



CANCER PREVENTION &
RESEARCH INSTITUTE OF TEXAS

Oversight Committee Meeting
Research Programs
November 2, 2011

RECRUITMENT AWARD SLATE

Candidate	Award Mechanism	Successfully Recruited	Amount Requested	Nominating Institution	Candidate's Present Institution
Lynda Chin	Established Investigators	Yes	\$5,000,000	The University of Texas System	Harvard Medical School
James Allison	Established Investigators	Pending	\$10,000,000	University of Texas MD Anderson Cancer Center	Memorial Sloan-Kettering Cancer Center
Phillip Futreal	Established Investigators	Yes	\$7,000,000	University of Texas MD Anderson Cancer Center	Wellcome Trust Sanger Institute
Daisuke Nakada	First-Time, Tenure-Track Faculty Members	Yes	\$2,000,000	Baylor College of Medicine	University of Michigan
Jason Upton	First-Time, Tenure-Track Faculty Members	Yes	\$2,000,000	University of Texas at Austin	Emory University School of Medicine
Joshua Coon	Missing Links	Pending	\$2,000,000	University of Texas at Austin	University of Wisconsin-Madison

RECRUITMENT (BY INSTITUTION) – YEAR 2

Institution	Approved/ Recruited	Pending Appl. Decision	Pending Review	Disapproved	Approv-Lost	Total	Lost To:
Baylor Coll Med.	2			2		4	
Baylor Institute						0	
Methodist Res. Inst.	2					2	
Rice	2					2	
Texas Tech (all)				2		2	
U. of Houston						0	
UT Austin	5				1	6	? (Oliver)
UT Dallas				1		1	
UT El Paso						0	
UT San Antonio				1		1	
UTHSCH				2		2	
UTHSCSA				4		4	
UTMB	1			1		2	
UTMDACC	3	2		2		7	
UTSW	7			1	2	10	MIT, UC Berkeley
TOTALS	22	2	0	16	3	43	

RECRUITMENT (SUCCESSFULLY RECRUITED) – YEAR 2

Institution	First Time	Rising Stars	Established	Missing Links	Total
Baylor Coll Med.	2				2
Baylor Institute					0
Methodist Res. Inst.			2		2
Rice			2		2
Texas Tech (all)					0
U. of Houston					0
UT Austin	5				5
UT Dallas					0
UT El Paso					0
UT San Antonio					0
UTHSCH					0
UTHSCSA					0
UTMB				1	1
UTMDACC		2	1		3
UTSW	4		1	2	7
TOTALS	11	2	6	3	22

RECRUITMENT (BY INSTITUTION) – YEARS 1-3

Institution	Approved/ Recruited	Pending Appl. Decision	Pending Review	Disapproved	Lost	Total
Baylor Coll Med.	2			4		6
Baylor Institute				1		1
Methodist Res. Inst.	2					2
Rice	2					2
TAMU			1			1
Texas Tech (all)				2		2
U. of Houston				1		1
UT Austin	6	1		1	1	9
UT Dallas				2		2
UT El Paso				1		1
UT San Antonio				1		1
UTHSCH	2			5		7
UTHSCSA	1			5		6
UTMB	1			1		2
UTMDACC	6	2		5	3	16
UTSW	11			1	3	15
TOTALS	33	3	1	30	7	74

RECRUITMENT (SUCCESSFULLY RECRUITED) – YEARS 1-3

Institution	First Time	Rising Stars	Established	Missing Links	Total
Baylor Coll Med.	2				2
Baylor Institute					0
Methodist Res. Inst.			2		2
Rice			2		2
TAMU					0
Texas Tech (all)					0
U. of Houston					0
UT Austin	6				6
UT Dallas					0
UT El Paso					0
UT San Antonio					0
UTHSCH	2				2
UTHSCSA	1				1
UTMB				1	1
UTMDACC	1	3	2		6
UTSW	6	1	2	2	11
TOTALS	18	4	8	3	33

