

## AACR-Women in Cancer Research Brigid G. Leventhal Scholar Awards in Cancer Research

The following eleven presenters of meritorious abstracts have been selected by the AACR-Women in Cancer Research Brigid G. Leventhal Scholar Awards Committee to receive 2005 Leventhal Scholar Awards. This award program is supported by the generous contributions of AstraZeneca. Named in honor of the late Brigid G. Leventhal, M.D., these awards are intended to provide incentive to investigators relatively early in their careers and include travel funds for predoctoral and postdoctoral trainees presenting exceptionally meritorious scientific papers at the AACR Annual Meeting. The names and affiliations of the Scholars at the Annual Meeting, along with the numbers and titles of their presentations, are noted below. The Board of Directors of the AACR extends congratulations to these outstanding Brigid G. Leventhal Scholars.

**Punya Kumari L. Andarawewa, Ph.D.**, Lawrence Berkeley National Labs., Berkeley, CA. **Abstract #4349.** Dual stromelysin-3 function during natural mouse mammary tumor virus-ras tumor progression.

**Wenya Linda Bi, A.B., A.M.**, Yale University School of Medicine, New Haven, CT. **Abstract # 3760.** A novel membrane-associated isoform of BEHAB/brevican is overexpressed in human malignant glioma.

**Christy R. Hagan, B.A.**, Johns Hopkins University, Baltimore, MD. **Abstract #3529.** DNA-damage activates transcription of Short Interspersed Elements.

**Jennifer L. Hatton, B.S.**, The Ohio State University, Columbus, OH. **Abstract #2606.** Topical celecoxib decreases the exacerbated UVB-induced skin inflammation and carcinogenesis seen in immunosuppressed mice.

**Jozien Helleman, M.S.**, Erasmus MC, Rotterdam, The Netherlands. **Abstract #1652.** A gene signature that predicts platinum-based chemotherapy resistance in ovarian cancer patients.

**Christina E. H. Justenhoven, Ph.D.**, Dr. Margarete-Fischer-Bosch Institute for Clinical Pharmacology, Stuttgart, Germany. **Abstract #4070.** Breast cancer risk is linked with ERCC2 genotypes and a corresponding haplotype in a German population.

**Mei Liu, Ph.D.**, The Burnham Institute, La Jolla, CA. **Abstract #1688.** Anti-tumor activity of rapamycin in a transgenic mouse model of ErbB2-dependent human breast cancer.

**Irina A. Lonskaya, Ph.D.**, Georgetown University, Washington, D.C. **Abstract #4833.** Regulation of poly(ADP-ribose) polymerase-1 by DNA structure-specific binding.

**Michelle D. Martin, Ph.D.**, Vanderbilt University, Nashville, TN. **Abstract #2519.** Quantitative imaging of cell proliferation in a 3D mammary tumor metastasis model.

**Lindsay M. Morton, Ph.D.**, National Cancer Institute, Rockville, MD. **Abstract #2214.** Polymorphisms in the neurotransmitter reward and nicotine metabolism pathways in relation to smoking behavior in the Prostate, Lung, Colorectal, and Ovarian (PLCO) Cancer Screening Trial.

**Xiaoyan Ni, Ph.D.**, Brigham and Women's Hospital, Boston, MA. **Abstract #440.** Transcriptional and proteomic profiling of secreted and membrane proteins in ovarian cancer.

## AACR Minority Scholars in Cancer Research

The AACR is very pleased to administer this important program which provides funds for the participation of early-career, meritorious minority scientists at the 2005 Annual Meeting of the AACR. Scholars are chosen from both minority institutions and the larger bodies of universities, colleges, and research institutes. They are selected on the basis of their qualifications, references from mentors, and an estimation of the potential professional benefit to the awardees.

Since its founding in 1985, the AACR Minority Scholar Awards in Cancer Research program has been supported by a generous grant from the Comprehensive Minority Biomedical Branch (CMBB) of the National Cancer Institute. The Comprehensive Minority Biomedical Branch works to increase the number of underrepresented minorities participating as competitive NCI/NIH-funded cancer researchers. The Board of Directors of the AACR expresses its appreciation to the CMBB for its long-term and generous support of early-career scientists and extends congratulations to these outstanding Scholars. The names and affiliations of 2005 Minority Scholars supported by the CMBB are listed below, along with the numbers and titles of their presentations, where appropriate.

**Joseph K. Agyin, Ph.D.**, University of Texas Health Science Center, San Antonio, TX

**Nicolas G. Azios, B.A.**, University of Texas, Austin, TX. **Abstract #3700.** Resveratrol signals to the actin cytoskeleton of metastatic breast cancer cells via Rho GTPase-independent pathway

**Joe Barber, Jr., B.S.**, University of Michigan, Ann Arbor, MI. **Abstract #2272.** The effects of dFdCyd and ionizing irradiation on p53R2 and R2 expression during the cell cycle

**Brittinaie J. Bell, B.S.**, University of South Carolina, Columbia, SC. **Abstract #4152.** Effects of serine substitution on the function and structure of human thymidylate synthase

**Ebony A. Boyce, M.P.H.**, Duke University School of Medicine, Durham, NC. **Abstract #1141.** An assay of angiogenic protein expression in human umbilical vein endothelial cells (HUVETCs)

**Sheree E. Brown, M.D.**, Howard University Hospital, Washington, DC.

**C. Suzanne Cutter, M.D.**, Memorial Sloan-Kettering Cancer Center, New York, NY.

**C. Marcela Diaz-Montero, Ph.D.**, UT M. D. Anderson Cancer Ctr., Houston, TX.

**Carlton D. Donald, Ph.D.**, Medical University of South Carolina, Charleston, SC.

**Nicole A. Dumas, B.S.**, University of Alabama, Birmingham, AL.

**Ekem T. Efuet, Ph.D.**, UT M. D. Anderson Cancer Ctr., Houston, TX. **Abstract #1681.** Farnesyl and geranylgeranyl transferase inhibitors induce G1 arrest in breast cancer cells by targeting the proteasome

**Abiodun Elegbede, Ph.D.**, University of Nevada, Las Vegas, NV. **Abstract #5902.** The apoptosis-inducing activity of natural plant products involved regulation of events downstream of the p53 pathway

**Marcela Franco, Ph.D.**, Sunnybrook & Women's College Health Sciences Centre, Toronto, Ontario, Canada. **Abstract #1123.** Importance of the study of tumor hypoxia concomitant with vascular parameters in the evaluation of antiangiogenic therapies

**Melanie Funes-Duran, B.S.**, University of California, Davis, Sacramento, CA. **Abstract #3682.** The membrane mucin Muc4 potentiates neuregulin signaling by increasing the cell surface population of ErbB2 and ErbB3

**Jasmine P. Gaines, B.S.**, University of Alabama, Birmingham, AL. **Abstract #5144.** Immunolocalization of sperm protein 17 (Sp17) in normal and malignant cells

**Noe Galvan, Ph.D.**, University of California, Berkeley, CA. **Abstract #3913.** Polycyclic aromatic hydrocarbons selectively affect bone marrow cells of the lymphoid and myeloid lineages

**Edward Garay, B.S.**, UMDNJ-New Jersey Medical School, Newark, NJ. **Abstract #3307.** Characterization of resistance to 1,25(OH)<sub>2</sub> vitamin D<sub>3</sub> in HL60-40AF myeloid leukemia cells

**Monique A. Gary, B.S.**, Fox Chase Cancer Center, Philadelphia, PA. **Abstract #747.** Modulation of the subcellular localization of  $\beta$ -catenin by sulindac sulfone is CRM-1 independent

**Willietta Gibson, B.S.**, Medical University of South Carolina, Charleston, SC.

**Abstract #66.** Comparison of RNA interference silencing of PAX 2 expression in PC3 and Du145 prostate cancer cell lines

**Tisheeka R. Graham, B.S.**, Tulane University, New Orleans, LA. **Abstract #5651.** NF- $\kappa$ B-dependent expression of BMPs is associated with activation of adhesion and migration of prostate cancer cells

**Neali D. Hendrix, B.S.**, University of Michigan, Ann Arbor, MI. **Abstract #5658.** Fibroblast growth factor 9 (FGF9) stimulates migration of endothelial and ovarian cancer cells

**Maria A. Hernández-Valero, Dr.PH.**, UT M. D. Anderson Cancer Ctr., Houston, TX.

**Jennifer E. Hobbs, B.S.**, Northwestern University, Chicago, IL. **Abstract #1157.** Alternatively spliced human tissue factor expression in human pancreatic cancer cell lines

**Offiong Francis Ikkpatt, Ph.D.**, University of Chicago, Chicago, IL. **Abstract #2550.** Hormone Receptor negative and Basal-like subtypes are over represented in invasive breast carcinoma from women of African ancestry

