

Mechanisms & Models of Cancer

Session 1 CHECKPOINTS AND CELL CYCLE REGULATION

WEDNESDAY 8/16/2006, 7:30 PM

C. Sherr / P.P. Pandolfi

Keynote: Michael Kastan "DNA damage response pathways and human disease" (30 min.)

#	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
2	Cheng	A positive feedback loop couples Ras activation and CD44 alternative splicing	10
3	Tetsu	Role for FBXW8 and MAPK in cyclin D1 degradation and cancer cell proliferation	10
4	Aggarwal	Constitutively nuclear cyclin D1/T286A promotes over-replication and genome instability in transgenic lymphocytes	10
	Pandolfi	Session chair: no abstract	15
5	Ramsey	Expression of p16 ^{INK4A} compensates for p18 ^{INK4C} loss in cdk4/6 dependent tumors and tissues	10
6	Kaldis	Combined loss of Cdk2 and Cdk4 results in embryonic lethality and Rb hypophosphorylation	10
7	Ray	Genomic stability maintained by Cdc25A-dependent checkpoint is critical for tumor suppression in vivo	10

Session 2 CELLULAR SENEESCENCE

THURSDAY 8/17/2006, 9:00 AM

J. Campisi / J. Lees

#	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
8	Campisi	Suppression of the senescent secretory phenotype by p53	15
9	D'Adda di Fagagna	Cellular senescence as a barrier to cancer development	10
10	Gorrini	Oncogene-induced DNA damage response and tumor suppression in E μ -Myc transgenic mice—Critical role of Tip60	10
11	Narita	A novel role for high mobility group A proteins in cellular senescence and heterochromatin formation	10
12	Dick	Genetic analysis of the retinoblastoma protein's role in establishing heterochromatin during senescence	10
13	Adams	Downregulation of Wnt signaling is an early trigger for formation of facultative heterochromatin and onset of senescence in primary human cells	10
14	Bracken	Polycomb group proteins connect the p53 stress response with subsequent activation of p16 expression in senescing cells	10
15	Cichowski	A negative feedback signaling network underlies oncogene-induced senescence	10
16	Feldser	Short telomeres block tumor formation by activating a p53 dependent senescence program	10
17	DeGregori	Adaptive evolution during leukemogenesis	10
18	Menssen	Analysis of c-MYC-induced immortalization	10
19	Wilkinson	Identifying protein kinase regulators of autophagy	10

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
20	Palmero	Role of the ING1 locus in cellular responses to stress through p53 activation and chromatin modification	
21	Aburatani	Integrative genomic and epigenomic analysis of cancer	
22	Aghajan	Small molecule enhancers of mTOR inhibition	
23	Aizenberg	The unique cadherin switch in ovarian carcinomas and their metastases	
24	Seyed	SOX4 participate in an epidermal growth factor receptor positive feedback loop	
25	Arai	The activity of CUL7-based complex is regulated by GLMN, a novel tumor suppressor	
26	Ascano	The strength of Myc transformation is inversely correlated with its DNA affinity	
27	Askautrud	Hypoxia response in breast cancer models	
28	Awad	Activation of p53-induced apoptosis by dietary lignans suppression of the HPV E6 oncogene	
29	Bagchi	A functional genetic screen identifies a novel tumor suppressor region at human 1p36	
30	Bao	An unfolded wtp53 as a novel therapy target in malignant melanoma	
31	Barkan	Extracellular matrix—A gatekeeper in the transition from dormancy to metastasis	
32	Basavarajaiah	Regulation of MAGED1 (NRAGE, DLXIN-1) during cell cycle	
33	Bashyam	Locating novel pancreatic cancer genes by genomic profiling of pancreatic tumor xenografts	
34	Begley	The Mouse Tumor Biology (MTB) database—Integrated electronic access to data on mouse models of cancer	
35	Bell	Mitochondrial ROS trigger HIF dependent extension of replicative lifespan during hypoxia	
36	Bell	The breast cancer resistance protein (BCRP/ABCG2) is involved in p53 independent E2F1 induced apoptosis	
37	Benevolenskaya	Global pattern of location of RBP2, a critical regulator of differentiation	
38	Blom	Receptor tyrosine kinases in brain tumorigenesis	
39	Bogaerts	Cop-1-deficiency results in embryonic lethality at mid-gestation	
40	Boggs	Regulation of p53 translation and induction after DNA damage by ribosomal protein L26	
41	Bonetti	Role of nucleophosmin in cell cycle progression	
42	Bonte-Savreux	Cdc7 protein abundance is increased in many cancer cell lines and its loss induces apoptosis in tumor but not normal cells	
43	Ann	Oncogenic protein HMGA2 dysregulates DNA-PK activation in response to DNA damage	
44	Guadagno	A novel role for B-Raf in regulating spindle formation in human somatic cells	