CORE FACILITY RESEARCH AWARDS

Received	Reviewed	Discussed	Total Amount Requested	Approved	Total Amount Approved
22	22	14	\$ 101,074,561	8	\$ 25,548,928

HIGH-IMPACT/HIGH RISK RESEARCH AWARDS

Received	Reviewed	Discussed	Total Amount Requested	Approved	Total Amount Approved
103	103	53	\$ 20,436,628	12	\$ 2,399,789

INDIVIDUAL INVESTIGATOR RESEARCH AWARDS

Received	Reviewed	Discussed	Total Amount Requested	Approved	Total Amount Approved
409	125	78	\$ 407,927,424	39	\$ 38,230,344

CORE FACILITY SUPPORT RESEARCH AWARDS SLATE

App ID	PI	Title	Organization	Total Recommended
RP120348	Shen, Jianjun	The University of Texas MD Anderson Cancer Center Science Park Next-Generation Sequencing Facility	The University of Texas M. D. Anderson Cancer Center	\$ 5,995,917
RP120613	Mirzaei, Hamid	Develop cutting-edge proteomics core facility based on high resolution, high accuracy mass spectrometry and high throughput, web-based bioinformatics technology	The University of Texas Southwestern Medical Center	\$ 4,400,000
RP120092	Edwards, Dean P	Proteomics and Metabolomics Core Facility	Baylor College of Medicine	\$ 6,000,000
RP120617	Gustafsson, Jan-Åke	Advanced in vivo imaging of tumor initiation and progression	University of Houston	\$ 990,286
RP120611	Motamedi, Massoud	Small Animal Cancer Imaging Core	The University of Texas Medical Branch at Galveston	\$ 578,204
RP120510	Woo, Jung H	Investigational New Drug Production Core Facility at Scott and White Cancer Research Institute	Scott & White Healthcare	\$ 3,584,521
RP120528	Nahleh, Zeina	Establishing a Cancer Clinical Research Core facility at Texas Tech University Health Science Center in El Paso	Texas Tech University Health Sciences Center (El Paso)	\$ 1,500,000

CORE FACILITY SUPPORT RESEARCH AWARDS SLATE

App ID	PI	Title	Organization	Total Recommended
RP120495	Leff, Richard D	North Texas Clinical Pharmacology Cancer Core	Texas Tech University Health Sciences Center (Dallas)	\$ 2,500,000

CORE FACILITY RESEARCH AWARDS

Received	Reviewed	Discussed	Total Amount Requested	Approved	Total Amount Approved
22	22	14	\$ 101,074,561	8	\$ 25,548,928

HIGH-IMPACT/HIGH RISK RESEARCH AWARDS

Received	Reviewed	Discussed	Total Amount Requested	Approved	Total Amount Approved
103	103	53	\$ 20,436,628	12	\$ 2,399,789


INDIVIDUAL INVESTIGATOR RESEARCH AWARDS

Received	Reviewed	Discussed	Total Amount Requested	Approved	Total Amount Approved
409	125	78	\$ 407,927,424	39	\$ 38,230,344

FY12, CYCLE 1 BY INSTITUTION

Institution	Total Amount Awarded
Baylor College of Medicine	\$ 10,964,056
Scott & White Healthcare	\$ 3,584,521
Texas A&M University	\$ 399,999
Texas Tech University	\$ 199,994
Texas Tech University Health Sciences Center (Abilene)	\$ 756,644
Texas Tech University Health Sciences Center (Amarillo)	\$ 936,652
Texas Tech University Health Sciences Center (Dallas)	\$ 2,500,000
Texas Tech University Health Sciences Center (El Paso)	\$ 1,500,000
The University of Texas at Arlington	\$ 1,295,905
The University of Texas at Austin	\$ 5,417,877
The University of Texas at Dallas	\$ 1,259,790
The University of Texas at San Antonio	\$ 698,120
The University of Texas Health Science Center at San Antonio	\$ 2,042,261
The University of Texas M. D. Anderson Cancer Center	\$ 22,590,415
The University of Texas Medical Branch at Galveston	\$ 578,204
The University of Texas Southwestern Medical Center	\$ 10,464,337
University of Houston	\$ 990,286