**Tilahun Jiffar, Ph.D.**, UT Health Science Center, Houston, TX. **Abstract #2690.** Role for PKC $\delta$  in cell survival in chronic myelogenous leukemia

**Aimee M. Johnson, B.S.**, University of Rochester Medical Center, Rochester, NY. **Abstract #1987.** *In vivo* measurement and monitoring of urothelial tumors in a murine model of bladder tumorigenesis

**Erica L. Johnson, B.S.**, Morehouse School of Medicine, Atlanta, GA. **Abstract #4693.** Role and function of CCR9 and hypoxia in ovarian cancer cell motility and invasion

**Saphronia R. Johnson, B.S.**, University of South Carolina, Columbia, SC. **Abstract #4824.** Exploiting the active site sulfhydryl reactivity of thymidylate synthase as a novel drug target

**Crystal M. Johnson-Holiday, B.S.**, Morehouse School of Medicine, Atlanta, GA.

**Teri L. Larkins, B.S.**, Morehouse School of Medicine, Atlanta, GA. **Abstract #5650.** Inhibition of COX-2 attenuates the motility and invasion of breast cancer cells

**Everardo Macias, B.S.**, North Carolina State University, Raleigh, NC. **Abstract #5412.** Distinct roles of CDK2 and CDK4 in mouse skin chemical carcinogenesis

**Corina Marx, Ph.D.**, Buck Institute for Age Research, Novato, CA. **Abstract #462.** Breast cancer phenotypes and responsiveness to bortezomib therapy

**Claudia Patricia Miller, M.S.**, UT M. D. Anderson Cancer Ctr., Houston, TX. **Abstract #613.** Reactive oxygen species generation and caspase 8 activation are required for apoptosis induction by a novel proteasome inhibitor in lymphoid cells

**Alejandro R. Molinelli, M.S.**, University of North Carolina, Chapel Hill, NC. **Abstract #3054.** Organic and inorganic arsenicals sensitize human bronchial epithelial cells to hydrogen peroxide-induced DNA damage

**D'Anna N. Mullins, B.S.**, Medical College of Ohio, Toledo, OH. **Abstract #4535.** Transcriptional regulation of antioxidant gene expression in human bronchial epithelial cells

**Genoveva Murillo, Ph.D.**, IIT Research Institute, Chicago, IL.

**Lisandra Negrón-Vega, B.S.**, University of Puerto Rico, San Juan, PR. **Abstract #3720.** The expression of a soluble isoform of EGFR (p110-sEGFR) is stimulated by EGF and PMA in the breast adenocarcinoma cell line MDA-MB-468

**O'neil G. Newell, B.S.**, Florida A&M University, Tallahassee, FL. **Abstract #1571.** Diallyl sulfide inhibits lipid peroxidation and DNA adducts formation, via increasing glutathione S transferase activity and gene expression in the liver of male sprague Dawley rats

**René Nieves-Alicea, Ph.D.**, University of Puerto Rico, San Juan, PR.

# Minority Scholar Awards

**Abena A. Otchere, B.S.**, McMaster University, Hamilton, Ontario, Canada. **Abstract # 57.** The cell cycle factor cyclin D1 is a putative target gene of the POZ-ZF transcription factor Kaiso

**Babatunde Olukayode Oyajobi, M.D., Ph.D.**, UT Health Science Center, San Antonio, TX. **Abstract #3819.** Imaging tumor burden by [18F]FDG-PET scanning and osteoblast activity by [99mTc]MDP-SPECT/CT in the 5TGM1 mouse model of myeloma bone disease

**Monica A. Parker, Ph.D.**, Vanderbilt University, Nashville, TN. **Abstract #5471.** Ephrin-A1 induces tumor cell migration via a Rho GTPase and Jak kinase-dependent pathway

**Carmen E. Perrone, Ph.D.**, New York Medical College, Valhalla, NY. **Abstract #2067.** Induction of in vitro proliferation of liver progenitor cells by the hepatocarcinogenic peroxisome proliferator activated receptor- $\alpha$  (PPAR $\alpha$ ) agonist ciprofibrate

**Zandra Keiwon Pinnix, M.S.**, Wake Forest University, Winston-Salem, NC. **Abstract #4703.** Parameters of iron metabolism in a model of breast cancer progression

**Carmelle Rogers, Ph.D.**, Johns Hopkins University, Baltimore, MD. **Abstract #1242.** Diagnosing pancreatic cancer using oligonucleotide microarrays of RNA in pancreatic juice

**Luis A. Rojas-Espaillet, M.D.**, Cleveland Clinic Foundation, Cleveland, OH. **Abstract #5318.** Apoptotic pathways induced by ixabepilone in paclitaxel-refractory ovarian carcinoma cells

**Nicholas O. Roman, B.S.**, University of Arizona, Tucson, AZ.

**Carla Rosario, M.S.**, University of Toronto Samuel Lunenfeld Research Institute, Toronto, Ontario, Canada. **Abstract #1918.** High incidence of Sak loss of heterozygosity in human hepatocellular carcinoma

**Samuel Salinas, B.S.**, Northern Arizona University, Flagstaff, AZ. **Abstract #2193.** Uranium and arsenic characterization of well water and sediment in Black Falls, Arizona

**John A. Sandoval, M.D.**, Indiana University, Indianapolis, IN. **Abstract #2933.** Two-dimensional (2-D) proteomic analysis of the multiprotein DNA replication complex in human neuroblastoma versus neural stem cells

**Luisel J. Santi-Ruiz, B.S.**, Georgetown University, Washington, DC.

**Adrienne J. Smith, M.S.**, Wake Forest University, Winston-Salem, NC. **Abstract #3509.** Role of BAD phosphorylation in prostate cancer xenografts

**Michael A. Smith, B.S.**, Howard University, Washington, DC. **Abstract #5551.** Protein production and gene expression in cells from different zones of multicellular prostate tumor spheroids(MTS) after coculturing with activated eosinophils (Eos) and cultured supernatants

**Pameeka S. Smith, B.S.**, Wake Forest University, Winston-Salem, NC. **Abstract #4753.** Targeting catalase in antiglioma therapies

**Sarice R. Smith, B.S.**, University of South Florida, Tampa, FL.

**Catherine A. St. Hill, Ph.D., D.V.M.**, University of Minnesota, St. Paul, MN. **Abstract #4638.** The role of expression of sLeX-modified O-glycans on colon carcinoma cells in adhesion to endothelium and tumor development

**Michael C. Stauder, B.A.**, University of Wisconsin, Madison, WI.

**Dominique R. Talbert, B.S.**, University of Kentucky, Lexington, KY. **Abstract #1297.** ER $\alpha$  and PPAR $\alpha$  signal crosstalk selectively regulates expression of target genes in MCF-7 breast cancer and Human Mammary Epithelial Cells

**Tamara A. Tatum-Broughton, B.S.**, Howard University, Washington, DC.

**Winna M. Taylor, M.A.**, University of Illinois at Chicago, Chicago, IL.

**Shala L. Thomas, B.S.**, Emory University, Atlanta, GA. **Abstract #4117.** Curcuminoids disrupt the microtubule and actin cytoskeletons and inhibit HIF-1 $\alpha$

**Kassim Traore, Ph.D.**, Johns Hopkins University, Baltimore, MD. **Abstract #4775.** TPA-induced mitochondria-dependent generation of reactive oxygen species (ROS) in undifferentiated leukemic cells

**Jose G. Trevino, M.D.**, UT M. D. Anderson Cancer Ctr., Houston, TX. **Abstract #4557.** c-Src regulates interleukin-8 expression in pancreatic adenocarcinoma cells: implications for angiogenesis

**Jean-Claude Twizere, Ph.D.**, Faculty of Gembloux, Gembloux, Belgium. **Abstract #2800.** G protein  $\gamma_2$  subunit specifically interacts with the human T-lymphotropic virus Tax-1 transactivator oncoprotein but not with the Tax-2 homologue encoded by the non-pathogenic HTLV-2

**Blanca L. Valle, B.S.**, University of Puerto Rico, San Juan, PR. **Abstract #4504.** Shedding of EGFR is mediated by the ERK MAP kinase pathway

**Chantell L. Wilson, M.S.**, Florida A&M University, Tallahassee, FL. **Abstract #2130.** Diallyl sulfide alters expression of PhiP metabolizing genes in MCF-10A breast epithelial cells and inhibits PhiP-induced DNA strand breaks

**Haile F. Yancy, Ph.D.**, Howard University, Washington, DC.

We are pleased to announce that the Susan G. Komen Breast Cancer Foundation has provided funding to the AACR Minority Scholar Award program to support the participation of early-career minority investigators in the 96th AACR Annual Meeting. The Susan G. Komen Breast Cancer Foundation strives to eradicate breast cancer as a life-threatening disease by advancing research, education, screening, and treatment. The names and affiliations of 2005 Minority Scholars supported by the Foundation are listed below, along with the numbers and titles of their presentations, where appropriate.