45	Brozovic	Induction of multidrug resistance by overexpression of $\alpha_v\beta_3$ integrin in human laryngeal carcinoma cell line can be reversed by inhibition of glutathione synthesis
46	Nepveu	Short CDP/Cux isoforms stimulate cell proliferation and invasion, and cause cancer in mice
47	Cai	Phosphorylation of Thr-55 on p53 induces its cytoplasmic localization through CRM1-mediated nuclear export
48	Cardoso	Targeting of Rab GTPases and motor proteins involved in vesicle transport in cancer cells
49	Chan	Ionizing radiation and restriction enzymes induce microhomology-mediated illegitimate recombination in trans in <i>S. cerevisiae</i>
50	Chan	Variant histone H2A.Z is directed to the <i>p21</i> gene by the p53 tumor suppressor as well as p400, and regulates p53→p21 senescence response
51	Cheng	<i>Rb</i> inactivation affects neoplastic spectrum but not tumor progression or survival in a conditional mouse model for mammary cancer associated with <i>p53</i> deficiency
52	Chernikova	The role of Bre1A/B-Dot1L chromatin remodeling pathway in radiation response
53	Christ	Selective inactivation of homologous DNA repair components in mammary gland—Development of a mouse mammary tumor model
54	Clemler	The Bcl-2 associated athanogene (BAG-1) as a regulator of colorectal tumor cell survival
55	Crawford	Solid tumor model for cancer chemoprevention—Assessment of genetics, microenvironment and experimental chemopreventive agents
56	Croft	The Rho GTPase effector ROCK regulates cyclin A, cyclin D1 and p27 ^{KIP1} levels by distinct mechanisms
57	Cui	B-Raf ^{V600E} interacts with and regulates the human spindle checkpoint kinase Mps1
58	Mesri	In vivo-restricted, reversible malignancy induced by human herpesvirus-8/KSHV—A cell and animal model of virally induced Kaposi's sarcoma
59	Dallol	The RASSF1A-associated protein, C19ORF5, is a mitotic microtubule-associated protein that is required for accurate chromosome segregation and mitosis
60	Darvishi	3'UTR functional polymorphism in MVD gene shows a significant association with sporadic breast cancer
61	Soengas	Anti-oncogenic role of the endoplasmic reticulum differentially activated by mutations in the MAPK pathway
62	Dickins	Tet-regulated p53 knockdown in transgenic mice
63	Diffner	Post-translational modification of cyclin A1 is associated with staurosporine and TNF α induced apoptosis in leukemic cells
64	Dijkman	Molecular analysis classify CD4 ⁺ CD56 ⁺ hematodermic neoplasm and cutaneous myelomonocytic leukemia as distinct disease entities and reveal novel diagnostic and therapeutic targets
65	Nebreda	p39 α MAP kinase as an oxidative stress sensor in oncogenesis
66	Du	Development of a mouse model for assessing tumor progression
67	Duan	Inhibition of tumor growth and tumor metastasis by a Chinese herbal formula—ZYD88 in an animal model with metastatic Lewis lung carcinoma

68	Duelli	Cell fusion synergizes with oncogenes to induce aneuploidy and tumorigenicity
69	Dunn	RNAi-based kinome-wide screen identifies CSNK1E as an essential gene in human cancer cells
70	Erdogan	The mechanism of aurothiomalate-mediated inhibition of oncogenic protein kinase C α signaling
71	Fachel	Differential expression of intronic non-coding RNAs in renal cell carcinoma using cDNA microarray analysis
72	Fay	Binding of CHK2 and a regulatory subunit of protein phosphatase 2A is modulated by DNA damage
73	Feig	Early FAS (CD95) signaling occurs in supramolecular surface structures serving as internalization platforms
74	Fernandez-Marcos	Generation and characterization of mice deficient for Sei1, an assembly factor for cyclin D/CDK4
75	Te Riele	Restriction beyond the restriction point—Mitogen requirement for passage through G ₂
76	Armelin	FGF2 restrains Ras-driven proliferation of mouse tumor cells by a RhoA-dependent process
77	Frew	Cooperative suppression of kidney cyst formation by the <i>VHL</i> and <i>PTEN</i> tumor suppressor genes
78	Lopez-Bigas	Computational study of human cancer—Properties and prediction of proto-oncogenes and tumor suppressor genes
79	Fux	Structure-function approach identifies a C-terminal domain that mediates heparanase secretion and signaling
80	Xiao	A single decoy oligodeoxynucleotides targeting multiple oncoproteins produces more plausible anti-cancer effects
81	Gebhardt	RAGE-deficient mice are resistant to skin carcinogenesis
82	Zhang	Artemis is selectively phosphorylated by ATM in response to DNA damage and chromatin stress, and is involved in recovery from cell cycle arrest
83	Gillespie	Annotating the mechanisms and models of cancer in reactome
84	gochhait	<i>p53</i> polymorphism analysis in sporadic breast cancer patients from North India—A correlation with expression study
85	Peterson	SEPT9_V1 overexpression in human mammary epithelial models is associated with pro-oncogenic phenotypes
86	Grace	Potential prognostic significance of changes in apoptosis-related pathways for biodosimetry and medical management
87	Greenhough	Inhibition of survival signaling and induction of apoptosis by cannabinoids in colorectal cancer cells
88	Jat	Profiling of purified neoplastic and normal human breast epithelial cells defines altered pathways in breast cancer
89	Grizzo	Fra-1 and Fra-2 are negative regulators of p53
90	Groth-Pedersen	Characterization of vincristine-induced cell death

