CCR MANUSCRIPT NOTIFICATION (JUNE 2012)

Laboratory of Immune Cell Biology - Jonathan Ashwell, M.D.

There were no submissions reported this month.

Vaccine Branch - Jay Berzofsky, M.D., Ph.D.

Patterson LJ, Kuate S, Daltabuit-Test M, Li Q, Xiao P, McKinnon K, DiPasquale J, Cristillo AD, Venzon, D, Haase A, and **Robert-Guroff M**: Replicating adenovirus-SIV vectors that efficiently prime SIV-specific immune responses preferentially target and persist in monocyte/macrophages and myeloid DCs, regardless of mucosal immunization route. Clin. Vac. Immunol. 19: 629-637, 2012. (VB)

Vargas-Inchaustegui DA, Xiao P, Tuero I, Patterson LJ, and **Robert-Guroff M**: NK and $CD4^+$ T cell co-operative immune responses correlate with control of disease in a macaque SIV infection model. J. Immunol. In press. (VB)

CCR Nanobiology Program - Robert Blumenthal, Ph.D.

Gao, F, Kasprzak W, Stupina V, **Shapiro BA**, and Simon AE: A ribosome-binding, 3' translational enhancer has a T-shaped structure and engages in a long distance RNA:RNA interaction. J. Virology. In press. (CCRNP)

Ramakrishnan B, Boeggeman E, and **Qasba PK**: Binding of GlcNAc b1-6 branched oligosaccharide acceptors to b4galactosyltransferase I reveal a new ligand binding mode. J. Biol. Chem. In press. (CCRNP)

Yavlovich A, Viard M, Zhou M, Veenstra TD, Wang J-M, Gong W, Heldman E, **Blumenthal R**, and Raviv Y: Ectopic ATP synthase facilitates transfer of HIV-1 from antiben presenting cells to CD4+ target cells. Blood. In press. (CCRNP)

Gupta K, Yavlovich A, Puri A, and **Blumenthal R**: Tumor Targeting Potential of Lipid-Based Nano-Pharmaceuticals (LNPs). In: Nanopharmaceutics: The Potential Application of Nanomaterials. In press. (CCRNP)

Kim T and **Shapiro BA**: The role of sodium and magnesium ion concentration in HIV-1 subtype-A and subtype-B kissing loop dimerization structures. Nucleic Acids Res. In press. (CCRNP)

Kasprzak W and **Shapiro BA**: Role of dynamics in RNA nanostructure design. RNA Nanotechnology and Therapeutics. In press. (CCRNP)

Grabow WW, Afonin KA, Zakrevsky P, Walker FM, Calkins ER, Geary C, Kasprzak W, Bindewald E, **Shapiro BA**, and Jaeger L: RNA nanotechnology in Nanomedicine. Sebastian M, Ninan N, and Haghi AK (Eds.). In: Nanomedicine and Drug Delivery, Apple Academic Press, New Jersey. In press. (CCRNP)

Kasprzak WK and **Shapiro BA**: Computational Prediction and Modeling Aid in the Discovery of a Conformational Switch Controlling Replication and Translation in a Plus-Strand Virus. Leontis N and Westhof E (Eds.). In: RNA 3D Structure Analysis and Prediction, Nucleic Acids and Molecular Biology. New York, Springer, pp. 119-142, 2012. (CCRNP)

Structural Biophysics Laboratory - R. Andrew Byrd, Ph.D.

There were no submissions reported this month.

Radiation Oncology Branch - Kevin Camphausen, M.D.