**Brandi C. Brandon, B.S.**, Morehouse School of Medicine, Atlanta, GA. **Abstract #4704.** The nitric oxide donor SNAP enhances breast cancer cell growth and migration

**Mariana Isabel Capurro, Ph.D.**, Sunnybrook & Women's College Health Sciences Centre, Toronto, Ontario, Canada. **Abstract #5556.** Glypican-3 overexpression: a novel mechanism of activation of the Wnt/beta-catenin pathway in hepatocellular carcinoma

**Mario R. Green, M.S.**, Florida A&M University, Tallahassee, FL. **Abstract #1202.** Diallyl sulfide induces both phase I and phase II metabolizing genes in female ACI rats: possible mechanisms of breast cancer prevention

**Valerie Stone Hawthorne, B.S.**, UT M. D. Anderson Cancer Ctr., Houston, TX. **Abstract #959.** Transcriptional upregulation of p21Cip1 by ErbB2 overexpression through STAT3 activation

**Kara R. Jones, M.S.**, Virginia Commonwealth University, Richmond, VA. **Abstract #1448.** A fragment of the XRCC4 protein expressed from adenovirus sensitizes MDA-MB231 breast tumor cells to ionizing radiation

**Jacqueline A. Mason, B.S.**, Howard University, Washington, DC. **Abstract #2974.** Differential expression of RECK and matrix metalloproteinases observed between African American and Caucasian metastatic breast cancer cell lines

**Tamra Suzanne McKenzie-Johnson, M.D.**, UT M. D. Anderson Cancer Ctr., Houston, TX. **Abstract #3694.** Adenoviral mediated delivery of the melanoma differentiation-associated gene-7 (Ad-mdm7) regulates the Wnt signaling pathway in breast cancer cells

**Gustavo A. Miranda-Carboni, Ph.D.**, UCLA David Geffen School of Medicine, Los Angeles, CA. **Abstract #3693.** Wnt10b mediates p27Kip turnover in mammary tumor progression and functions as global antagonist of TGF- $\beta_1$  mediated cell cycle arrest

## AACR Minority-Serving Institution Faculty Scholars in Cancer Research

The AACR is very pleased to administer this important program which provides funds for the participation of full-time faculty members of Minority-Serving Institutions (MSI) at the 2005 AACR Annual Meeting. Recipients of this award are scientists who are working at the level of Assistant Professor or above at Minority-Serving Institutions and who are engaged in meritorious basic, clinical, or translational cancer research.

This award program has been supported, since its inception in 1999, by a generous grant provided by the Comprehensive Minority Biomedical Branch of the National Cancer Institute. The Comprehensive Minority Biomedical Branch works to increase the number of underrepresented minorities participating as competitive NCI/NIH-funded cancer researchers. The Board of Directors of the AACR expresses its appreciation to the CMBB for its long-term and generous support of faculty at Minority-Serving Institutions and congratulates these outstanding Scholars. The names and affiliations of 2005 Minority-Serving Institution Faculty Scholars supported by the CMBB are listed below, along with the numbers and titles of their presentations, where appropriate.

**Diana S-L. Chow, Ph.D.**, University of Houston, Houston, TX. **Abstract #1403.** Evaluation of transdermal permeation and plasma protein binding of CZ48, lactone-stabilized camptothecin-C20-propionate, in vitro using microdialysis technique.

**Marie-Claude E. Jipguep, Ph.D.**, Howard University, Washington, DC.

**Duane E. Johnson, Ph.D.**, Dillard University, New Orleans, LA. **Abstract #5778.** Novel DJ 56 causes tumor reduction in ERt breast cancer cells.

**James W. Lillard, Jr. Ph.D.**, Morehouse School of Medicine, Atlanta, GA.

**Josiah Ochieng, Ph.D.**, Meharry Medical College, Nashville, TN. **Abstract #172.** Fetuin-A/annexin interaction is a critical growth signaling pathway in ovarian carcinoma cells.

**Elijah O. Okegbile, Ph.D.**, Tuskegee University, Tuskegee, AL.

**Gerhild Packert, Ph.D.**, Barry University, Miami Shores, FL.

**Xiaowu Pang, Ph.D.**, Howard University, Washington, DC.

**KiTani A. Parker-Johnson, Ph.D.**, Dillard University, New Orleans, LA. **Abstract #5059.** The combination of Cox-2 and EGF serve as potential prognostic biomarkers for hormone refractory prostate cancer.

**Teresa R. Petrino, Ph.D.**, Barry University, Miami Shores, FL.

**Shailesh Singh, Ph.D.**, Morehouse School of Medicine, Atlanta, GA. **Abstract #2383.** CXCL13 bone marrow and CXCR5 prostate cancer cell expression and functional roles in motility, adhesion and invasion.

**Padma P. Tadi-Uppala, Ph.D.**, Loma Linda University, Loma Linda, CA. **Abstract #3091.** 2-Dimensional fluorescence difference gel analysis reveals lycopene alters phosphorylation of cytokeratin 19 in human breast cancer cells

**Teshome E. Yehualaeshet, Ph.D., D.V.M.**, Tuskegee University, Tuskegee, AL. **Abstract #792.** Expression of survivin in canine mammary tumor.

**Beatriz Zayas, Ph.D.**, Universidad Metropolitana, San Juan, PR. **Yanfei Zhou, Ph.D.**, Howard University, Washington, DC. **Abstract #538.** Loperamide sensitizes multidrug resistant MCF-7 clone 10.3 human breast cancer cells to doxorubicin.

We are pleased to announce that the Susan G. Komen Breast Cancer Foundation has provided funding to support the participation of faculty from Minority-Serving Institutions in the 96th AACR Annual Meeting through the AACR Minority-Serving Institution Faculty Scholar Award program. The Susan G. Komen Breast Cancer Foundation strives to eradicate breast cancer as a life-threatening disease by advancing research, education, screening, and treatment. The names and affiliations of 2005 Minority-Serving Institution Faculty Scholars supported by the Foundation are listed below, along with the numbers and titles of their presentations, where appropriate.

**Carolyn B. Howard, Ph.D.**, Jackson State University, Jackson, MS. **Abstract #5221.** Modulation of CYP1A2 Expression in Ethanol-Exposed Mice in Response to Treatment with Vernonia Amygdalina Extract.

**Barbara A. Lyons, Ph.D.**, New Mexico State University, Las Cruces, NM.

**Gary L. Sanford, Ph.D.**, Morehouse School of Medicine, Atlanta, GA.

## AACR-Thomas J. Bardos Science Education Awards for Undergraduate Students

The AACR is pleased to announce the recipients of 2005-2006 AACR-Thomas J. Bardos Science Education Awards. The primary purpose of these awards is to inspire young science students at the undergraduate level to enter the field of cancer research. The AACR is dedicated to promoting the education and training of the next generation of dedicated scientists and to facilitating and nurturing their careers in cancer research or cancer-related biomedical science. Since its founding in 1997, AACR Science Education Awards have been supported by generous annual contributions from a distinguished member of the AACR, Dr. Thomas J. Bardos. Dr. Bardos' contributions were subsequently matched by those of AACR. The Board of Directors of the AACR expresses its deep appreciation to Dr. Bardos for his foresight, leadership, and generosity in encouraging the creation of the Science Education Awards program, and in sustaining this vitally important program for the past eight years. The names and affiliations of the 2005-2006 Awardees are listed below, along with the numbers and titles of their abstract presentations, where appropriate. Congratulations are extended to all of these young, talented scholars.

### 2005-2006 AACR-THOMAS J. BARDOS SCIENCE EDUCATION AWARDEES

**Cynthia V. Clower**, San Jose State University, San Jose, CA. **Abstract #2344**. Androgen induced polyamine catabolic enzyme expression is a major cause of oxidative stress in prostate cancer cells.

**Sarah K. Fogoros**, University of Michigan Comprehensive Cancer Center, Ann Arbor, MI. **Abstract #4932**. Inhibition of NF- $\kappa$ B enhances chemotherapy induced apoptosis in ovarian cancer cells.

**Mohamad J. Halawi**, University of Houston, Houston, TX.

**Kathleen E. Hanlon**, University of North Carolina, Chapel Hill, NC. **Abstract #3892**. Azoxymethane induces strain-dependent colorectal cancer histopathologies in mice.