91	Hägerstrand	Identification of novel subsets of CD133-positive glioblastoma cells with distinct differences in sensitivity to tyrosine kinase inhibitors
92	Harper	Regulation of the epiregulin gene by WT1 and AWT1
93	Hatle	MCJ, a newly identified DnaJ protein suppresses <i>mdr1/P-gp</i> expression in breast cancer cells
94	Hauge	Characterization of a novel gene family, <i>FAM110</i> , associated with the cell cycle
95	Hergovich	Centrosome-associated NDR kinase regulates centrosome duplication
96	Hermeking	Characterization of the c-MYC-associated proteome
97	Ginsberg	E2F1 modulates p38 MAPK activation
98	Hollstein	Cullin-3 controls Ras signaling through the degradation of the NF1 tumor suppressor
99	Hoyer-Hansen	Control of autophagosome formation by calcium and ER-localized Bcl-2
100	Hu	RecQ DNA helicase Recq15 is required for proper repair of collapsed replication forks and tumor suppression in mice
101	Huang	Mechanisms of hypoxia-induced genetic instability and cell-cycle arrest
102	Huang	An shRNA barcode screen identifies novel genes involved in Gefitinib resistance
103	Park	Expression profiling of in vitro models for immortalization, transformation and cancer stem cells
104	Ivanov	Arsenite-induced signaling pathways affect <i>TRAIL</i> and <i>cFLIP</i> expression and accelerate TRAIL-mediated apoptosis in human melanoma cells
105	Iwahara	Crk function in integrin-mediated signaling
106	Bridge	Adenovirus E4 mutant DNA synthesis induces aspects of the host cell DNA damage response
107	Kim	TR4 orphan nuclear receptor functions as an apoptosis modulator
108	Kazamie	A novel mechanism of cancerogenesis—Destablization of cell's design regulative system
109	Ke	Suppression of tumor growth by overexpressed Bcl2 is associated with decreased RAS/ERK activity and inhibition of cyclin D1 expression
110	Kawata	Retrovirus mediated conditional immortalization and identification of osteoclast precursor cell lines
111	Kato	Generation of leukemic stem cells by Jab1/CSN5
112	Keyes	Downregulation of p63 is required for oncogene induced senescence
113	Kathrein	Cooperative roles of Ikaros and Notch in leukemogenesis
114	Schoenfeld	Cellular roles for VHL gene products that are independent of HIF- α regulation

Session 4 GENOMES, TARGET IDENTIFICATION AND THERAPEUTICS

THURSDAY 8/17/2006, 7:30 PM

S. Elledge / P. Lamb

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
	Elledge	Session chair: no abstract	15
115	Mullighan	High resolution genome-wide analysis identifies lesions in genes regulating B-cell differentiation in 40% of pediatric acute lymphoblastic leukemia	10
116	Eilers	The ubiquitin-specific protease Usp28 is required for Myc stability in human tumor cells	10
117	Uren	Insertional mutagenesis screens in mouse models of cancer	10
118	Peeper	Integrative genomics to identify melanoma suppressors—Interleukins as critical mediators of BRAF ^{E600} -induced senescence	10
119	Boehm	Integrated genomic analyses identify <i>IKBKE</i> as a breast cancer oncogene	10
120	Lamb	In vitro and in vivo crosstalk between signal transduction pathways as revealed by inhibitors of the MEK-ERK and p13K pathways	15
121	Skaggs	Drug resistant mutations in the BCR-ABL tyrosine kinase confer increased biological fitness	10
122	Graeber	Using phospho-proteomic profiling to identify new regulatory events in the Bcr-Abl oncogenic signaling network	10
123	Henriksson	Identification of small molecules that induce apoptosis in a Myc-dependent manner and inhibit Myc-driven transformation	10