FY12, CYCLE 2

- **Peer review meetings to be held February/March 2012**
 - **Multi-Investigator applications: 45 to be reviewed, \$327M requested**
 - **Shared Instrumentation Applications**
 - **Bridging the Gap: Early Translational Research Awards Applications**
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HIGH-IMPACT/HIGH- RISK RESEARCH AWARDS SLATE

App ID	PI	Title	Organization	Total Recommended
RP120314	Georgiou, George	Engineering and Preliminary Evaluation of a Fully Human, Non-Immunogenic Asparaginase For the Treatment of L-Asn Auxotrophic Cancers	The University of Texas at Austin	\$ 200,000
RP120429	Chen, Zhilei	A Lentivirus-Mediated Dual Library, Dual Selection Approach for the Identification of Surface Biomarkers and Antibodies Specific to Cancer Cells	Texas A&M University	\$ 200,000
RP120190	Sudarshan, Sunil	Oncometabolites in Renal Cancer	The University of Texas Health Science Center at San Antonio	\$ 199,902
RP120507	Marcotte, Edward M	Massively Parallel Protein Identification for Cancer Biomarker Discovery	The University of Texas at Austin	\$ 199,927
RP120340	Chiang, Cheng-Ming	Arginine Methylation Link to HPV-16-Induced Cervical Cancer	The University of Texas Southwestern Medical Center	\$ 200,000
RP120093	Hofmann, Sandra L	Protein Palmitoyltransferases as Novel Therapeutic Targets for Acquired Lung Cancer Vulnerabilities	The University of Texas Southwestern Medical Center at Dallas	\$ 200,000
RP120016	DeMartino, George N	Small molecule inhibitors of proteasome assembly: a new strategy for cancer therapy	The University of Texas Southwestern Medical Center	\$ 200,000

HIGH-IMPACT/HIGH- RISK RESEARCH AWARDS SLATE

App ID	PI	Title	Organization	Total Recommended
RP120028	Chapkin, Robert S	Targeting prostaglandin substrate availability in colon cancer: Characterization of a novel arachidonic acid-deficient mouse model	Texas A&M University	\$ 199,999
RP120372	Aguiar, Ricardo	A next-generation sequencing strategy to identify chromosomal translocations targeting the immunoglobulin loci in B-cell malignancies	The University of Texas Health Science Center at San Antonio	\$ 200,000
RP120422	Bickel, Ulrich	Simultaneous Vascular Targeting and Tumor Targeting of Cerebral Breast Cancer Metastases Using a T Cell Receptor Mimic Antibody	Texas Tech University Health Sciences Center (Amarillo)	\$ 199,967
RP120572	Tang, Liping	Development of cancer traps for prolonging lifespan by eliminating metastatic cancer cells	The University of Texas at Arlington	\$ 200,000
RP120053	Li, Changzhi	Beam-Scanning Radar for Tumor Tracking in Lung Cancer Radiotherapy	Texas Tech University	\$ 199,994