**Nicholas-Jacomo M. Macaluso**, Hobart and William Smith Colleges, Geneva, NY.

**Christina M. Paniccia**, University of North Carolina, Chapel Hill, NC.

**Dorianne L. Rabinowitz**, St. John's University, Jamaica, NY.

**Matthew J. Sikora**, University of Michigan, Ann Arbor, MI.

**José A. Toro**, Van Andel Research Institute, Grand Rapids, MI.

**Kristin M. Wall**, University of Texas, Austin, TX.

### 2004-2005 AACR-THOMAS J. BARDOS SCIENCE EDUCATION AWARDEES

**Daniel J. Albershardt**, Oregon State University, Corvallis, OR.

**Christopher A. Alvarez-Breckenridge**, The Ohio State University, Columbus, OH. **Abstract #5473**. Tumor suppressor gene, PTEN, regulates activity of phospholipase C (PLC) and phospholipase D (PLD).

**Elizabeth M. Chislock**, Pennsylvania State University, University Park, PA.

**Jeremy D. Daigle**, Dillard University, New Orleans, LA.

**William P. Hendricks**, Arizona State University, Phoenix, AZ. **Abstract #4865**. Global expression profiles predict meningioma recurrence and reveal novel pathways leading to aggressive phenotypes: A new clinical model of meningioma aggression.

**Nyall R. London, Jr.**, Brigham Young University, Provo, UT.

**Karl A. Merrick**, University of Michigan, Ann Arbor, MI.

**Seth M. Miller**, University of Maryland, Baltimore, MD. **Abstract #3457**. CD4+ and CD8+ T cells responding to dendritic cells transfected with in vitro transcribed (IVT)-RNA encoding melanoma antigen Melan-A/MART-1.

**Zachary J. Reitman**, Pennsylvania State University, University Park, PA.

## 2005 Avon Foundation-AACR International Scholar-in-Training Grants

For presenters from Eastern Europe, Latin America, Africa, the Middle East, and Asia whose proffered papers relate to breast cancer or other female cancers. These grants, designated for young investigators from countries where opportunities for scientific advancement are limited, are an exciting component of the Avon Foundation-AACR Global Collaborative for Breast Cancer Research and Education that seeks to make a substantive impact on the prevention and cure of breast cancer through the collaborative efforts of Avon and the AACR. Listed below are the grant recipients confirmed as of the date of publication.

**Abstract #106**, Patricia Bortman Rozenchan, Ph.D., Faculdade de Medicina da Universidade de São Paulo, São Paulo, Brazil, Differential gene expression profile of fibroblasts originated from breast cancer as compared to those derived from benign disease and after coculture with normal epithelial mammary cells

**Abstract #342**, Marina Simian, Ph.D., Institute of Oncology Angel H. Roffo, Buenos Aires, Argentina, Involvement of proteolytic activity in the response of an estrogen-dependent mammary tumor to endocrine therapy

**Abstract #357**, Albana Gattelli, M.S., University of Buenos Aires, Buenos Aires, Argentina, Progression of pregnancy-dependent MMTV-induced mammary tumors occurs by selection of pre-existent insertional events

**Abstract #1132**, Hyun-Jun Kim, M.S., Hanyang University, Seoul, Republic of Korea, Id-1 induces tumor angiogenesis in human breast cancers by stabilizing HIF-1a protein

**Abstract #1285**, Romina P. Carnevale, M.S., Institute of Biology and Experimental Medicine (IBYME), CONICET, Buenos Aires, Argentina, Progesterone regulates proliferation and protease activity via rapid activation of MAPKs and PI-3K/Akt pathways in breast cancer cells

**Abstract #1438**, Priscilla Pui Sze Lee, Ph.D., National University of Singapore, Singapore, Vitamin E TPGS-modified paclitaxel: Synthesis, characterizations, and *in vitro* activities

**Abstract #1564**, Hye-Kyung Na, Ph.D., Seoul National University, Seoul, Republic of Korea, EGCG upregulates phase-2 detoxifying and antioxidant enzymes via the Nrf2 signaling pathway in human breast epithelial cells

**Abstract #1609**, Ji-Yeob Choi, Ph.D., Seoul National University College of Medicine, Seoul, Republic of Korea, Haplotype of NOS3, hormone receptor status, and survival of breast cancer

**Abstract #1867**, Shenglan Cao, B.Sc., Nanyang Technological University, Singapore, A novel hormonally-regulated protein with a tetratricopeptide repeat that is over-expressed in breast tumors

**Abstract #2429**, Mariana Salatino, M.S., Institute of Biology and Experimental Medicine (IBYME), CONICET, Buenos Aires, Argentina, Immunization with breast cancer cells treated with antisense oligodeoxynucleotides (AS[S]ODN) to type I insulin-like growth factor receptor (IGF-IR) induced an antitumoral effect that is mediated by a CD8+ response involving Fas-FasL cytotoxic pathway

**Abstract #3086**, Cho-Hwa Liao, M.S., National Taiwan University, Taipei, Taiwan Republic of China, Evodiamine, a constituent from Chinese herb *Evodiae Fructus*, exhibited anticancer effect in human multiple-drug resistant breast cancer NCI/ADR-RES cells *in vitro* and *in vivo*

**Abstract #3601**, Johanna R. Ledwaba, M.S., University of the Witwatersrand, Johannesburg, South Africa, Increased levels of RbBP6 in cervical cancer suggest its involvement in carcinogenesis

**Abstract #3689**, Maria Giselle Peters, M.S., Institute of Oncology Angel H. Roffo, Buenos Aires, Argentina, Role of Glypican-3 in the control of death and proliferation of murine mammary adenocarcinoma cells

**Abstract #3703**, Alejandro J. Urtreger, Ph.D., Institute of Oncology Angel H. Roffo, Buenos Aires, Argentina, Different responses associated with PKC-beta-1 and PKC-epsilon overexpression in normal and tumoral mammary cell lines

**Abstract #3724**, Martin A. Krasnapolski, M.S., Institute of Oncology Angel H. Roffo, Buenos Aires, Argentina, The interactions between luminal and myoepithelial cells determine the *in vivo* and *in vitro* malignant properties of a murine mammary tumor

**Abstract #4147**, Yeon Ho Choi, B.S., Cancer Metastasis Research Center, Seoul, Republic of Korea, Pharmacogenomic markers predicting toxicity and response of gemcitabine in breast cancer patients

**Abstract #5208**, Ji-Youn Jung, D.V.M., Ph.D., Hanyang University, Seoul, Republic of Korea, The anti-tumor effect of a novel adenosine receptor type A3 agonist, LJ540, in human breast cancer both *in vitro* and *in vivo*

**Abstract #5780**, Majed S. Alokail, Ph.D., King Saud University, Riyadh, Saudi Arabia, Induction of erbB1 and erbB2 receptors by PTHrP in breast cancer cells

**Abstract #5781**, Cecilia J. Proietti, M.S., Institute of Biology and Experimental Medicine (IBYME), CONICET, Buenos Aires, Argentina, Progesterins induce transcriptional activation of signal transducer and activator of transcription 3 (Stat3) via Jak and Src-dependent mechanism in breast cancer cells

**Abstract #5814**, Sang-Ah Lee, Ph.D., National Cancer Center Research Institute, Goyong-Si, Republic of Korea, Interactive effects of antioxidant vitamins and NOS3 genetic polymorphisms for breast cancer risk in Korean women

**Abstract #5825**, Xiao-Ning Guo, B.S., Shanghai Institute of Materia Medica, Shanghai, China, TKI-28, a broad spectrum tyrosine kinase inhibitor with anti-tumor and antiangiogenic effects

## AACR Scholar-in-Training Awards for Early-Career Scientists

AACR's highly competitive Scholar-in-Training Awards provide financial support for predoctoral students, medical students and residents, postdoctoral and clinical fellows or the equivalent attending an AACR Annual Meeting, Special Conference, or other AACR-sponsored scientific meeting.

Selection of these recipients was based upon the scientific merit of the proffered papers and was made by the members of the AACR's prestigious Program Committee. The Awards will provide these outstanding scientists with an opportunity to share their research findings with the international cancer research community, gain valuable experience, receive feedback on their research, and develop new collaborations with colleagues in their field. Several awards are restricted to specific fields

of research or to presenters from selected areas of the world; these restrictions are noted below.

The Board of Directors of the AACR expresses its appreciation to the generous sponsors of these awards and extends congratulations to these outstanding scholars.

## 2005 AACR-Gerald B. Grindey Scholar-in-Training Award

For a meritorious proffered paper in the field of preclinical science. The late Dr. Grindey was a dedicated member of the AACR and a distinguished scientist at Eli Lilly and Company. The Gerald B. Grindey Memorial Fund was established in his honor and has been entrusted to the AACR to be used toward educational programs for young scientists engaged in preclinical research.