Kim YS and **Brechbiel MW**: An overview of targeted alpha therapy. Tumour Biol. 33(3): 573-590, 2012. (ROB)

Den RB, Kamrava M, Sheng Z, Werner-Wasik M, Dougherty E, Marinucchi M, Lawrence YR, Hegarty S, Hyslop T, Andrews DW, Glass J, Friedman DP, Green MR, **Camphausen K**, and Dicker AP: A Phase I Study of the Combination of Sorafenib With Temozolomide and Radiation Therapy for the Treatment of Primary and Recurrent High-Grade Gliomas. Int J Radiat Oncol Biol Phys. In press. (ROB)

Cerna D, Li H, Flaherty S, Takebe N, **Coleman CN,** and Yoo SS: Inhibition of Nicotinamide Phosphoribosyltransferase (NAMPT) Activity by Small Molecule GMX1778 Regulates Reactive Oxygen Species (ROS)-mediated Cytotoxicity in a p53- and Nicotinic Acid Phosphoribosyltransferase1 (NAPRT1)-dependent Manner. J Biol Chem. 287(26): 22408-22417, 2012. (ROB)

Palayoor ST, J-Aryankalayil M, Makinde AY, Cerna D, Falduto MT, Magnuson SR, and **Coleman CN**: Gene Expression Profile of Coronary Artery Cells Treated With Nonsteroidal Anti-inflammatory Drugs Reveals Off-target Effects. J Cardiovasc Pharmacol. 59(6): 487-499, 2012. (ROB)

Molecular Imaging Program - Peter Choyke, M.D.

Turkbey B and **Choyke PL**: Multiparametric MRI and prostate cancer diagnosis and risk stratification. Curr Opin Urol. 22(4): 310-315, 2012. (MIP)

Verma S, Turkbey B, Muradyan N, Rajesh A, Cornud F, Haider MA, **Choyke PL**, and Harisinghani M: Overview of dynamic contrast-enhanced MRI in prostate cancer diagnosis and management. AJR Am J Roentgenol. 198(6): 1277-1288, 2012. (MIP)

Mitsunaga M, Kosaka N, **Choyke PL**, Young MR, Dextras CR, Saud SM, **Colburn NH**, Sakabe M, Nagano T, Asanuma D, Urano Y, and Kobayashi H: Fluorescence endoscopic detection of murine colitis-associated colon cancer by topically applied enzymatically rapid-activatable probe. Gut. In press. (MIP)

McCann TE, Kosaka N, **Choyke PL**, and Kobayashi H: The use of fluorescent proteins for developing cancer-specific target imaging probes. Methods Mol Biol. 872: 191-204, 2012. (MIP)

Kurdziel KA, Shih JH, Apolo AB, Lindenberg L, Mena E, McKinney YY, Adler SS, Turkbey B, **Dahut W**, **Gulley JL**, **Madan RA**, **Landgren O**, **Choyke PL**: The Kinetics and Reproducibility of 18F-Sodium Fluoride for Oncology Using Current PET Camera Technology. J Nucl Med. In press. (MIP)

Laboratory of Cancer Prevention - Nancy Colburn, Ph.D.

Crea F, Fornaro L, Bocci G, Sun L, **Farrar WL**, Falcone A, and Danesi R: EZH2 inhibition: targeting the crossroad of tumor invasion and angiogenesis. Cancer Metastasis Rev. In press. (LCP)

Baba M, **Keller JR**, Sun HW, Resch W, Kuchen S, Suh HC, Hasumi H, Hasumi Y, Kieffer-Kwon KR, Gonzalez CG, Hughes RM, Klein ME, Oh HF, Bible P, Southon E, **Tessarollo L**, Schmidt LS, **Linehan WM**, and Casellas R: The Folliculin-FNIP1 pathway deleted in human Birt-Hogg-Dube syndrome is required for mouse B cell development. Blood. In press. (LCP)

Kim YS, **Farrar WL**, **Colburn NH**, and Milner JA: Cancer stem cells: potential target for bioactive food components. J. Nutr. Biochem. In press. (LCP)

Klarmann K, Ming J, Li H, Satyanarayana A, Kim W, Bowers E, Gudmundsdottir B, and **Keller JR**: Novel targets in myelogenous Leukemia: The Id family of proteins, myeloid leukemia –basic mechanisms of leukemogenesis. Koschmieder S (Ed.). In: InTech. Chapter 12: 215-238, 2012. (LCP)

Satyanarayana A, Klarmann K, Gavrilova O, and **Keller JR**: Ablation of the transcriptional regulator ID1 enhances energy expenditure, increases insulin sensitivity and protects against age and diet induced insulin resistance and hepatosteatosis. FASEB J. 26(1): 309-323, 2012. (LCP)