Session 5 p53, ARF, MDM2, p53-FAMILY

FRIDAY 8/18/2006, 9:00 AM

L. Attardi / K. Vousden

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
124	Attardi	Dissecting p53 function using transactivation-deficient knock-in mice	15
125	Martins	The therapeutic potential of p53 restoration in lymphoma	10
126	Ventura	Sustained inactivation of the p53 pathway is required for tumor maintenance in vivo	10
127	Xue	Probing the requirement for p53 loss in tumor maintenance using conditional RNA interference in a mouse model of liver carcinoma	10
128	Beverly	Suppression of p53 by Notch in lymphomagenesis—Implications for initiation and regression	10
	Vousden	Title only: Functions of p53 in prevention and response to stress	15
129	Williams	Leukemia-initiating cells in mouse models of BCR-ABL-induced acute lymphoblastic leukemia	10
130	francoz	Mdm4 and Mdm2 cooperate to inhibit p53 activity both in proliferating and quiescent cells in vivo	10
131	Mills	The quest for the 1p tumor suppressor	10
132	Maclean	Regulation of autophagy by Myc and p53 during lymphomagenesis	10
133	Ellisen	Tumor-specific survival function of p63 in epithelial carcinogenesis	10

Session 6 POSTER SESSION II

FRIDAY 8/18/2006, 2:00 PM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
134	Klucky	The serine protease kallikrein 6 regulates keratinocyte proliferation and migration by modulation E-cadherin/ β -catenin signaling	

135	Kögel	Apoptosis induced by proteasome inhibition in cancer cells—Predominant role of the p53/PUMA pathway
136	Koh	Gene expression profiles of paired primary and metastatic colorectal carcinomas
137	Komori	DP1 is dispensable for E2F function in $p14^{ARF}$ gene expression
138	Kovalchuk	Heparanase glycan composition and biological significance
139	Kovalchuk	Heparanase induces Akt activation by a lipid raft component
140	Kovi	ARF/CtBP in colorectal adenocarcinoma
141	Dalal	Regulation of neoplastic progression by 14-3-3 σ and plakophilin3
142	Kwon	<i>PTEN</i> deficiency accelerates formation of malignant astrocytoma
143	Kwong	Tumor necrosis factor- α confers precancerous phenotypes on human ovarian surface epithelial spheroids
144	Lafamme	<i>Pax-5</i> expression in neoplastic mammary cell lines
145	Lamb	Integrin-mediated survival in prostate cancer cells expressing androgen receptor
146	Lara Cabanas	Tumor suppressor activity of p107 in the absence of epidermal pRb
147	Nexo	Expression of the <i>RAI</i> gene is conducive to apoptosis—Studies of induction and interference
148	le Sage	A genetic screen implicates miRNA-372 and miRNA-372 oncogenes in testicular germ cell tumors
149	Cheng	Identification and characterization of putative tumor suppressor NGB, a GTP-binding protein that interacts with the neurofibromatosis 2 protein
150	Wang	Epigenetic inactivation of the chromosomal stability control genes, BRCA1, BRCA2, and XRCC5 in non-small cell lung cancer
151	Lee	Polyphyllin D activates lysosomal and mitochondrial apoptotic pathway in RHepG2 cells with drug resistance
152	Lee	RSK-mediated phosphorylation of C/EBP β leucine zipper residue Ser273 regulates DNA binding, dimerization and Ras-induced senescence functions
153	Cobrinik	Rb expression in the developing human retina
154	Lehmkuhl	p34 ^{SEI-1} contributes to E2F-responsive gene regulation
155	Leuchowius	Detection of individual endogenous molecular interactions in situ
156	Yamasaki	Suppression of ILP tumorigenesis in <i>Rb</i> ^{+/-} mice by <i>E2f1</i> inactivation and strain
157	Reuven	The Yes-associated protein 1 (Yap1) stabilizes p73 by binding p73 and preventing Itch-mediated ubiquitination
158	Li	DNA damage-induced BARD1 phosphorylation is critical for the inhibition of mRNA processing by BRCA1/BARD1 complex
159	Lee	<i>EWS</i> deficiency leads to impaired B-lymphocyte development, infertility, and enhanced radiation sensitivity