**Abstract #2564**, Neil D. Gross, M.D., Memorial Sloan-Kettering Cancer Center, New York, NY, USA, Jun N-terminal kinase: A potential target for the treatment of head and neck squamous cell carcinoma (HNSCC)

## 2005 AACR-Gary J. Miller Memorial Scholar-in-Training Award

For a meritorious proffered paper directly related to prostate cancer research. The late Dr. Miller, a dedicated member of the AACR, was one of the leading prostate cancer researchers in the world and Chair of the NIH Pathology B Study Section. The Gary J. Miller Memorial Fund was established in his honor and has been entrusted to the AACR to be used toward educational programs for young scientists conducting prostate cancer research.

**Abstract #911**, Yipeng Wang, M.D., Ph.D., Sidney Kimmel Cancer Center, San Diego, CA, USA, Survey of differentially methylated promoters in prostate cancer cell lines

## 2005 AACR-AFLAC, Incorporated Scholar-in-Training Awards

For Associate Members of the AACR. Support for AACR Scholar-in-Training Awards is part of AFLAC, Incorporated's generous sponsorship of activities for young scientists within the AACR. AFLAC support

includes similar awards for Scholars-in-Training participating in AACR Special Conferences, operating support for the Associate Member Council, and assistance in efforts to reach scientists early in their research careers and invite their participation in the AACR.

**Abstract # 885**, Antoine M. Snijders, Ph.D., University of California, San Francisco, CA, USA, Demonstration of oral squamous cell carcinoma second primary clonality using genome wide array comparative genomic hybridization

**Abstract # 903**, Shaoxi Liao, M.D., Ph.D., Duke University Medical Center, Durham, NC, USA, Digital karyotyping identifying OTX2 as a medulloblastoma oncogene, whose product can be targeted by retinoic acid

**Abstract # 905**, David S. Shames, B.A., UT Southwestern Medical Center, Dallas, TX, USA, A genome-wide screen for methylated genes in lung cancer using 5-aza-2'-deoxycytidine treatment and parallel analysis of gene expression and genomic profiling

**Abstract # 1617**, David M. Weinstock, M.D., Memorial Sloan-Kettering Cancer Center, New York, NY, USA, Chromosomal translocations between nonhomologous sequences occur primarily through microhomology-mediated end-joining: A model of oncogenic translocations

**Abstract # 1623**, Patrick S. Lin, Ph.D., Stanford University, Stanford, CA, USA, The role of the Rb/E2F tumor suppressor pathway in DNA damage repair

**Abstract # 1625**, Jan Theys, Ph.D., University of Maastricht, Maastricht, The Netherlands, Role of ubiquitin K63 linkages in DNA damage repair

**Abstract # 1654**, Dong Wook Kim, M.D., Ph.D., Vanderbilt University Medical Center, Nashville, TN, USA, Increased tumor control is achieved by optimizing schedule of administration of radiation mediated vasculytic therapy based on noninvasively measured physiologic response parameters

**Abstract # 1655**, Chun-Chieh Wang, M.D., University of California, Los Angeles, CA, USA, HDJ-2 is an important target of farnesyltransferase inhibitor, R115777, induced radiosensitization

**Abstract # 1656**, Simone Fulda, M.D., University Children's Hospital, Ulm, Germany, Sensitization for gamma-irradiation-induced apoptosis by Smac agonists

**Abstract # 1682**, Xiaojun Liu, Ph.D., UT M.D. Anderson Cancer Center, Houston, TX, USA, Abrogation of S-phase and G2 cell cycle checkpoints by small molecule inhibitors of the DNA damage kinase, Chk1

**Abstract # 1702**, Charles N. Landen, Jr., M.D., UT M.D. Anderson Cancer Center, Houston, TX, USA, Therapeutic silencing of EphA2 by *in vivo* liposomal siRNA delivery

**Abstract # 2111**, Yelena Margolin, B.S., Massachusetts Institute of Technology, Cambridge, MA, USA, Sequence dependent guanine oxidation by nitrosoperoxy carbonate violates the rules of charge migration in DNA

**Abstract # 2516**, Konstantin Stoletov, Ph.D., The Scripps Research Institute, La Jolla, CA, USA, High resolution imaging of human tumor formation and angiogenesis in a novel Zebrafish model

**Abstract # 2525**, Monica M. Richert, Ph.D., University of Alabama at Birmingham, Birmingham, AL, USA, Breast cancer metastasis to lung and bone is decreased by difluoromethylornithine treatment

**Abstract # 2533**, Casey E. Bohl, B.S., The Ohio State University, Columbus, OH, USA, The crystal structure of the androgen receptor W741L mutant ligand binding domain bound to R-bicalutamide

**Abstract # 2555**, Veronica Wendy Setiawan, Ph.D., University of Southern California, Los Angeles, CA, USA, A comprehensive haplotype analysis of IGF-1 and breast cancer risk: The Multiethnic Cohort

**Abstract # 2559**, Rayjean J. Hung, Ph.D., International Agency for Research on Cancer, Lyon, France, Multigenic investigation of sequence variants in DNA repair and cell cycle control pathways on risk of lung cancer

**Abstract # 2566**, Sami Sarfaraz, Ph.D., University of Wisconsin, Madison, WI, USA, Cannabinoid receptors: A novel target for the treatment of prostate cancer

**Abstract # 2582**, Beatrice Bailly-Maitre, Ph.D., The Burnham Institute, La Jolla, CA, USA, Mice lacking bi-1 gene demonstrate accelerated liver regeneration

**Abstract # 2583**, Toru Fukushima, M.D., Ph.D., The Burnham Institute, La Jolla, CA, USA, Critical function for p53-induced beta-Catenin degradation at G1 checkpoint during cell cycle progression

**Abstract # 2587**, Petra den Hollander, M.S., UT M.D. Anderson Cancer Center, Houston, TX, USA, A dynein motor protein making inroads into the cell cycle deregulation and breast cancer

**Abstract # 2643**, Qing Chen, Ph.D., H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL, USA, Targeting the Fanconi Anemia/BRCA DNA interstrand crosslink repair pathway to overcome melphalan resistance in multiple myeloma cells

**Abstract # 2651**, Tonya C. Walser, B.S., University of Maryland School of Medicine, Baltimore, MD, USA, Chemokine-targeted therapies in a model of metastatic breast cancer

**Abstract # 2658**, Jennifer B. Jacob, Ph.D., Wayne State University, Detroit, MI, USA, Regulatory T cell status and MHC II haplotypes determine the balance between overcoming HER2 tolerance by vaccination and inducing autoimmune thyroiditis

**Abstract # 2659**, Guobin He, M.S., UT M.D. Anderson Cancer Center, Smithville, TX, USA, Thiazolidinedione, a class of insulin sensitizers, strongly inhibits IGF-1 mitogenic signaling

**Abstract # 2668**, Po-Lin So, Ph.D., University of California, San Francisco, CA, USA, Analysis of the mechanism of the chemopreventive efficacy of tazarotene against cutaneous basal cell carcinoma in Ptch1+/- mice

**Abstract # 2739**, Michael J. Boland, B.S., University of Nebraska, Omaha, NE, USA, A novel interaction between thymine DNA-glycosylase and the *de novo* methyltransferase, Dnmt3b

**Abstract # 2818**, Eriko Michishita, Ph.D., National Cancer Institute, Bethesda, MD, USA, Characterization and investigation of seven SIRT proteins in human cell aging: Down-regulation of SIRT1 extends cellular lifespan

**Abstract # 3209**, Shelley S. Tworoger, Ph.D., Harvard School of Public Health, Boston, MA, USA, Association between plasma prolactin concentrations and subsequent risk of premenopausal breast cancer

**Abstract # 4112**, Nicola Frances Smith, Ph.D., National Cancer Institute, Bethesda, MD, USA, Identification of OATP1B3 as a high-affinity hepatocellular transporter of paclitaxel

**Abstract # 4317**, Roland Chiu, Ph.D., University of Maastricht, Maastricht, The Netherlands, Isolation and biochemical characterization of ubiquitin K63 targets in mammalian cells

**Abstract # 4390**, Vandana B. Sharma, M.D., Ph.D., Stanford University, Palo Alto, CA, USA, Chemosensitivity and DNA repair in BRCA1 deficient murine mammary epithelial cells

**Abstract # 4470**, Ju-Seog Lee, Ph.D., National Cancer Institute, Bethesda, MD, USA, Application of comparative functional genomics to identify best-fit mouse models to study human cancer

**Abstract # 5152**, He Zhou, M.D., Ph.D., The Scripps Research Institute, La Jolla, CA, USA, A DNA-based cancer vaccine activates both innate and adaptive immunity by engaging the NKG2D receptor

**Abstract # 5231**, Jerome Torrisani, Ph.D., McGill University, Montréal, PQ, Canada, RNA binding protein AUF1 regulates DNA methyltransferase DNMT1 in the cell cycle