Gudmundsson KO, Stull SW, and **Keller JR**: Transplantation of mouse fetal liver cells for analyzing the function of hematopoietic stem and progenitor cells. Methods Mol. Biol. 879: 123-133, 2012. (LCP)

Oakley K, Han Y, Vishwakarma B, Bhatia R, Gudmundsson K, **Keller JR**, Vasko V, Jenkins NA, Copeland NG, and Yang Du: Setbp1 promotes the self-renewal of myeloid progenitors via activation of Hoxa9 and Hoxa10. Blood. In press. (LCP)

Neuro-Oncology Branch - Howard Fine, M.D.

There were no submissions reported this month.

Medical Oncology Branch - Giuseppe Giaccone, M.D., Ph.D.

There were no submissions reported this month.

Laboratory of Metabolism - Frank Gonzalez, Ph.D.

Melcer S, Hezroni H, Rand E, Skoultchi A, Stewart C, **Bustin M** and Meshorer E: Histone Modifications and Lamin A regulate chromatin dynamics in Early Embryonic Stem Cell Differentiation. Nature Communication. In press. (LM)

Postnikov YV, Kurahashi T, Zhou M, and **Bustin M**: The Nucleosome Binding Protein HMGN1 Interacts with PCNA and Facilitates its Binding to Chromatin. Mol. Cell. Biol. 32: 1844-1854, 2012. (LM)

Kugler J, Deng T, and **Bustin M**: The HMGN Family of Chromatin Architectural Proteins: Dynamic Modulators of Epigenetic Processes. BBA Gene Regulatory Mechanisms. 1819: 652-656, 2012. (LM)

Laboratory of Cell Biology - Michael Gottesman, M.D.

Hochman J, Shen D, **Gottesman MM** and Chan CC: Anti-LFA-1 Antibodies Enhance Metastasis of Ocular Lymphoma to the Brain and Contralateral Eye. Clin Experimental Metastasis. In press. (LCB)

Kawaguchi M, Valencia JC, Namiki T, and **Hearing VJ**: Diacylglycerol kinase regulates tyrosinase expression in human melanocytes. J Invest Dermatol. In press. (LCB)

Liu KJ, He JH, Su XD, Sim HM, Xie JD, Chen XG, Wang F, Liang YJ, Singh S, Sodani K, Talele TT, **Ambudkar SV**, Chen ZS, Wu HY and Fu LW: Saracatinib (AZD0530) is a potent modulator of ABCB1-mediated multidrug resistance in vitro and in vivo. Int J Cancer. In press. (LCB)

Sen R, Natarajan K, Bhullar J, Shukla S, Fang H-B, Ca L, Chen Z-S, **Ambudkar SV** and Baer MR: The novel BCR-ABL and FLT3 inhibitor ponatinib is a potent inhibitor of the multidrug resistance-associated ATP-binding cassette transporter ABCG2. Mol Cancer Ther. In press. (LCB)

Stordal B, Hamon M, McEneaney V, Roche S, Gillet JP, O'Leary J, **Gottesman MM** and Clynes M: Resistance to Paclitaxel in a cisplatin-resistant ovarian cancer cell line is mediated by P-Glycoprotein. PLoS ONE. In press. (LCB)

Experimental Transplantation and Immunology Branch - Ronald Gress, M.D.

There were no submissions reported this month.

Laboratory of Biochemistry and Molecular Biology – Shiv Grewal, Ph.D.

There were no submissions reported this month.

Laboratory of Receptor Biology and Gene Expression - Gordon Hager, Ph.D.

