

**8th Annual CCR and DCEG
Staff Scientist and Staff Clinician Retreat**

No.	Presenting Author	Poster session	Category	Title
1	LAKSHMI BALAGOPALAN	AM	Basic Research	Enhanced T cell signaling in cells bearing LAT molecules resistant to ubiquitylation
2	VALARIE BARR	AM	Basic Research	Development of nanoscale structure in TCR signaling complexes
3	JURAJ BIES	AM	Basic Research	The Tumor Suppressor p15Ink4b Regulates Differentiation and Maturation of Conventional Dendritic Cells
4	ECKART BINDEWALD	AM	Basic Research	NanoFolder: Multi-strand Secondary Structure Prediction and Sequence Design of RNA Nanoparticles
5	MARIO J BORGNIA	AM	Basic Research	The soluble HIV-1 immunogen gp140 recapitulates the conformational transitions observed in the native envelope glycoprotein.
6	JIANBO CHEN	AM	Basic Research	Live-Cell Imaging Analysis of HIV-1 RNA Trafficking and RNA-RNA Interaction
7	JEFFREY CHIANG	AM	Basic Research	Cbl restricts T cell differentiation by inhibiting Lck-mediated PI3K activation
8	SWATI CHOKSI	AM	Basic Research	Role of TRADD in Skin Carcinogenesis
9	EUN JOO CHUNG	AM	Basic Research	Fibrogenic Doses of Radiation Induce a Senescence Gene Expression Signature in Mouse Lung
10	SIDDHARTHA DATTA	AM	Basic Research	On the Role of the SP1 Domain in HIV-1 Particle Assembly: a Molecular Switch.
11	KRISTA DELVIKS FRANKENBERRY	AM	Basic Research	The Potential of PreXMRV-1 and PreXMRV-2 to Recombine and Generate Replication Competent-Virus
12	KATHLEEN FLANDERS	AM	Basic Research	In vivo analysis of Smad signaling complexes by proximity ligation assay (PLA)
13	HAIQING FU	AM	Basic Research	Methylated H3K79 associates with replication origins and helps limit DNA replication once per cell cycle
14	LILIANA GUEDEZ	AM	Basic Research	TIMP-2 is a Negative Regulator of Myeloid Suppressor Cells in Non-Small Cell Lung Cancer (NSCLC)
15	O. M. ZACK HOWARD	AM	Basic Research	Pmel17 (SILV or gp100) Tumor Antigen acts as a Subvertin
16	HYUNBUM JANG	AM	Basic Research	Modeling Alzheimer's β -Amyloid(1-42) Ion Channels in Lipid Bilayers Formed by D- and L-Enantiomers and Mutants
17	WOJCIECH KASPRZAK	AM	Basic Research	The Influence of RNA Dynamics on Nanostructure Assembly
18	MARIA KIREEVA	AM	Basic Research	Mechanism of mammalian RNA polymerase II tolerance to anti-viral NTP analogues
19	APARNA KOTEKAR	AM	Basic Research	Bidirectional Transcription of the Upstream Regulatory Region may serve a Regulatory Role in MHC Class I Transcription
20	AMIT KUMAR	AM	Basic Research	Defective extra embryonic tissue development in PA1 (PTIP-associated 1) mutant is caused by reduced BMP2 levels/signaling

**8th Annual CCR and DCEG
Staff Scientist and Staff Clinician Retreat**

No.	Presenting Author	Poster session	Category	Title
21	JAMES LAUTENBERGER	AM	Basic Research	Lack of Close Similarity between the Noble Rat and Common Inbred Laboratory Rat Strains
22	DALE LEWIS	AM	Basic Research	Auto-regulation of PRM is dependent on the Angular Orientation of DNA-bound CI and RNA Polymerase
23	ZHIHUI LIU	AM	Basic Research	CASZ1 suppresses neuroblastoma growth by recruiting epigenetic modifier NuRD and restoring Rb activity
24	RUIBAI LUO	AM	Basic Research	The GTP-binding protein-like domain of AGAP1 is a protein binding site that allosterically regulates ArfGAP catalytic activity
25	VLADIMIR MAJERCIK	AM	Basic Research	Genome-wide Analysis of Viral RNA Polyadenylation in Kaposi Sarcoma-associated Herpesvirus Infection
26	PAUL MITTELSTADT	AM	Basic Research	Endogenous glucocorticoids set avidity thresholds for thymocyte selection and are required for immunologic fitness
27	MICHAEL PENDRAK	AM	Basic Research	Controlling the State of Ribosomal RNA Processing through ATP-binding to a Natively-unfolded Protein Hbr1p in the human pathogenic fungus, <i>Candida albicans</i>
28	XIAOLAN QIAN	AM	Basic Research	Neoplastic transformation following Dlc1 gene disruption identifies a link between cytoplasmic CDK4/6 and the small GTPases (Cdc42 and Rho) via activation of Dbl
29	ALISON RATTRAY	AM	Basic Research	Elevated mutation in meiosis in <i>Saccharomyces cerevisiae</i>
30	PRASHANT SHARMA	AM	Basic Research	Insight into SUMO pathway specificity by analysis of combined SUMO1 and SENP1 mutant mice
31	HEATHER SHIVE	AM	Basic Research	Brca2 has dual roles in gonad development and tumorigenesis in zebrafish
32	ROBERT SHROFF	AM	Basic Research	Histone H2A phosphorylation in response to meiotic DNA double-strand breaks.
33	MARKUS SITZMANN	AM	Basic Research	PDB Ligand Conformational Energies Calculated Quantum-Mechanically.
34	CHRISTINA STUELTEN	AM	Basic Research	Random and Directed Cell Migration During Breast Cancer Progression
35	MYONG-HEE (MIA) SUNG	AM	Basic Research	Spatial Congregation of STAT Binding Directs Selective Nuclear Architecture during T Cell Functional Differentiation
36	LYNN THOMASON	AM	Basic Research	Recombineering: Recombination-mediated Genetic Engineering
37	TOMMY TURBYVILLE	AM	Basic Research	A Natural Product, Schweinfurthin A, Inhibits the Growth Kinetics of Malignant Peripheral Sheath Tumor Cells with Quantitative Effects on Actin Cytoskeleton Morphology
38	VICTORIA VIRADOR	AM	Basic Research	Targeted Expression of Human BAG3 to the Murine Mammary Gland (MMTV-hBAG3) Dysregulates Mammary Gland Development and Differentiation and Promotes Hyperplasia