**Abstract # 5244**, Jose I. Lopez, B.S., University of Arizona, Tucson, AZ, USA, CD44 interactions with hyaluronan decrease the metastatic potential of breast cancer cells

**Abstract # 5246**, Robert W. Cho, M.D., University of Michigan, Ann Arbor, MI, USA, Identification of the mouse breast tumor stem cell

**Abstract # 5253**, Jyotsna Pandey, M.D., Ph.D., National Cancer Institute, Rockville, MD, USA, Modulation of tumorigenesis and tumor progression in a K-ras mutated mouse model of lung cancer in the presence of TGF-beta1 heterozygosity

**Abstract # 6092**, Claudia Bredel, Ph.D., Stanford University, Stanford, CA, USA, Whole tumor genome amplification and gene-by-gene mapping of genomic aberrations from limited sources of DNA

**Abstract # 6102**, Weng-Onn Lui, Ph.D., Stanford University, Stanford, CA, USA, A CREB3L2-PPARgamma; fusion oncoprotein with unique activities in follicular thyroid cancer

**Abstract # 6129**, Karen O. Yee, Ph.D., Beth Israel Deaconess Medical Center, Boston, MA, USA, Role of thrombospondin-1 in a mouse model of breast cancer

**Abstract # 6130**, Heath B. Acuff, B.S., Vanderbilt University, Nashville, TN, USA, The role of host matrix metalloproteinases in lung tumor development

**Abstract # 6147**, Simon Alexander Williams, Ph.D., Johns Hopkins School of Medicine, Baltimore, MD, USA, Tumoricidal effects of a PSA-activated pore-forming toxin

## 2005 AACR-AstraZeneca Scholar-in-Training Awards

AstraZeneca has graciously donated funds to the AACR to support young investigators who will be presenting meritorious proffered papers.

**Abstract # 313**, Sucharita Bandyopadhyay, Ph.D., Southern Illinois University School of Medicine, Springfield, IL, USA, The metastasis suppressor gene Drg-1 downregulates the expression of ATF3 in prostate and breast carcinoma

**Abstract # 338**, Niels Smakman, M.D., University Medical Centre Utrecht, Utrecht, The Netherlands, Stable suppression of mutant KRAS in C26 murine colon carcinoma cells by RNA interference leads to complete loss of metastatic potential and to increased tumor immunity

**Abstract # 707**, Gustavo F. Helguera, Ph.D., University of California, Los Angeles, CA, USA, Combinations of cytokines fused to antibodies to enhance the immune response against HER2/neu expressing tumors

**Abstract # 1632**, Yoonsoo Hahn, Ph.D., National Cancer Institute, Bethesda, MD, USA, Identification of fusion genes resulting from chromosomal translocation by analyzing cancer expressed sequences tags

**Abstract # 1640**, Xuting Wang, Ph.D., National Institute of Environmental Health Sciences, Research Triangle Park, NC, USA, *In silico* identification of functional polymorphisms in antioxidant response elements and their related genes in human genome

**Abstract # 2040**, Jonathan Barclay Pollett, Ph.D., University of Pittsburgh, Pittsburgh, PA, USA, Pleuripotency, a double edged sword: Mixed differentiation signals induce tumor formation *in vivo*

**Abstract # 2215**, Carmen J. Marsit, Ph.D., Harvard School of Public Health, Boston, MA, USA, Tobacco smoking and arsenic exposure are associated with tumor suppressor gene hypermethylation in bladder cancer

**Abstract # 2508**, Sheng-Li Cai, M.D., Ph.D., UT M.D. Anderson Cancer Center, Smithville, TX, USA, Functional interaction of TSC1 and TSC2 tumor suppressor gene products, hamartin, and tuberlin

**Abstract # 2523**, Clayton C. Yates, M.S., University of Pittsburgh, Pittsburgh, PA, USA, Characterization of prostate cancer progression by direct visualization utilizing a bioreactor

**Abstract # 2553**, Yen-Ling Low, B.Sc., University of Cambridge, Cambridge, England, Phytoestrogen exposure, polymorphisms in COMT, CYP17, CYP19, EDH17B2, ESR1, and SHBG genes, and sex hormone levels among postmenopausal women in EPIC-Norfolk

**Abstract # 2577**, Jamie Keck, B.S., The Scripps Research Institute, La Jolla, CA, USA, The effects of deregulated cyclin E on mitosis

**Abstract # 2602**, Evgeny Edovitsky, M.Sc., Hebrew University of Jerusalem, Jerusalem, Israel, Heparanase silencing averts tumor progression and inflammation

**Abstract # 2624**, Palma Rocchi, Ph.D., University of British Columbia, Vancouver, BC, Canada, Overexpression of heat shock protein 27 confers resistance androgen ablation and chemotherapy in prostate cancer through activation of Stat-3 signaling pathway

**Abstract # 2663**, Bhuvanesh Dave, Ph.D., University of Arkansas, Little Rock, AR, USA, The tumor suppressor PTEN mediates the pro-apoptotic activity of dietary genistein on mammary epithelial cells: Implications for mammary cancer protection

**Abstract # 4344**, Rajesh R. Nair, Ph.D., UT M.D. Anderson Cancer Center, Houston, TX, USA, Expression screening identifies a novel negative regulator (SM22/transgelin) of 92 kDa type IV collagenase expression

**Abstract # 4365**, Clodia Osipo, Ph.D., Northwestern University, Chicago, IL, USA, ER $\alpha$  and AIB-1 interact in tamoxifen-resistant breast cancer independent of ER $\alpha$  transcriptional activity

**Abstract # 5260**, Hong Yuan, Ph.D., Duke University Medical Center, Durham, NC, USA, (64)Cu-ATSM microPET imaging of tumor hypoxia in animal tumor models: Comparison with hypoxia immunostaining

**Abstract # 6104**, Siwen Hu, M.D., Ph.D., Children's Hospital Los Angeles, Los Angeles, CA, USA, Systemic targeted EWS-FLI1 siRNA abrogates growth of metastases in a murine Ewing's tumor model

**Abstract # 6107**, Despina Siolas, B.S., Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, USA, Synthetic shRNAs as highly potent RNAi triggers

**Abstract # 6118**, Kexiao Guo, M.S., University of Arizona, Tucson, AZ, USA, *In vitro* and *in vivo* footprinting of the promoter region of the human vascular endothelial growth factor gene is consistent with G-quadruplex formation

**Abstract # 6131**, Scott F. Winter, B.S., Fred Hutchinson Cancer Research Center, Seattle, WA, USA, Activation of FGFR1 *in vivo* differentially modulates the expression of Ang1 and Ang2 while inducing angiogenesis in the mouse prostate

## 2005 AACR-Bristol-Myers Squibb Oncology Scholar-in-Training Awards

Bristol-Myers Squibb has graciously donated funds to the AACR to support young investigators who will be presenting meritorious proffered papers.

**Abstract # 372**, Lei Jia, M.S., New York University, New York, NY, USA, Structural properties of spiroiminodihydroantoin DNA lesions

**Abstract # 1596**, Michael J. Martin, Ph.D., National Cancer Institute, Rockville, MD, USA, Circulating levels of IGF-1, IGF-2, and IGFBP-3 and prevalence of advanced colorectal adenoma

**Abstract # 1624**, Wei Hung Kuo, B.S., University of British Columbia, Vancouver, BC, Canada, ING family members promote chromatin relaxation for nucleotide excision repair of UV-induced DNA lesions

**Abstract # 1671**, John A. Curtin, Ph.D., UCSF Cancer Center, San Francisco, CA, USA, Frequent copy number increase of CCND1 or CDK4 in melanomas without mutations in BRAF and RAS genes

**Abstract # 1678**, Clark C. Chen, M.D., Ph.D., Dana-Farber Cancer Institute, Boston, MA, USA, The Fanconi Anemia (FA) pathway confers cellular resistance to the chemotherapeutic agent 1,3-Bis(2-Chloroethyl)-1-Nitrosourea (BCNU)

**Abstract # 2576**, Alex C. Minella, M.D., Fred Hutchinson Cancer Research Center, Seattle, WA, USA, Ras activity regulates cyclin E degradation by the Fbw7 pathway

**Abstract # 2586**, Kaori Sasai, Ph.D., UT M.D. Anderson Cancer Center, Houston, TX, USA, A novel chromosomal passenger protein Aurora-C kinase can complement Aurora-B kinase function and induce stabilization of INCENP via phosphorylation

**Abstract # 2650**, Julien Taieb, M.D., Ph.D., Pitié Salpêtrière Hospital, Paris, France, Dendritic cell derived-exosomes boost effector CD8+ T cells in the absence of tumor induced-T regulatory cells: Synergistic antitumor effects of cyclophosphamide and exosome-based vaccines