Bhattacharyya N, Wiench M, Dumitrescu C, Connolly BM, Bugge TH, Patel HV, Gafni RI, Cherman N, Cho M, **Hager GL,** and Collins MT: Mechanism of FGF23 processing in fibrous dysplasia. J. Bone Miner. Res. 27: 1132-1141, 2012. (LRBGE)

Hager GL and **Varticovski L**: Chromatin in time and space. Biochim. Biophys. Acta. 1819: 631, 2012. (LRBGE)

Stavreva DA, **Varticovski L**, and **Hager GL**: Complex dynamics of transcription regulation. Biochim. Biophys. Acta. 1819: 657-666, 2012. (LRBGE)

Quenet D and **Dalal Y**: CENH3 nucleosome: a dynamic structure and role at the centromere. Chromosome Research. In press. (LRBGE)

Bui M, Dimitriadis EK, Hoischen C, An E, Quénet D, Giebe S, Nita-Lazar A, DiekmannS, and **Dalal Y**: Structural transitions in the centromeric CENP-A nucleosome are accompanied by histone modifications in vivo. Cell. In press. (LRBGE)

Laboratory of Human Carcinogenesis - Curtis Harris, M.D.

Tang Y, Horikawa I, Ajiro M, Robles AI, Fujita F, Mondal AM, Stauffer JK, **Zheng ZM**, and **Harris CC**: Downregulation of splicing factor SRSF3 induces p53β, an alternatively spliced isoform of p53 that promotes cellular senescence. Oncogene. In press. (LHC)

Hudson RS, Yi M, Esposito D, Watkins SK, **Hurwitz AA**, Yfantis HG, Lee DH, Borin JF, Naslund MJ, Alexander RB, Dorsey TH, Stephens RM, Croce CM, and **Ambs S**: MicroRNA-1 is a candidate tumor suppressor and prognostic marker in human prostate cancer. Nucleic Acids Res. 40: 3689-3703, 2012. (LHC)

HIV Drug Resistance Program - Stephen Hughes, Ph.D.

HIV DRP Host Virus Interaction Branch - Stephen Hughes, Ph.D.

There were no submissions reported this month.

Retroviral Replication Laboratory - Stephen Hughes, Ph.D.

There were no submissions reported this month.

Endocrine Oncology Branch – Electron Kebebew, M.D.

There were no submissions reported this month.

Cell and Cancer Biology Branch - Kathleen Kelly, Ph.D.

There were no submissions reported this month.

Urologic Oncology Branch - W. Marston Linehan, M.D.

There were no submissions reported this month.

Laboratory of Cellular Oncology - Douglas Lowy, M.D.

There were no submissions reported this month.

Pediatric Oncology Branch - Crystall Mackall, M.D.

There were no submissions reported this month.

Molecular Targets Laboratory - James McMahon, Ph.D.

There were no submissions reported this month.

Genetics Branch - Paul Meltzer, M.D., Ph.D.

Greenblatt S, Li L, Slape C, Nguyen B, Novak R, Duffield A, Huso D, Desiderio S, Borowitz MJ, **Aplan P**, and Small D: Knock-in of a FLT3/ITD mutation cooperates with a NUP98-HOXD13 fusion to generate acute myeloid leukemia in a mouse model. Blood. 119: 2883-2994, 2012. (GB)

Beachy SH, Onozawa M, Chung YJ, Slape C, Bilke S, Francis P, Pineda M, Walker RL, **Meltzer P,** and **Aplan PD**: Enforced expression of Lin28b leads to impaired T cell development, release of inflammatory cytokines and peripheral T cell lymphoma. Blood. In press. (GB)

Gough SM, Chung YJ, and **Aplan PD**: Depletion of cytotoxic T-cells does not protect NUP98-HOXD13 mice from myelodysplastic syndrome but reveals a tumor immunosurveillance effect. PLoS One. 7: e36876, 2012. (GB)

Onozawa M and **Aplan PD**: Illegitimate V(D)J recombination involving nonantigen receptor loci in lymphoid malignancy. Genes Chromosomes Cancer. 51: 525-535, 2012. (GB)

Rechache NS, Wang Y, Stevenson HS, Killian JK, Edelman DC, **Merino M**, Zhang L, Nilubol N, Stratakis CA, **Meltzer PS,** and **Kebebew E**: DNA methylation profiling identifies global methylation differences and markers of adrenocortical tumors. J Clin Endocrinol Metab. 97(6): E1004-1013, 2012. (GB)

Lab of Cancer Biology & Genetics - Glenn Merlino, PhD and Stuart Yuspa, MD

There were no submissions reported this month.