**8th Annual CCR and DCEG
Staff Scientist and Staff Clinician Retreat**

No.	Presenting Author	Poster session	Category	Title
39	ABDUL WAHEED	AM	Basic Research	VPU can stabilize tetherin expression while counteracting its antiviral properties
40	WANPINGX XU	AM	Basic Research	Dynamic tyrosine phosphorylation modulates cycling of the Hsp90-p50Cdc37-Aha1 chaperone machine.
41	YANLIN YU	AM	Basic Research	Identification of PHLPP1 as a novel metastasis suppressor in melanoma
42	HONGLIANG ZHANG	AM	Basic Research	DNA Topoisomerase II Facilitates Mitochondrial DNA (mtDNA) D-loop Formation by Securing Its Edges
43	SHULING ZHANG	AM	Basic Research	mTOR Deficiency in Mice Impairs Germinal Center Formation, Antibody Production and Maturation, and Humoral Response to Bacterial Infection
44	XUE ZHI ZHAO	AM	Basic Research	Dihydroxy-oxoisindoline-sulfonamide Based HIV-1 Integrase Inhibitors
45	JIANJIAN ZHU	AM	Basic Research	Role of Brachyury/T gene in notochord development and implications for therapeutic targeting in Chordoma
46	GABRIELLA ANDREOTTI	AM	Epidemiology/ Bioinformatics	LINE-1 %5-methyl cytosine levels in pre-diagnostic leukocyte DNA and future bladder cancer risk
47	SANJEEVE BALASUBRAMANIAM	AM	Epidemiology/ Bioinformatics	Thyroid and endocrine disorders as risk factors for thyroid cancer among men
48	SVEN BILKE	AM	Epidemiology/ Bioinformatics	Predicting the 3d DNA structure of the human genome
49	SEAN DAVIS	AM	Epidemiology/ Bioinformatics	Bioconductor: Open Source Tool for the Analysis and Comprehension of Genomic Data
50	RONI FALK	AM	Epidemiology/ Bioinformatics	Relationship of Serum Estrogens and Estrogen Metabolites to Breast Cancer Risk
51	HOWARD YANG	AM	Epidemiology/ Bioinformatics	Integrated studies of breast cancer subtypes with exon array and RNA-seq data

No.	Presenting Author	Poster session	Category	Title
52	VAL BLISKOVSKY	PM	Technology Development	The DNA Sequencing and Digital Gene Expression Core
53	JOSIP BLONDER	PM	Technology Development	Profiling Ewings Sarcoma Molecular Phenotype Using Concurrent LC-MS Profiling of Tissue, Blood and a Corresponding Cell Line: a Method Development
54	BRUCE CRISE	PM	Technology Development	Advanced Technology Program: Core Services and Technology Development for NCI Researchers
55	BILL GILLETTE	PM	Technology Development	Core Services Available at the Protein Expression Laboratory (PEL)
56	BAILEY KESSING	PM	Technology Development	The BSP CCR Genetics CoreA complete solution for CCR investigators research needs

