

## PTEN Pathways

**Session 1 PTEN/PI-3 KINASE PATHWAY ALTERATIONS IN HUMAN CANCER** WEDNESDAY 3/15/2006, 7:30 PM

G. Mills

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
1	Mills	Phosphatidylinositol 3 kinase pathway	25
	Cordon-Cardo	No Title	25
	Eng	No Title	25
2	Hernando	Role of the PTEN/Akt pathway in sarcomagenesis	12
3	Saal	PTEN loss is significantly associated to the basal-like subtype of breast cancer	12
4	Janssen	Predictive value of PTEN, Akt-pathway characteristics and proliferation in lymph node-negative invasive breast cancer patients under 55 years	12
5	Chibon	MAPH detection of PTEN large rearrangements in Cowden disease—Fine mapping and breakpoints sequencing of four deletions ranging from 13 to 660 kbp	12

**Session 2 PTEN REGULATION** THURSDAY 3/16/2006, 9:00 AM

M.-M. Georgescu

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
	Mak	No title	25
	Downes	No title	25
6	Devreotes	PTEN function in cell morphogenesis	25
7	Georgescu	PTEN in complex with NHERF proteins attenuates PGDF receptor signaling	25
8	Xiao	Tumor suppressor PTEN—The first molecule acting both as a phosphatase and a	12
9	Maccario	Role of phosphorylation in the regulation of PTEN phosphatase activity	12

**Session 3 POSTER SESSION I** THURSDAY 3/16/2006, 2:00 PM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
10	Amiri	eEF1A2 induces active filament remodeling through PI3K/Akt signaling	
11	Buck	Rapamycin synergizes with the EGFR kinase inhibitor erlotinib in non-small cell lung cancer tumor cell lines to inhibit cell proliferation	
12	Stambolic	Farnesylation-dependent localization of Rheb to the endomembrane is critical for its signaling function	
13	Eickholt	PTEN couples Sema3A signaling to growth cone collapse	
14	Chow	PTEN potentiates oligodendroglionogenesis in a mouse model	
15	Dann	The mTOR-S6K1 amino acid sensitive signaling pathway is regulated by the class III PI3K VPS34	
16	Davidson	Mechanism and function of localizing PTEN to the nucleus	

17	Denning	Nuclear localization as a mechanism for inhibiting the tumor suppressor properties of PTEN
18	Durbin	VEGF signaling through the Akt-mTOR axis in rhabdomyosarcoma—A role for ILK?
19	Eguchi	TOS and RAIP motifs of the translational regulator protein 4R-BP1 play different roles for the association with raptor and phosphorylation by mTOR in the regulation
20	Eickholt	Requirement of p110 $\delta$ , a class I PI 3-kinase highly enriched in the nervous system, for axonal growth and regeneration
21	Feng	The coordinate regulation of the p53 and IGF-1-AKT-mTOR pathways in cells
22	Vanhaesebroeck	Key role for the p110 $\alpha$ PI3K in growth and metabolic regulation

**Session 4 PI-3 KINASE, IRS, PDK1 & AKT SIGNALING**

THURSDAY 3/16/2006, 7:30 PM

L. Cantley

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
23	Alessi	PDK1 signaling	25
24	Cantley	Control of mTOR signaling by LKB1/AMPK versus PI3K/AKT	25
25	Shaw	IRS-1 and IRS-2 play distinct roles in mammary tumor progression	25
26	Rickert	Suppression of B cell lymphoma by SHIP in the absence of PTEN	12
27	Ross	EGFRvIII expression and PTEN loss synergistically induce chromosomal instability and glial tumors	25

**Session 5 AKT & FOXO SIGNALING**

FRIDAY 3/17/2006, 9:00 AM

A. Brunet

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
	Parsons	No title	25
	Pandolfi	No title	25
28	Hemmings	The PIKKy mechanisms of PKB/Akt regulation by hydrophobic motif phosphorylation	25
29	Brunet	FOXO transcription factors in longevity	25
	Trotman	Title only: Ubiquitination regulates nuclear PTEN import and tumor suppression as revealed by inherited mutation	12
30	Fu	Regulation of the activity and degradation of FoxO factors by HDM2 in cancer cells	12