INDIVIDUAL INVESTIGATOR RESEARCH AWARDS SLATE

App ID	PI	Title	Organization	Total Recommended
RP120505	Davies, Michael A	Clinical and molecular characterization of combined BRAF and MEK inhibitor treatment in patients with metastatic melanoma resistant to BRAF inhibitor alone	The University of Texas M. D. Anderson Cancer Center	\$ 1,016,800
RP120217	Dong, Chen	Role of IL-17 family cytokines in colon inflammation and cancer	The University of Texas M. D. Anderson Cancer Center	\$ 1,285,789
RP120307	Wright, Woodring E	Factors Influencing Telomerase Action (Assembly, Modification, Recruitment, Activation): Potential Targets for Telomerase Inhibition Cancer Therapy	The University of Texas Southwestern Medical Center	\$ 1,002,052
RP120489	Smith, Quentin R	Transporter-Targeted Drug Delivery and Treatment of Brain Metastases of Breast Cancer	Texas Tech University Health Sciences Center (Amarillo)	\$ 736,685
RP120390	Naora, Honami	Control of cross-talk between ovarian cancer cells and the tumor microenvironment	The University of Texas M. D. Anderson Cancer Center	\$ 727,029
RP120046	Scott, Kenneth L	Mining the oncogenome: Functional genomics approaches for screening mutation drivers of pancreatic ductal adenocarcinoma.	Baylor College of Medicine	\$ 803,179
RP120298	Savoldo, Barbara	Chimeric T cells for therapy of Hodgkin Lymphomas and CD30+ Non Hodgkin Lymphomas	Baylor College of Medicine	\$ 905,975

INDIVIDUAL INVESTIGATOR RESEARCH AWARDS SLATE

App ID	PI	Title	Organization	Total Recommended
RP120459	Tucker, Philip W	Contribution of the BRIGHT transcription factor to autoimmune Diffuse Large B-cell Lymphoma	The University of Texas at Austin	\$ 947,367
RP120076	Bertuch, Alison A	Novel mechanisms leading to telomere dysfunction and cancer predisposition	Baylor College of Medicine	\$ 937,896
RP120262	Parada, Luis F	Functional and structural characterization of small chemical compounds that arrest glioma stem cell growth with high activity and specificity	The University of Texas Southwestern Medical Center	\$ 1,499,532
RP120394	Jeter, Collene R	Molecular Oncogenesis of NANOG in Castration-Resistant Prostate Cancer	The University of Texas M. D. Anderson Cancer Center	\$ 664,248
RP120108	Sharma, Padmanee	Improving on Anti-CTLA-4 Therapy	The University of Texas M. D. Anderson Cancer Center	\$ 1,378,796
RP120280	Wu, Xiangwei	Chemoprevention of Colon Cancer by Targeting APC-deficient Cells for Apoptosis	The University of Texas M. D. Anderson Cancer Center	\$ 790,550
RP120343	Vokes, Steven A	Gli Transcriptional Activity in Basal Cell Carcinomas	The University of Texas at Austin	\$ 659,495

INDIVIDUAL INVESTIGATOR RESEARCH AWARDS SLATE

App ID	PI	Title	Organization	Total Recommended
RP120380	Tang, Dean G	Distinct microRNAs Regulate Prostate Cancer Stem Cells	The University of Texas M. D. Anderson Cancer Center	\$ 750,000
RP120290	Sun, Luzhe	Targeting hedgehog pathway for prostate cancer treatment	The University of Texas Health Science Center at San Antonio	\$ 875,252
RP120194	Iyer, Vishwanath R	Defining and Subverting Allele-Specific Regulatory Networks in Cancer	The University of Texas at Austin	\$ 1,125,799
RP120256	Yung, W. K. Alfred	Identify signature profile for sensitivity/resistance to PI3K pathway inhibitors to predict response to therapy in Glioblastoma.	The University of Texas M. D. Anderson Cancer Center	\$ 1,000,179
RP120352	Chook, Yuh Min	Mechanisms of CRM1-mediated nuclear export in cancer	The University of Texas Southwestern Medical Center	\$ 684,209
RP120474	Jiang, Qiu-Xing	Enabling the structure determination of functional human telomerase holoenzyme	The University of Texas Southwestern Medical Center	\$ 681,709
RP120451	Claret, Francois X	Novel Strategy for Treatment of HER2-Positive Breast Cancer	The University of Texas M. D. Anderson Cancer Center	\$ 864,748