**Abstract # 2665**, Sunga Choi, Ph.D., University of Pittsburgh Medical School, Pittsburgh, PA, USA, Bax and Bak are required for apoptosis induction by sulforaphane, a cruciferous vegetable-derived cancer chemopreventive agent

**Abstract # 2819**, Matthias Sommer, M.D., Johns Hopkins School of Medicine, Baltimore, MD, USA, p63 overexpression induces downregulation of Sirt1 and accelerated aging phenotypes in the mouse

**Abstract # 5258**, Vania E. Kenanova, B.S., City of Hope & University of California, Los Angeles, CA, USA, Engineered anti-CEA scFv-Fc antibody fragments tailored for pharmacokinetic and imaging properties

**Abstract # 6095**, Min Yan, M.D., Ph.D., Case Western Reserve University, Cleveland, OH, USA, 15-hydroxyprostaglandin dehydrogenase is a TGF-beta induced suppressor of human colorectal cancer

**Abstract # 6117**, Diana Vradii, M.D., University of Massachusetts Medical School, Worcester, MA, USA, Impaired intranuclear trafficking of AML1 causes transformation-coupled arrest of myeloid maturation

**Abstract # 6175**, Sung-Hyung Lee, Ph.D., The Scripps Research Institute, La Jolla, CA, USA, Endoglin (CD105) is an effective target for an oral DNA vaccine against breast cancer

**Abstract # 6180**, Peter Attia, M.D., National Cancer Institute, Bethesda, MD, USA, Autoimmunity correlates with tumor regression in patients with metastatic melanoma treated with anti-CTLA-4

## 2005 AACR-Busch Scholar-in-Training Awards

The Busch Travel Fund was established by Dr. and Mrs. Harris and Rose Busch; Dr. Busch is a Past President of the AACR. The Fund has been entrusted to the AACR to be used toward travel grants to the Annual Meeting for young scientists.

**Abstract # 2578**, Feng Liu, Ph.D., University of California, Irvine, CA, USA, Phosphorylation of CtIP by ATM regulates its own expression and activates both G1/S and G2/M checkpoints

**Abstract # 2593**, Diego F. Calvisi, M.D., Ph.D., National Cancer Institute, Bethesda, MD, USA, Combined silencing of Ras and Jak/Stat inhibitors results in constitutive activation of Ras and Jak/Stat pathways in human hepatocellular carcinoma

**Abstract # 3215**, Heather J. Baer, Sc.D., Brigham and Women's Hospital, Boston, MA, USA, Early life factors and incidence of proliferative benign breast disease

**Abstract # 4310**, Michelle Lynne Demory, B.A., University of Virginia, Charlottesville, VA, USA, The epidermal growth factor receptor translocates to the mitochondria: Implications in mediating cellular survival

**Abstract # 4340**, William Cruz, M.Sc., Princess Margaret Hospital/University of Toronto, Toronto, ON, Canada, Absence of TIMP-3 enhances metastatic dissemination to multiple organs

**Abstract # 4351**, Michael VanSaun, Ph.D., Vanderbilt University, Nashville, TN, USA, Differential detection of growth promoting proteins after MMP-7 expression in a model of mammary tumor development

**Abstract # 5222**, Yoshimasa Saito, M.D., Ph.D., USC/Norris Comprehensive Cancer Center, Los Angeles, CA, USA, Induction of microRNA-127 by DNA demethylation and histone deacetylase inhibition in human cells

**Abstract # 5821**, Ute Nöthlings, Dr.P.H., Cancer Research Center of Hawaii, Honolulu, HI, USA, Meat intake increases the risk for pancreatic cancer: The Multiethnic Cohort

**Abstract # 6174**, Joerg A. Krueger, M.D., The Scripps Research Institute, La Jolla, CA, USA, A DNA vaccine against tumor stromal antigen FAP boosts chemotherapy leading to tumor rejection

## 2005 AACR-GlaxoSmithKline Outstanding Clinical Scholars

AACR-GlaxoSmithKline Outstanding Clinical Scholars are promising young cancer researchers who are the authors of outstanding proffered papers related to clinical research. These prestigious awards support participation in this Annual Meeting and future AACR Special Conferences.

**Abstract # 705**, Kellie Charles, Ph.D., Queen Mary's School of Medicine and Dentistry, London, England, Biological activity of infliximab, an anti-TNF- $\alpha$  monoclonal antibody, in the tumor microenvironment of advanced epithelial ovarian patients

**Abstract # 1587**, Matteo Lazzeroni, M.D., European Institute of Oncology, Milan, Italy, Effect of transdermal estradiol and oral conjugated estrogen on markers of hemostasis and cardiovascular risk in a retinoid-placebo chemoprevention trial

**Abstract # 1592**, Catherine Fang-Yeu Poh, D.D.S., Ph.D., BC Cancer Agency, Vancouver, BC, Canada, Identification of clinically occult disease in oral cancer patients in the operating room (OR): A real-time application of fluorescence visualization

**Abstract # 1593**, Takashi Aoi, M.D., Kyoto University, Kyoto, Japan, The risk of subsequent development of gastric cancer after endoscopic treatment for gastric epithelial neoplasia

**Abstract # 2138**, Naomi Quinton, Ph.D., University of Leeds, Leeds, England, Differential expression of estrogen receptor alpha, Ki-67 and Bcl-2 in endometrial biopsies from women treated with Anastrozole and Tamoxifen

**Abstract # 2139**, Anieta M. Sieuwerts, B.S., Erasmus MC, University Medical Center, Rotterdam, The Netherlands, How ADAM-9 and ADAM-11 differentially from estrogen-receptor predict response to tamoxifen treatment in patients with recurrent breast cancer: A retrospective study

**Abstract # 2655**, Brian Gill Barnett, M.D., Tulane University School of Medicine, New Orleans, LA, USA, Depleting regulatory T cells is associated with improved immunity and tumor clearance in human cancer

**Abstract # 3448**, Koji Abe, M.D., Ph.D., University of Pittsburgh, Pittsburgh, PA, USA, Antitumor activity human papillomavirus Type 16 E7-specific T cells in patients with virally infected squamous cell carcinoma of the head and neck (SCCHN)

**Abstract # 5060**, Belen Rubio-Viqueira, M.D., Johns Hopkins University, Baltimore, MD, USA, Novel *in vivo* model for drug development in pancreas cancer

**Abstract # 5153**, Yunping Luo, M.D., Ph.D., The Scripps Research Institute, La Jolla, CA, USA, A novel stress protein, Legumain, is a target for a genetic vaccine against breast cancer

**Abstract # 6166**, Jan Stoehmacher, M.D., University of Hamburg, Hamburg, Germany, Impact of glutathione S-transferase (GST) P1, M1 and T1 polymorphisms on clinical outcome to Cisplatin/5-Fluorouracil chemotherapy in patients with advanced gastric cancer

## 2005 AACR-ITO EN, Ltd. Scholar-in-Training Awards

For presenters of meritorious proffered papers who reside in Asian countries. ITO EN, Ltd., of Haibara, Japan, began its commitment to the AACR Scholar-in-Training Awards Program in 1998 in order to enhance participation by Asian predoctoral students, medical students and residents, postdoctoral and clinical fellows or equivalent in the programs and activities of the AACR and to provide these outstanding scholars with an opportunity to share their research findings with the international cancer research community at the AACR Annual Meeting.

**Abstract # 248**, Kuen-Tyng Lin, M.S., National Health Research Institutes, Taipei, Taiwan Republic of China, Novel effect of trichostatin A, a histone deacetylase inhibitor, treatment enhances cell migration in human hepatocellular carcinoma cell lines

**Abstract # 314**, Takeshi Tsuchiya, M.D., The University of Tokyo, Tokyo, Japan, Targeting Id1 and Id3 inhibits peritoneal metastasis of gastric cancer

**Abstract # 320**, Chang-Han Chen, Ph.D., National Health Research Institutes, Miaoli, Taiwan Republic of China, Molecular cloning and characterization of FLJ10540, a novel gene upregulated in hepatocellular carcinoma

**Abstract # 355**, Mariko Tomita, M.D., Ph.D., University of the Ryukyus, Okinawa, Japan, Activation of beta-catenin signaling by HTLV-1 transforming protein Tax

**Abstract # 573**, Zhong-xin Lu, M.S., Central South University, Changsha, Hunan, China, Deoxyribozymes targeted to EBV-LMP1 mRNA induce apoptosis and enhance radiosensitivity in LMP1-positive cells

**Abstract # 750**, Joydeb Kumar Kundu, M.S., Seoul National University, Seoul, Republic of Korea, Resveratrol inhibits phorbol ester-induced expression of COX-2 and activation of NF-kappaB in mouse skin *in vivo*: IkappaB Kinase-beta and mitogen-activated protein kinases as potential targets