Radiation Biology Branch - James Mitchell, Ph.D.

There were no submissions reported this month.

Laboratory of Cell and Developmental Signaling - Debbie Morrison, Ph.D.

There were no submissions reported this month.

Laboratory of Genomic Integrity – Andre Nussenzweig, Ph.D.

Daniel JA, Pellegrini M, Lee BS, Guo Z, Filsuf D, Balkina N, Yong ZS, Paull T, Sleckman B, Feigenbaum L, and **Nussenzweig A**: Loss of ATM kinase activity embryonic lethality in mice. J. Cell Biol. In press. (LGI)

Laboratory of Pathology - J. Carl Oberholtzer, M.D., Ph.D.

Purvis JE, Karhohs KW, Mock C, **Batchelor E**, Loewer A, and Lahav G: p53 dynamics control cell fate. Science. 336(6087): 1440-1444, 2012. (LP)

Song Y, Filie AC, Venzon D, Stetler-Stevenson M, and Yuan CM: Flow cytometry increases the sensitivity of detection of lymphoma cells in bronchoalveolar lavage specimens. Clin. Cytometry. In press. (LP; PI: **Oberholtzer JC**)

Lab of Molecular Biology - Ira Pastan, M.D. and Susan Gottesman, Ph.D.

Wei H, Xiang L, **Wayne AS**, Chertov O, **FitzGerald DJ**, Bera TK and **Pastan I**: Immunotoxin resistance via reversible methylation of the DPH4 promoter is a unique survival strategy. Proc. Natl. Acad. Sci. U.S.A. 109: 6898-6903, 2012. (LMB)

Kreitman RJ, Tallman MS, Robak T, Coutre S, **Wilson WH**, Stetler-Stevenson M, **FitzGerald DJ**, Lechleider R, and **Pastan I**: Phase I trial of anti-CD22 recombinant immunotoxin moxetumomab pasudotox (CAT-8015 or HA22) in patients with hairy cell leukemia. J. Clin. Oncol. 30: 1822-1828, 2012. (LMB)

Jang BS, Lee SM, Kim HS, Shin IS, Razjouvan F, Wang S, Yao Z, **Pastan I**, Dreher MR, and Paik CH: Combined-modality radioimmunotherapy: synergistic effect of paclitaxel and additive effect of bevacizumab. Nucl. Med. Biol. 39: 472-483, 2012. (LMB)

Sharon E, Zhang J, Hollevoet K, Steinberg SM, **Pastan I**, Onda M, Gaedcke J, Ghadimi BM, **Ried T**, and **Hassan R**: Serum mesothelin and megakaryocyte potentiating factor in pancreatic and biliary cancers. Clin. Chem. Lab. Med. 50: 721-725, 2012. (LMB)

Liu XF, Bera TK, Kahue C, Escobar T, Fei Z, Raciti GA, and **Pastan I**: ANKRD26 and its interacting partners TRIO, GPS2, HMMR and DIPA regulate adipogenesis in 3T3-L1 cells. PLoS One. 7: e38130, 2012. (LMB)

Zhu X and **Cheng SY**: Modeling follicular thyroid cancer for future therapies. Am. J. Cancer Res. 2: 130-140, 2012. (LMB)

O'Shea PJ, Kim DW, Logan JG, Davis S, Walker RL, **Meltzer PS**, **Cheng SY**, and Williams GR: Advanced bone formation in mice with a dominant-negative mutation in thyroid hormone receptor beta gene due to activation of Wnt/beta-catenin protein signaling. J. Biol. Chem. 287: 17812-17822, 2012. (LMB)

Macvanin M and **Adhya S**: Architectural organization of E. coli nucleoid. Biochim. Biophys. Acta. 1819: 830-835, 2012. (LMB)

Cancer and Developmental Biology Laboratory - Alan Perantoni, Ph.D.

There were no submissions reported this month.

Laboratory of Molecular Pharmacology - Yves Pommier, M.D., Ph.D.