INDIVIDUAL INVESTIGATOR RESEARCH AWARDS SLATE

App ID	PI	Title	Organization	Total Recommended
RP120124	Flores, Elsa R	Investigating the roles of p63 in miRNA regulation in EMT and metastatic breast cancer	The University of Texas M. D. Anderson Cancer Center	\$ 1,137,202
RP120138	Moore, David D	Nuclear receptors and Hippo signaling in liver cancer	Baylor College of Medicine	\$ 1,214,977
RP120168	Karbowniczek, Magdalena	Identification of Rheb and Notch-dependent Pathways in Tuberous Sclerosis Complex	Texas Tech University Health Sciences Center (Abilene)	\$ 756,644
RP120316	Lin, Xin	CBM complex-mediated signaling pathways as potential therapeutic targets for EGFR-induced cancer	The University of Texas M. D. Anderson Cancer Center	\$ 915,974
RP120406	Dalby, Kevin N	A New Role for Triptan Drugs in the Treatment of Breast Cancer	The University of Texas at Austin	\$ 1,010,289
RP120583	Westbrook, Thomas	A New Functional Genomics Approach to Discovering Therapeutic Targets for Breast Cancer	Baylor College of Medicine	\$ 1,102,029
RP120052	Yuan, Baohong	Super-high resolution imaging of tumor angiogenesis in deep tissue	The University of Texas at Arlington	\$ 1,095,905

INDIVIDUAL INVESTIGATOR RESEARCH AWARDS SLATE

App ID	PI	Title	Organization	Total Recommended
RP120094	Gao, Jinming	Turn ON the Tumor Contrast for Surgical Resection of Head and Neck Cancers	The University of Texas Southwestern Medical Center	\$ 965,257
RP120326	Shao, Yiping	In-Situ PET Imaging for Adaptive Proton Therapy	The University of Texas M. D. Anderson Cancer Center	\$ 1,271,284
RP120558	Ye, Jing Yong	Development of a Novel High-resolution Photoacoustic Microscopy System for Noninvasive in vivo Imaging of Melanoma	The University of Texas at San Antonio	\$ 698,120
RP120588	Zheng, Jie	Targeting the Acidic Tumor Microenvironment with Renal Clearable and pH Responsive Luminescent Gold Nanoparticles	The University of Texas at Dallas	\$ 1,259,790
RP120393	Sessler, Jonathan L	Preclinical Development of Texaphyrin-Platinum Conjugates	The University of Texas at Austin	\$ 1,275,000
RP120214	Coleman, Robert L	Clinical Translation of Therapeutic siRNA in Solid Malignancies	The University of Texas M. D. Anderson Cancer Center	\$ 1,379,098
RP120408	Gutstein, Howard B	Anti-Cancer Drugs to Treat Cancer Pain	The University of Texas M. D. Anderson Cancer Center	\$ 913,322

INDIVIDUAL INVESTIGATOR RESEARCH AWARDS SLATE

App ID	PI	Title	Organization	Total Recommended
RP120241	Cooper, Laurence	T-Cell Therapy After Hematopoietic Stem Cell Transplantation	The University of Texas M. D. Anderson Cancer Center	\$ 1,359,672
RP120258	Myers, Jeffrey N	Towards Personalized Cancer Therapy: Stratification of Oral and Pharyngeal Cancer Based on p53 Mutational Status	The University of Texas M. D. Anderson Cancer Center	\$ 1,139,807
RP120462	Pollock, Bradley H	Environmental Determinants of Hepatocellular Carcinoma in South Texas	The University of Texas Health Science Center at San Antonio	\$ 767,107
RP120311	Janowski, Bethany A	Regulation of Cyclooxygenase-2 (COX-2) Gene Expression by Noncoding RNAs in Cancer	The University of Texas Southwestern Medical Center at Dallas	\$ 631,578