**Session 6 TSC & mTOR SIGNALING**

FRIDAY 3/17/2006, 7:30 PM

S. Baker

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
31	Thomas	The role of the nutrient input in TSC1/2-Rheb mediated mTOR signaling	25
	Holland	No Title	25
32	Sabatini	Regulation of growth by the mTOR pathway	25
33	Baker	Pten signaling and growth regulation in brain	25
34	Cichowski	The NF1 tumor suppressor is a critical component of the mTOR pathway	12

**Session 7 PTEN PATHWAYS, DEVELOPMENT & METABOLIC DISEASES**

SATURDAY 3/18/2006, 9:00 AM

D. Accili

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
35	Accili	Regulation of metabolism and cellular differentiation by the <i>forkhead</i> transcription factor, Foxo1	25
	Abeliovich	Title only: Oxidative stress and the PTEN pathway in Parkinson's disease	25
36	White	Heterologous regulation of the IRS-protein signaling cascade	25
37	Zhou	PTEN regulates neuronal arborization and social interaction in mice	12
38	Dillin	SMK-1, an essential regulatory of DAF-16 mediated longevity	25
39	Faucherre	Characterization of zebrafish PTEN mutants	12
40	Vanhaesebroeck	Ultrasensitive quantification of the PI3K/Akt signaling pathway	25

**Session 8 POSTER SESSION II**

SATURDAY 3/18/2006, 2:00 PM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
41	Geraghty	Role of 14-3-3s in the regulation of glucose mobilization in response to growth	
42	Gericke	Spectroscopic characterization of PTEN/PI(4,5)P <sub>2</sub> interaction	
43	Hafizi	Subcellular localization of C1-TEN domains	
44	Hill	Disruption of the radial glial scaffold and marginal zone accompany neuronal migration defects in the PTEN deficient cerebral cortex	
45	Knobbe	Molecular genetic analysis of the PH domain leucine-rich repeat protein phosphatase ( <i>PHLPP</i> ) gene in malignant gliomas	
46	Liu	Cell cycle-dependent subcellular localization of PTEN tumor suppressor is regulated by the PI3K/Akt/mTOR/p70S6K signaling cascade	
47	Foti	PTEN and SHIP2 control distinct pathways activated by insulin in CHO/IR cells	
48	Molina	The intramolecular interaction of NHERF1 PDZ-domains with its carboxy-terminal PDZ motif decreases the affinity of NHERF1 for PTEN tumor suppressor	
49	Peralba	Evidence for modulation of the Akt/TSC/mTOR and MAPK pathways by retinoblastoma protein	
50	Jacinto	Regulation of mammalian TOR complexes in SIN1	
51	Tolman	Isoform selective inhibition of phosphatidylinositol 3-kinase reveals a critical role for the p110 $\beta$ catalytic subunit in prostate cancers harboring PTEN deletions	
52	Wong	Expressions of PTEN, PI3K and Akt in endometrial cancer and their clinico-pathologic relevance	
53	Muise-Helmericks	Activation of Akt3 via a VEGF- and S1P3/Edg3-dependent pathway controls mitochondrial biosynthesis in primary endothelial cells	

**Session 9 THERAPY**

SUNDAY 3/19/2006, 9:00 AM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
	S. Lowe		
	Rosen	No Title	25
	Sellers	No Title	25
54	Matthews	Targeting aberrant PI-3 kinase/PTEN signaling with a dual specificity Akt/p70S6 kinase inhibitor	25
55	Manning	Differential regulation of PI3K-Akt signaling in TSC cells and tumors triggered by a rapamycin-sensitive feedback loop	12