



## Schedule: Second International Rb Meeting – November 17<sup>th</sup> – 18<sup>th</sup>, 2011

### Thursday, November 17<sup>th</sup>, 2011

8:00-8:15 Introduction Rod Bremner and Eldad Zacksenhaus

### Session 1 - Cell Cycle & Cell Survival

*Chairperson: Julien Sage*

8:15-8:55 Gustavo Leone  
*Keynote Speaker* Genetic Link between endocycle control and cancer: E2F8

8:55-9:20 David Cobrinik Parsing the role of cell type specific circuitry in retinoblastoma genesis

9:20-9:45 Liang Zhu Skp2 and E2F1 underpin cellular responses to Rb loss in tumorigenesis and homeostasis

9:45-9:55 Chiaki Takahashi The RB-SREBP nexus where RB meets cell signaling and lipid metabolism

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10:00 – 10:30 – Coffee Break

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### Session 2 - Chromosome Stability

*Chairperson: Eric Knudsen*

10:30 -10:55 Nick Dyson Suppressing CIN

10:55 -11:20 Fred Dick Tumor suppression by the retinoblastoma gene in the absence of E2F transcriptional repression

11:20 -11:45 Hein te Riele Functional profiling of the transcriptome of Rb/p107-deficient cells identifies the suppressors of anchorage independent growth

11:45 -11:55 Yan Chen Targeting RANKL/RANK therapy inhibits Prkar1a-low subclass of osteosarcoma

Thur Nov. 17, 2011 (Continued)

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12:00 – 1:30 – Lunch

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### **Workshop – I: Genome-Wide Analysis of the Rb Pathway**

12:15 - 12:20	Eldad Zacksenhaus	Overview - Klaus Fiebig – OGI Vision
12:20 - 12:35	David Macpherson	miRNA and retinoblastoma
12:35 - 12:50	David Goodrich	Tap-tag knockin mice for RB and E2f and Chip-seq
12:50 - 1:05	Jerome Korzelius	Studying the dynamics of Rbf/dE2F transcriptional regulation in the Drosophila midgut by tissue-specific ChIP-Seq
1:05 - 1:30	Open Discussion	Genome-wide analysis of Rb loss
<b>1:30-3:30</b>	<b>Poster Session I</b>	Odd Number Posters *Leave posters up for both days

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3:00 – 3:30 – Coffee Break

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### **Session 3 - Cell Fate and Signaling**

*Chairperson: Eldad Zacksenhaus*

3:30-4:10	Jacqueline Lees <i>Keynote Speaker</i>	New Roles for Rb
4:10-4:35	Max Frolov	An embedded microRNA mir-11 limits the pro-apoptotic function of its host gene, dE2f1
4:35-5:00	Rod Bremner	How to block a tumor with Rb pathway defects
5:00-5:25	Julien Sage	The Rb family in cellular reprogramming

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**Dinner Reception to follow**

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**Friday, November 18th, 2011**

**Session 4 - Senescence, Transformation & Therapy**

*Chairperson: Peter Sicinski*

8:15-8:55	Judith Campisi <i>Keynote Speaker</i>	Suppressing cancer from the outside: Control of the senescence-associated secretory phenotype by the p53 and pRB pathways
8:55-9:20	Eric Knudsen	Targeting the RB pathway therapeutically
9:20-9:45	Karl Munger	Oncogene-induced Senescence and the pRB signaling network
9:45-9:55	Alain de Bruin	Atypical E2Fs are novel regulators of angiogenesis through activating VEGFA transcription in cooperation with HIF

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10:00 – 10:30 – Coffee Break

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**Session 5 - Phosphorylation**

*Chairperson: Rod Bremner*

10:30 -10:55	Peter Sicinski	Cdk-independent functions of cyclins
10:55 -11:20	Eldad Zacksenhaus	What happens when pRb cannot be fully phosphorylated in vivo
11:20 -11:45	Steve Dowdy	Requisite Mono-Phosphorylation of RB During Early G1 Phase
11:45 -11:55	Lisa Julian	E2f3 isoforms control neurogenesis by regulating Sox2 expression

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12:30 – 1:30 – Lunch

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## Friday, November 18th, 2011 (Continued)

### Workshop – II: Genome-Wide Analysis of the Rb Pathway

*Chairperson: Jacqueline Lees (TBC)*

12:15 - 12:30	Larisa Litovchick DeCaprio Lab	The Dream Complex
12:30 - 12:45	Katrin Tschop	Identifying players in the functional network around pRB
12:45 - 1:00	Brenda Gallie	Not Knudson's retinoblastoma: a new disease driven by the MYCN oncogene with normal RB1
1:00 - 1:30	Open Discussion	Genome-wide analysis of Rb loss
<b>1:30-3:30</b>	<b>Poster Session II</b>	Even Number Posters *Leave posters up for both days

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3:00 – 3:30 – Coffee Break

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### Session 6 - Post-Translational Modifications

*Chairperson: Fred Dick*

3:30-4:10	Nick La Thangue <i>Keynote Speaker</i>	New Levels of Control in the Rb-E2F pathway
4:10-4:35	Seth Rubin	Structural mechanism of Rb inactivation
4:35-5:00	Luis Fajas	The Cdk 4-pRB-E2F1 pathway regulates whole body metabolism in health and disease
5:00-5:25	Phil Hinds	Reciprocal effects of Cdk 6 loss versus inactivation in murine bone development