Talbert PB, Ahmad K, Almouzni G, Ausio J, Berger F, Bhalla PL, **Bonner WM**, Cande WZ, Chadwick BP, Chan SW, Cross GA, Cui L, Dimitrov SI, Doenecke D, Eirin-Lopez JM, Gorovsky M, Hake SB, Hamkalo BA, Holec S, Jacobsen SE, Kamieniarz K, Khochbin S, Ladurner AG, Landsman D, Latham JA, Loppin B, Malik HS, Marzluff WF, Pehrson JR, Postberg J, Schneider R, Singh MB, Smith MM, Thompson E, Torres-Padilla ME, Tremethick DJ, Turner BM, Waterborg JH, Wollman H, Yelagandula R, Zhu B, and Henikoff S: A unitifed phylogeny-based nomenclature for histone variants. Epigenetics Chromatin. 5: 7, 2012. (LMP)

Steeg PS: Perspective: The right trials. Nature. 485: S58-S59, 2012. (LMP)

Kouprina N, Lee NC, Pavlicek A, Samoshkin A, Kim JH, Lee HS, Varma S, Reinhold WC, Otstot J, Solomon G, Davis S, **Meltzer PS**, Schleutker J, and **Larionov V**: Exclusion of the 750-kb genetically unstable region at Xq27 as a candidate locus for prostate malignancy in HPCX1-linked families. Genes Chromosomes Cancer. In press. (LMP)

Marino N, Nakayama J, Collins JW, and **Steeg PS**: Insights into the biology and prevention of tumor metastasis provided by the Nm23 metastasis suppressor gene. Cancer Metastasis Rev. In press. (LMP)

Surgery Branch - Steven Rosenberg, M.D., Ph.D.

There were no submissions reported this month.

Laboratory of Cellular and Molecular Biology - Larry Samelson, M.D.

There were no submissions reported this month.

Laboratory of Tumor Immunology and Biology - Jeffrey Schlom, Ph.D.

Hamilton DH, Litzinger MT, Fernando RI, Huang B, and **Palena C**: Cancer vaccines targeting the epithelial-mesenchymal transition: tissue distribution of brachyury and other drivers of the mesenchymal-like phenotype of carcinomas. Semin Oncol. 39(3): 358-366, 2012. (LTIB)

Hodge JW, Ardiani A, Farsaci B, Kwilas AR, and Gameiro SR: The tipping point for combination therapy: cancer vaccines with radiation, chemotherapy, or targeted small molecule inhibitors. Semin Oncol. 39(3): 323-339, 2012. (LTIB)

Madan RA, Bilusic M, Heery C, **Schlom J**, and **Gulley JL**: Clinical evaluation of TRICOM vector therapeutic cancer vaccines. Semin Oncol. 39(3): 246-304, 2012. (LTIB)

Chemical Biology Laboratory - Joel Schneider, Ph.D.

Liu F, Park J-E, Qian W-J, Lim D, Scharow A, Berg T, Yaffe MB, Lee KS, and **Burke Jr TR**: Peptoid-peptide hybrid ligands targeting the polo box domain of polo-like kinase 1. Chem Bio Chem. 13: 1291-1296, 2012. (CBL)

Experimental Immunology Branch - Alfred Singer, M.D.

There were no submissions reported this month.

Gene Regulation and Chromosome Biology Lab - Jeffrey Strathern, Ph.D.

There were no submissions reported this month.

Mouse Cancer Genetics Program– Lino Tessarollo, Ph.D., Acting Program Director

There were no submissions reported this month.

Laboratory of Experimental Carcinogenesis - Snorri Thorgeirsson, M.D., Ph.D.

There were no submissions reported this month.

Cancer and Inflammation Program - Giorgio Trinchieri, M.D.

Laboratory of Molecular Immunoregulation - Joost Oppenheim, M.D.