160	Li	Mechanisms and effects of cell death in cell competition induced by <i>minutes</i> , mutations in ribosomal protein genes in <i>Drosophila</i>
161	Lin	Overexpression HERG K ⁺ channel gene mediates cell-growth signals on activation of oncoproteins Sp1 and NF-κB and inactivation of tumor suppressor Nkx3.1
162	Lin	Aberrant <i>RB/p53</i> and cigarette carcinogen leads to alteration of DNA methyltransferase contributes to promoter hypermethylation and poor prognosis in lung cancer
163	Litovchick	Identification and characterization of human homologue of RB-associated REAM/SynMuv B transcriptional repressor complex
164	Liu	The role of estrogen on mouse mammary tumorigenesis in a BRCA1 and p53 conditional knockout mouse model
165	Lo	Construction and application of array-comparative genomic hybridization for identifying novel candidate genes in lung cancer
166	Lucs	Structure function analysis of ErbB2's ability to disrupt 3D acini
167	Luoto	E2F-1 is differentially regulated by Chk1 or Chk2 phosphorylation in response to DNA damage
168	Maas	Divergent oncogenic evolution following loss of <i>Trp53</i> heterozygosity during lymphoid tumorigenesis
169	Maetzel	Identification and validation of EpCAM-associated interaction partners
170	Maggi, Jr.	Nucleophosmin directs ribosome nuclear export and cell growth
171	Ferbeyre	DNA damage signaling and senescence as a result of constitutive STAT5 signaling
172	Man	Latent membrane protein 1 suppresses RASSF1A expression, disrupts microtubules and induces chromosomal aberrations in human epithelial cells
173	Man	Id1 induces centrosome abnormalities, disrupts microtubule integrity and upregulates expression of Aurora kinase A in human epithelial cells
174	Marikkannu	Analysis of molecular functions of the novel tumor suppressor gene, <i>Pdcd4</i>
175	Martinelli	The lymphoma-associated NPM-ALK fusion protein inhibits p53 activity and triggers a p53-independent checkpoint in primary cells
176	Martinez-Cruz	<i>Rb</i> and <i>TP53</i> cooperate to suppress epidermal tumorigenesis
177	Maruoka	B cell adaptor for pi3kinase is an Abi-1 regulated substrate of Abl kinases
178	Marusyk	p53 dependence of replicative stress induced senescence
179	Mathew	Host double strand break repair protein Mre11 interferes with adenovirus replication
180	Matos	Selection of FGF2-resistants from mouse tumor cell lines yields clonal sublines of low or non tumorigenic potential
181	McCormick	Genes critically involved in human cell transformation
182	McEwan	The roles of cFLIP _L and cFLIP _S in regulating chemoresistance of colorectal cancer cells
183	McGillicuddy	Regulation of the tumor suppressor neurofibromin by protein kinase C
184	McHenry	Chromosomal instability used as a model to study a novel marine macrolide

185	McManus	RDH54/RAD54B has a conserved role in chromosome stability in yeast and humans
186	Meyerkord	The role of the Rad9-Rad1-Hus1 complex in regulation of DNA damage-induced apoptosis
187	Miller	Adenovirus E4-ORF1 is a potent activator of the PI3K pathway and interacts with proteins involved in epithelial cell polarity
188	Hohenadl	Molecular characterized human liver tumor xenograft mouse models for development and evaluation of new therapies
189	Montagnoli	Characterization of a small molecule inhibitor of human Cdc7 kinase
190	Moral	Spontaneous tumorigenesis in the oral cavity mediated by deregulated Akt activity
191	Morey	Epigenetic deregulation in a mouse model of prostate cancer
192	Lee	Insulin-like growth factor-1 receptor/epidermal growth factor receptor (EGFR) heterodimerization and resistant to epidermal growth factor receptor tyrosine kinase inhibitors in non-small-cell lung cancer
193	Moulin	Differential binding to nucleophosmin dictates the localization but not the function of human and chicken ARF
194	Mu	High-resolution genome copy number profiling of lung cancer reveals new recurrent amplicons but also extensive amplicon heterogeneity
195	Murphy	Dose dependent Myc-driven phenotypes in a broad spectrum of adult tissues
196	Narath	Comparison of genetic patterns in lymphnode metastases and primary breast tumors
197	Nijwening	Identifying genotype-specific interactions in human tumor cells by loss-of-function screens
198	Nilsson	FGF8 regulation of breast cancer cell proliferation
199	Opavsky	Proapoptotic function of E2f2b tumor suppressor is a direct target of Myc-mediated repression
200	Shaulian	Antagonistic effects of AP-1 proteins in chemotherapy induced senescence
201	OSATO	<i>RUNX1/AML1</i> insufficiency attenuates oncogenic RAS-induced senescence, apoptosis and differentiation in hematopoietic stem cells
202	Gaubatz	LIN-9 regulates the G2/M transition through association with B-MYB
203	Papazoglu	Defining the role of p63 isoforms in modulating cellular senescence
204	Park	Extracellular matrix attachment therapy using a hyaluronan binding protein, TSG-6Link, and a prodrug converting enzyme, cytosine deaminase
205	Partanen	Morphogenetic maturation prevents c-Myc-induced cell cycle progression but not sensitization to apoptosis in human mammary epithelial acini
206	Patel	Identification of genetic determinants of in vitro chemosensitivity to targeted compounds by an integrated bioinformatics approach
207	Patil	β -catenin and Met cooperate to induce HCC in mice
208	Patzke	CSPP and CSPP-L associate with centrosomes and microtubules and differently affect microtubule organization
209	Pelletier	mTOR/S6K sets the rate of ribosome export through increased nucleophosmin translation