**8th Annual CCR and DCEG
Staff Scientist and Staff Clinician Retreat**

No.	Presenting Author	Poster session	Category	Title
57	SVETLANA KOTLIAROVA	PM	Technology Development	Improved Protocol for Native RNA Immunoprecipitation Combined with Next Generation Sequencing (RIP-Seq) Identifies ELEV2 RNA binding Pool in Glioma
58	ATHAR MASOOD	PM	Technology Development	Quantitation of Monophosphorylated Lipid-A in the Oil-in-Water Adjuvant Vaccine Delivery System Using Transesterification and GC-MS
59	KIM PEIFLEY	PM	Technology Development	Optical Microscopy and Analysis Laboratory
60	ANU PURI	PM	Technology Development	Lipid-based Phototriggerable Platforms for Improved Delivery of Anticancer Drugs
61	ANDREW STEPHEN	PM	Technology Development	The Protein Chemistry Laboratory at Frederick National Laboratory for Cancer Research
62	XIAOYING YE	PM	Technology Development	A Method Development for Comparative Proteomic Profiling of Human Breast Cell Lines Exposed to the Phytoestrogen Genistein
63	RANDY CHANDLER	PM	Translational/Clinical Research	Demonstration of pre-clinical efficacy of rAAV8 gene transfer as a treatment for methylmalonic acidemia using a vector suitable for human clinical trials
64	EDWARD COWEN	PM	Translational/Clinical Research	Imatinib mesylate for the treatment of sclerotic skin chronic graft-versus-host disease
65	PATRICIA DAY	PM	Translational/Clinical Research	An HPV in vitro neutralization assay that recapitulates the in vivo process of infection provides a sensitive measure of L2 infection-inhibiting antibodies
66	AUSTIN DUFFY	PM	Translational/Clinical Research	Comparative analysis of Myeloid-Derived Suppressor Cell (MDSC) subsets in patients with Gastrointestinal (GI) Malignancies.
67	JUN FANG	PM	Translational/Clinical Research	The processed pseudogene POU5F1P1 in 8q24 is expressed in tumor and shows oncogenicity
68	JEAN-PIERRE GILLET	PM	Translational/Clinical Research	New strategy to reverse MDR tumors: study of hepatocellular carcinoma
69	SIKANDAR KHAN	PM	Translational/Clinical Research	Patients with the rare DNA repair disease overlap syndrome xeroderma pigmentosum and trichothiodystrophy (XP/TTD) are at high risk for skin and internal cancers
70	KEITH KILLIAN	PM	Translational/Clinical Research	A standard operating procedure (SOP) for molecular diagnostic next-gen sequencing (NGS) of pooled cancer biopsy specimens that includes end-point positive verification of sample source: Bridging resource-effective experimental NGS and clinical testing standards
71	KAREN KURDZIEL	PM	Translational/Clinical Research	The Kinetics and Reproducibility of 18F-Sodium Fluoride (NaF) PET imaging

**8th Annual CCR and DCEG
Staff Scientist and Staff Clinician Retreat**

No.	Presenting Author	Poster session	Category	Title
72	MELINDA MERCHANT	PM	Translational/Clinical Research	Ipilimumab: Interim Results of a phase I trial in pediatric patients with advanced solid tumors
73	RIMAS ORENTAS	PM	Translational/Clinical Research	Cell Surface Proteins Expressed in Pediatric Cancer: Bioinformatics Meets Personalized Immunotherapy
74	MELISSA PAOLONI	PM	Translational/Clinical Research	Prospective molecular profiling of canine cancers provides a comparative model for evaluating Personalized Medicine clinical trials
75	CHRISTOPHE REDON	PM	Translational/Clinical Research	Gamma-H2AX and other histone post-translational modifications in the clinic
76	ANITA TANDLE	PM	Translational/Clinical Research	A small RNA interference screen of genes involved in DNA repair identifies genes mediating radiosensitivity in glioblastoma
77	TOMAS VILIMAS	PM	Translational/Clinical Research	Implementation of non-germline genetic mouse models for preclinical evaluation of cancer therapeutics
78	JUN WEI	PM	Translational/Clinical Research	Exome and transcriptome sequencing of multiple tumors reveals a stable expressed somatic mutation profile in a patient with metastatic neuroblastoma
79	GIRMA WOLDEMICHAEL	PM	Translational/Clinical Research	A Natural Products Based High-throughput Screening Approach to Targeting Renal Cell Carcinoma
80	LIQIANG XI	PM	Translational/Clinical Research	Quantitative MGMT Promoter Methylation Analysis Using Bisulfite Pyrosequencing for Molecular Diagnostic Testing in Glioblastoma Multiforme
81	TEIZO YOSHIMURA	PM	Translational/Clinical Research	Monocyte chemoattractant protein-1(MCP-1)/CCL2 produced by non-tumor cells promotes spontaneous lung metastasis of 4T1 murine breast cancer cells.
82	MATTHEW YOUNG	PM	Translational/Clinical Research	Biomarkers of response to dietary interventions for colon cancer prevention
83	BARRY ZEEBERG	PM	Translational/Clinical Research	Prospects for Prediction of Drug Sensitivity in Clinical Samples Based on the NCI-60 Cell Lines Database of Drug Sensitivity/Gene Expression
84	ENRIQUE ZUDAIRE	PM	Translational/Clinical Research	Rapid discovery of novel antiangiogenic drugs using a phenotypic profiling platform with high predictive value for in vivo preclinical models of cancer