Hurwitz AA and Watkins SK: Immune suppression in the tumor microenviroment: a role for dendritic cell-mediated tolerization of T cells. Can Immunol Immunother. 61: 289-293, 2012. (LMI)

Mazzucchelli RI, Riva A, and **Durum SK**: The human IL-7 receptor gene: deletions, polymorphisms and mutations. Semin Immunol. 24: 225-230, 2012. (LMI)

Muranski P, Borman ZA, Kerkar SP, Klebanoff CA, Ji Y, Sanchez-Perez L, Sukumar M, Reger RN, Yu Z, Kern SJ, Roychoudhuri R, Ferreyra GA, Shen W, **Durum SK**, Feigenbaum L, Palmer DC, Antony PA, Chan CC, Laurence A, Danner RL, Gattinoni L, and **Restifo NP**: Th17 cells are long lived and retain a stem cell-like molecular signature. Immunity. 35: 972-985, 2012. (LMI)

Zappacosta R, Aiello FB, D'Antuono T, Procopio AD, **Durum SK**, Conti P, and Rosini S: Detection of nuclear and membrane antigens by liquid-based cytology following long-term storage of d1 cells, karpas cells, and peripheral blood mononuclear cells. Ann Clin Lab Sci. 41: 353-359, 2012. (LMI)

Kibe R, Zhang S, Guo D, Marrero L, Tsien F, Rodriguez P, Khan S, Zieske A, Huang J, Li W, **Durum SK**, Iwakuma T, and Cui Y: IL-7Rα deficiency in p53(null) mice exacerbates thymocyte telomere erosion and lymphomagenesis. Cell Death Differ. 19: 1139-1151, 2012. (LMI)

Laboratory of Experimental Immunology - Giorgio Trinchieri, M.D.

Kinjo T, Tomaru K, Haines DC, and **Klinman D**: The counter regulatory response induced by CpG oligonucleotides prevents bleomycin induced pneumopathy. Respir Res. 113: 47, 2012. (LEI)

Goldszmid RS, Caspar P, Rivollier A, White S, Dzutsev A, Hieny S, Kelsall B, **Trinchieri G,** and Sher A: NK cell-derived interferon-γ orchestrates the cellular dynamics and differentiation of monocytes into inflammatory dendritic cells at the site of infection. Immunity. In press. (LEI)

Lou H, Li H, Yeager M, Im K, Gold B, Schneider TD, Fraumeni Jr JF, Chanock SJ, **Anderson SK**, and **Dean M**: Promoter variants in the MSMB gene associated with prostate cancer regulate MSMB/NCOA4 fusion transcripts. Hum Genet. 131: 1453-1466, 2012. (LEI)

Dermatology Branch - Mark Udey, M.D., Ph.D.

There were no submissions reported this month.

Metabolism Branch - Thomas Waldmann, M.D.

There were no submissions reported this month.

Laboratory of Protein Dynamics & Signaling - Allan Weissman, M.D.

Leboucher GP, Tsai YC, Yang M, Shaw KC, Zhou M, Veenstra TD, Glickman MH, and **Weissman AM**: Stress-Induced Phosphorylation and Proteasomal Degradation of Mitofusin 2 Facilitates Mitochondrial Fragmentation and Apoptosis. Mol. Cell. In press. (LPDS)

Macromolecular Crystallography Laboratory - Alexander Wlodawer, Ph.D.

There were no submissions reported this month.

HIV and AIDS Malignancy Branch - Robert Yarchoan, M.D.

Majerciak V and **Zheng ZM**: Detection of viral RNA splicing in diagnostic virology. In: Advanced Techniques in Diagnostic Microbiology. Tang YW and Stratton CW (Eds.). Springer. In press. (HAMB)

Basic Research Laboratory

James Phang

Phang JM, Liu W, Hancock C, and Christian KJ: The proline regulatory axis and cancer. Front Oncol. In press. (BRL)

Liu W and **Phang JM**: Proline dehydrogenase (oxidase), a mitochondrial tumor suppressor, and authophagy under the hypoxia microenvironment. Autophagy. In press. (BRL)

Emeritus Scientists

Victor Marquez

Avino A, Mazzini S, Ferreira R, Gargallo R, **Marquez VE**, and Eritja R: The effect on quadruplex stability of *North*-nucleoside derivatives in the loops of the thrombin-binding aptamer. Bioorg & Med Chem. 20: 4186-4193, 2012. (CBL)