidge
5:00-5:15	Exploring a new role for Amyloid Precursor Proteins in the developing and aging nervous system	Philip Copenhagen
5:15-5:20	<i>e poster Towards structural elucidation of MRP1 by single-particle electron microscopy</i>	Jonathan Fay Chen Lab
5:20-6:30	SKAMANIA CHECK IN	
6:30-9:00	ITALIAN BUFFET	<u>Forest Fire Pit (Outdoors)</u>

### Thursday, August 13

8:00-9:00	Continental Breakfast	<u>Stevenson Ballroom B, C &amp; D</u>
9:00-9:15	Introduction	Lisa M. Coussens & Joe W. Gray
9:15-9:30	Macrophage-epithelial interactions in mediating active cycling and quiescent intestinal stem cells	Melissa Wong
9:30-9:45	Structural and function characterizations of the transferrin receptor 2	Caroline Enns
9:45-10:00	A miniaturized ex vivo assay to evaluate combination of tumor intrinsic and microenvironment directed agents for AML	Jeff Tyner
10:00-10:15	BREAK	
10:15-10:30	Visualizing biology at the nanometer and single-molecule scales'	Xiaolin Nan
10:30-10:45	Cargo transport in axons	Alex Nechiporuk
10:45-11:00	New tags for tracking proteins by microscopy	Kimberly Beatty