210	Perna	Role of Myc in transcriptional responses induced by a variety of key signaling pathways
211	Pietras	Arsenic trioxide-induced neuroblastoma cell death is accompanied by proteolytic cleavage of nuclear Bax
212	Ponzo	Gene expression profile analysis of Met receptor tyrosine kinase-induced mouse mammary tumors and human breast cancer
213	Qian	The Mitochondrial protein hTid-1 partners with the APC tumor suppressor during apoptosis
214	Rada	Butyrate mediates decrease of histone acetylation centered on transcription start sites and downregulation of associated genes
215	Rajaraman	Neosis—A parasexual somatic reduction division and cancer
216	Ranganathan	Suppression of malignancy as a function of PERK-eIF2 α activation pathway
217	Reef	A novel mitochondrial short form of p19ARF induces caspase-independent autophagic cell death
218	Revill	Epigenetic mechanisms associated with the silencing of the imprinted gene neuronatin in pituitary adenomas
219	Grandori	Myc acceleration of S-phase requires Werner gene function
220	Roche	VHL promotes E-cadherin transactivation via HIF dependent regulation of the E-cadherin repressors Sip1 and Snail
221	Rodriguez Gonzalez	Death signals in Chk1 depleted cells
222	Xu	Inactivation of Disabled-2, an epithelial surface positioning gene, is a critical component in carcinogenesis

Session 7 CANCER SIGNALING NETWORKS

FRIDAY 8/18/2006, 7:30 PM

G. Evan / B. Neel

#	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
	Keynote:	Robert Eisenman: "Myc goes global" (30 min.)	
	Evan	Session chair: no abstract	15
223	Wechsler-Reya	Identifying the cell or origin for medulloblastoma	10
224	Ito	The RUNX3/ β -catenin/TCF4 ternary complex as a node to integrate Wnt and TGF- β signaling in intestinal epithelial cells	10
225	Helin	BRAD1 is a novel co-factor for Myc, overexpressed and amplified in aggressive tumors	10
	Neel	Title only: The Shp2 pathway in human disease	15
226	Min	Egr-1 limits hematopoietic stem cell proliferation and mobilization	10
227	Wu	E2F3 is an important mediator for ErbB2-induced mammary tumorigenesis	10
228	Karni	The splicing factor SF2/ASF is an oncogene	10

Session 8 SIGNALING PATHWAYS IN MOUSE MODELS

SATURDAY 8/19/2006, 9:00 AM

A. Berns / L. Parada

#	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
229	Berns	Insertional mutagenesis and the Cdkn2b-Cdkn2a locus	15
230	Podsypanina	Persistent expression of mutant Kras is essential to maintain mammary tumors despite constitutive expression of a Myc oncogene	10

231	Hui	Functions of AP-1 (c-Jun/c-Fos) in liver cancer development	10
232	Dankort	A new mouse model of BRAF ^{V600E} -induced tumorigenesis	10
233	Fero	The CDK inhibitor p27Kip1 collaborates with miRNA overexpression to induce murine lymphomas	10
234	Nakagama	SND1, a component of RNA-induced silencing complex, is up-regulated in human colon cancers and implicated in early stage colon carcinogenesis	10
	Parada	Session chair: no abstract	15
235	Trotman	Nuclear PTEN and cancer	10
236	MacPherson	Murine bilateral retinoblastoma exhibiting rapid onset, metastatic progression and N-Myc gene amplification	10
237	Cowley	An aurora-A allelic series reveals critical roles in cell cycle progression and embryonic development	10
238	Puzio	A new mouse model of invasive bladder cancer	10
239	Inoue	Critical roles of DMP1 in murine and human lung cancer	10

Session 9 TUMOR MICROENVIRONMENT

SATURDAY 8/19/2006, 1:30 PM

M. Bissell / J. Allison

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
	Bissell	Title only: Models to study breast cancer, invasion and the instability of the differentiated state	15
240	Aranda	ErbB2 disrupts epithelial organization in a Par6-aPKC dependent manner	10
241	Ben-Porath	Heterotypic interactions of metastatic cells at nodule edges affect their cytoskeletal and invasive traits	10
242	Xu	GPR56 binds tissue transglutaminase and inhibits melanoma tumor growth and metastasis	10
243	Allison	Checkpoint blockade in cancer Immunotherapy	15
244	Kleeberger	The stem cell-associated intermediate filament nestin promotes prostate cancer motility and metastasis	10
245	Ng	Enzymatic activity profiling for tumor signaling and metabolism biomarkers in ovarian cancer	10

Session 10 POSTER SESSION III

SATURDAY 8/19/2006, 4:00 PM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
246	Saberi	A role for RAD18 in double strand break repair by homologous recombination	
247	Sanders	Histone modifications in DNA damage checkpoint control	
248	Sarmento	In vivo characterization of the direct impact of deregulated RAG1/2 activity to genomic instability	
249	Scaglioni	A CK2-dependent mechanism for PML degradation in non-small cell lung cancer	
250	Schietinger	A mutant chaperone transforms a wildtype protein into a truly tumor-specific cancer target molecule	
251	Schlingemann	In vitro analysis of DNA-protein interactions by proximity ligation	

252	Schmit	Characterization of novel human synMuv-like proteins
253	Groenen	The potential of combined CGH- and expression array profiling for finding relevant genes in mantle cell lymphoma
254	Sears	A role for c-Myc protein stabilization in breast cancer
255	Johnson	Ras ^{V12} -induced silencing of C/EBP β expression in NIH 3T3 cells is required for oncogenic transformation
256	See	The role of p190RhoGAP and p27 in gliomagenesis
257	Sendoel	HIF-1 antagonizes DNA-damage induced apoptosis in the germ line of <i>C. elegans</i>
258	Aguirre-Ghiso	PERK-eIF2 α -dependent regulation of proliferation and apoptosis during mammary epithelial acini morphogenesis is deregulated in breast carcinoma cells
259	Sharma	Breast cancer tumor suppressor CBFA2T3 functions through its interaction with a novel transcription factor ZNF652
260	Shukla	Absence of the full length BRCA1 leads to increased expression of IGF signaling axis members
261	Shull	Genetics and genomics of estrogen-induced mammary cancer in the ACI rat
262	Siaud	Structure/function analysis of the tumor suppressor BRCA2 and the requirement of homologous recombination in cellular proliferation and organismal viability
263	Sjölund	Active Notch signaling supports growth of renal cell carcinoma cells
264	Small	<i>Cdc13</i> -independent telomere capping promoted by <i>RAD24</i> loss in <i>S. cerevisiae</i>
265	Lim	RASSF1A inhibits regulation of p53 stability by Mdm2 and is targeted by Skp2 for degradation at the G ₁ -S transition
266	Stergiou	The Zn finger protein Lin-26 is required for ionizing radiation-induced apoptosis in <i>C. elegans</i>
267	Koch	Exploring cancer gene expression
268	Strawbridge	Growth hormone receptor signaling in prostate cancer
269	Plon	Heterozygous screens to identify modifiers of genomic stability in <i>S. cerevisiae</i>
270	Sun	Role of the p27KIP1 in liver tumorigenesis induced by acute and chronic liver damage
271	Suzuki	Regulation of anchorage-independent growth by c-Abl
272	Suzuki	Regulation of DNA damage-induced apoptosis by the anti-proliferative protein Tob
273	Tamguney	Chemical genetic approach to investigate the role of PDK1 in tumorigenesis
274	Teas	In vitro activity of algal water extracts in colon and breast cancer
275	Terzikyan	The investigation of binding between the mitoxantrone and ametatron anti-tumor compounds and DNA, irradiated by electromagnetic millimeter waves
276	Thoma	pVHL and GSK3 β cooperatively maintain the primary cilium
277	Skapek	Cell autonomous effects of the <i>Arf</i> tumor suppressor during eye development

278	Tian	Androgen receptor functions are regulated independently and to opposite directions through ubiquitination and SUMOylation
279	Kossatz	Testing the importance of p27 degradation by the SCF ^{Skp2} pathway in murine models of lung and colon cancer
280	Tomazou	Tumor immune escape—Does DNA methylation play a role?
281	Tschantz	Mechanisms of interfering with HPV-induced carcinogenesis by natural products
282	van Montfort	Identification of genes relevant for the development of murine small cell lung cancer using array CGH analysis
283	Vaskivuo	Azidothymidine induces p14ARF and enhances apoptosis induced by cisplatin and docetaxel
284	Vereide	EBNA1 is required for survival of EBV positive Burkitt's lymphomas potentially by regulating cellular promoters
285	Vilimas	Notch1-induced leukemogenesis is mediated by NF-κB
286	Villani	Interaction of the Hedgehog pathway and the insulin like growth factor axis in epidermal homeostasis and skin cancer
287	VOLTZ	Tumor-specific apoptosis—Potential and mechanism of action of the tumor necrosis factor-related apoptosis-inducing ligand signaling pathway
288	Vormer	RAS ^{V12} -induced transformation of MEFs requires down regulation of the pRB and p53 pathways
289	Wang	Skp2 mediates androgen-dependent proliferation of androgen-dependent prostate cancer cells
290	Watson	A new mouse model system to explore transcriptional diversity associated with hormone refractory prostate cancer progression
291	Persson	Differential regulation of the A-type cyclins in response to interleukin-6 is mediated by PI3-Akt and MAP-Erk1/2 pathways in prostate cancer cells
292	Lai	Growth inhibition and tumor suppression mediated by the Hippo signaling pathway
293	Wen	A mutant allele of MRE11 suppresses the cellular response to DNA replication forks stressed by dNTP imbalances
294	Wendel	Loss of p53 impedes the anti-leukemic response to BCR-ABL inhibition
295	Westermarck	Role of homology directed repair in brain tumorigenesis
296	Wu	Competent signaling along the CD95 pathway is independent of the pre-ligand binding assembly domain
297	Xie	The role of BACH1 in the mammalian MMR pathway
298	Xin	Prostatic carcinogenesis initiated from naïve epithelium by synergy between AKT and androgen receptor
299	Xu	Identification of glycolysis pathways as genetic modifiers of prostate phenotypes using parental strain expression mapping (PSEM)
300	Xu	A novel mouse lung cancer model based on ribonucleotide reductase over-expression

301	Yang	Characterization of mammalian soluble GFR α 4 as a modifier of the inherited cancer syndrome multiple endocrine neoplasia type 2 (MEN2)
302	Ye	Delineation of PRB- and p53-dependent and independent steps in HIRA/ASF1a-mediated formation of senescence-associated heterochromatin foci (SAHF)
303	Yee	The HBP1 transcriptional repressor regulates premature senescence and tumorigenesis
304	Yeh	Serum müllerian inhibiting substance is a novel biomarker of ovarian injury in female rats after treatment with cisplatin
305	Yokoyama	Regulation of histone acetylation and nucleosome assembly by transcription factor JDP2
306	Kato	Shuttling imbalance of MLF1 results in p53 instability and increases susceptibility to oncogenic transformation
307	You	Role for the cytoplasmic domain of TGF- β receptor III in TGF- β -mediated growth inhibition
308	Zender	Identification and validation of oncogenes in liver cancer using an integrative oncogenomic approach
309	Zhang	The molecular basis of tumor cell specific killing by HDAC inhibitors
310	Zhang	c-Jun-N-terminal kinase mediates hydrogen peroxide-induced cell death via sustained poly(ADP-ribose) polymerase-1 activation
311	Zhao	Global mapping of c-Myc binding sites and target gene networks in human B cell
312	HEYER	Genetically engineered mouse tumor models for preclinical drug development
313	Zhu	HOXB7 as a master regulator of multiple growth factor pathways involved in the development of tamoxifen resistance
314	Classon	The retinoblastoma protein is required for Ras-mediated transformation

Session 11 DNA DAMAGE AND REPAIR

SUNDAY 8/20/2006, 9:00 AM

A. Ashworth / J. Wang

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
315	Ashworth	Synthetic lethal approaches as potential therapies for tumors deficient in DNA repair pathways	15
316	Kemp	Mutation of DNA-PK reveals a DNA damage-induced apoptosis pathway that does not require p53	10
317	Kedde	Telomerase independent regulation of ATR by human telomerase RNA	10
318	Wang	Aberrant receptor editing/revision in NHEJ deficient mature B cells lead to lymphoma with immunoglobulin light chain translocations	10
319	Jonkers	Conditional mouse models of breast cancer	10
320	Litman	Functional characterization of BACH1 in DNA damage signaling	10
	Wang	Session Chair: no abstract	15
321	Joukov	BRCA1/BARD1 controls chromatin-driven mitotic spindle assembly	10
322	Xia	Control of BRCA2 cellular and clinical functions by a nuclear partner, PALB2	10

323	Macleod	PARP inhibition protects RB deficient cells against the cytotoxic effects of cisplatin—Implications for cancer therapy	10
324	Taniguchi	Genetic reversion as a mechanism of acquired resistance to cisplatin in BRCA2-mutated cancer cells	10