**Abstract # 883**, David Chi-leung Lam, M.R.C.P., University of Hong Kong, Hong Kong Special Administrative Region of China, Expression profiling in lung adenocarcinomas with or without epidermal growth factor receptor (EGFR) gene mutation at exons 18-21 reveals expression signatures related to the EGFR pathway

**Abstract # 1666**, Issan Y. S. Tam, B.Sc., University of Hong Kong, Hong Kong Special Administrative Region of China, EGFR mutations are prevalent and independent from K-RAS mutations in lung adenocarcinomas from non-smokers

**Abstract # 1677**, Muh-Hwa Yang, M.D., Taipei Veterans General Hospital, Taipei, Taiwan Republic of China, Increased NBS1 expression is a poor prognostic marker of head and neck cancer and overexpression of NBS1 promotes transformation through the activation of Akt

**Abstract # 1912**, Phyu Phyu Aung, M.B.B.S., Hiroshima University, Hiroshima, Japan, Screening of cancer specific genes and identification of MIA as a cancer specific gene and prognostic indicator in gastric cancer

**Abstract # 2472**, Jeong-Sang Lee, M.S., Seoul National University, Seoul, Republic of Korea, Chemopreventive effects of a specific COX-2 inhibitor (Celecoxib) and a novel HDAC inhibitor (SK-7041) on azoxymethane-initiated and dextran sulfate sodium-promoted mouse colon carcinogenesis

**Abstract # 2496**, Ryohei Katayama, M.S., University of Tokyo, Tokyo, Japan, Cellular FLIP inhibits beta-catenin ubiquitylation and enhances Wnt signaling

**Abstract # 2575**, Eiji Tanaka, M.D., Kyoto University, Kyoto, Japan, The role of Aurora-A/STK15/BTAK expression in human esophageal squamous cell carcinoma

**Abstract # 2653**, Toru Hiura, M.D., Niigata University, Niigata, Japan, CD62Lhigh CD4+CD25+ regulatory T cells primed in tumor-draining lymph nodes abrogate antitumor efficacy of effector T cells via B7-2 / CTLA-4 T-T interaction

**Abstract # 2697**, Min-Goo Lee, Ph.D., Korea University, Seoul, Republic of Korea, XAF1 is a direct transcription target of p53 that potentiates p53-mediated apoptosis

**Abstract # 3552**, Natini Jinawath, M.D., University of Tokyo, Tokyo, Japan, Comparison of gene-expression profiles between liver fluke- and non-liver fluke-associated intrahepatic cholangiocarcinomas using a genome-wide cDNA microarray

**Abstract # 3561**, Amit Aggarwal, M.S., National Cancer Centre/National University of Singapore, Singapore, Topological and functional discovery in gastric cancer gene coexpression network

**Abstract # 4054**, Kyoung-Ho Lee, M.P.H., Seoul National University College of Medicine, Seoul, Republic of Korea, Stability of urinary malondialdehyde in room temperature over 16 hours

**Abstract # 4314**, Takamichi Hosaka, M.D., Showa University, Tokyo, Japan, Active mutant epidermal growth factor receptor undergoes less protein degradation due to diminished binding to c-Cbl ubiquitin ligase

**Abstract # 4393**, Toshiyuki Shimada, M.D., Keio University School of Medicine, Tokyo, Japan, Development of targeted therapy with paclitaxel incorporated in EGF-conjugated nanoparticle

**Abstract # 4461**, Il-Jin Kim, D.V.M., Ph.D., Seoul National University, Seoul, Republic of Korea, Development of a BRAF oligonucleotide microarray and its application in competitive DNA hybridization (CDH): Mutation detection of multiple samples by CDH-based microarray analysis

**Abstract # 4586**, Naohiro Tsuyama, M.S., Yamaguchi University, Ube, Japan, Lipid raft translocation of CD45RO, RB but not RA is significant for IL-6 responsive proliferation of myeloma cells

**Abstract # 4595**, Jun Inoue, Ph.D., Tokyo Medical and Dental University, Tokyo, Japan, High-throughput screening of methylated DNA sequences at 1p35-p36 in neuroblastoma by using BAC array-based MCA method (BAMCA)

**Abstract # 5298**, Noriyuki Omura, M.D., Tohoku University School of Medicine, Sendai, Japan, A novel E1A-E1B mutated adenovirus with modified fiber demonstrates effective tumor regression for pancreatic cancer therapy *in vivo*

**Abstract # 5537**, Yihua Wang, Ph.D., Chinese Academy of Medical Sciences, Beijing, China, Overexpression of EB1 in human esophageal squamous cell carcinoma (ESCC): Promoting cellular growth probably by activating beta-catenin/TCF pathway

**Abstract # 5574**, Wai Kei Kwok, B.S., The University of Hong Kong, Hong Kong Special Administrative Region of China, Upregulation of TWIST in prostate cancer and its implication as a therapeutic target

**Abstract # 6177**, Shigehisa Kitano, M.D., Mie University School of Medicine, Tsu, Mie, Japan, Cellular and humoral immune responses in patients vaccinated with HER2 protein combined with a novel nanoparticle antigen delivery system of cholesteryl hydrophobized polysaccharide (CHP-HER2)

## 2005 MEG/AACR Scholar-in-Training Awards

For meritorious proffered papers in molecular epidemiology, sponsored by the Molecular Epidemiology Working Group of the AACR. The mission of MEG/AACR is to increase knowledge about cancer and chronic disease etiology, thereby promoting the cure and prevention of cancer and the improvement of public health. In addition to travel support, award recipients receive a free one-year membership in MEG/AACR.

**Abstract # 2558**, Yawei Zhang, M.D., Ph.D., National Cancer Institute, Rockville, MD, USA, Polymorphisms in cell cycle pathway genes and risk of non-Hodgkins lymphoma

**Abstract # 4376**, Meghan A. McSorley, M.P.H., Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, USA, A collaborative study of the association between C-reactive protein concentrations and subsequent ovarian cancer risk

**Abstract # 4384**, Shehnaz K. Hussain, M.S., University of Washington, Seattle, WA, USA, Interleukin-2 and interleukin-2 receptor gamma gene polymorphisms, cigarette smoking, and risk of squamous cell cervical cancer

## 2005 AACR-Merck Scholar-in-Training Awards

Merck has graciously donated funds to the AACR to support young investigators who will be presenting meritorious proffered papers.

**Abstract # 804**, Jennifer L. Brace, B.S., Johns Hopkins University, Baltimore, MD, USA, The *saccharomyces cerevisiae* survival factor, SVF1, plays a role in sphingoid base signaling and survival

**Abstract # 1643**, Jia Huang, B.S., University of Pennsylvania, Philadelphia, PA, USA, Identification of common deletions in breast cancers from non-BRCA1/BRCA2 families using array-based comparative genomic hybridization

**Abstract # 1687**, Robert C.A.M. van Waardenburg, Ph.D., St. Jude Children's Research Hospital, Memphis, TN, USA, SUMO-conjugation regulates cell sensitivity to genotoxic stress

**Abstract # 1703**, Elizabeth Alli, M.S., University of Medicine and Dentistry of New Jersey, New Brunswick, NJ, USA, Partial restoration of p53 tumor suppressor function by siRNA to stathmin

**Abstract # 2517**, Cristina Nogueira, B.S., Dana-Farber Cancer Institute, Boston, MA, USA, Molecular dissection of melanoma-relevant genes and pathways

**Abstract # 2522**, Yorihsa Imanishi, M.D., Ph.D., University of Pittsburgh Cancer Institute, Pittsburgh, PA, USA, Angiopoietin-2 promotes MCF-7 breast cancer cell metastases by inducing epithelial-mesenchymal transition (EMT) through the beta1 integrin-mediated signaling pathway

**Abstract # 2527**, Weigang Wang, Ph.D., Albert Einstein College of Medicine, Bronx, NY, USA, Effect of LIM-kinase 1 on cancer invasion and metastasis

**Abstract # 2579**, Changxian Shen, Ph.D., St. Jude Children's Research Hospital, Memphis, TN, USA, The TOR pathway regulates S phase progression in response to DNA damage and replication stress

**Abstract # 2585**, Evan C. Osmundson, B.S., University of Illinois, Chicago, IL, USA, TGF-beta regulates beta-TrCP-mediated degradation of Cdc25A in a Smad3-dependent manner

**Abstract # 2594**, Martijn P.J.K. Lolkema, M.D., University Medical Center Utrecht, Utrecht, The Netherlands, VHL is a target of Wnt signaling and may regulate the angiogenic switch in colorectal carcinoma

**Abstract # 2603**, Kathryn L. Schwertfeger, Ph.D., Baylor College of Medicine, Houston, TX, USA, Early FGFR-mediated induction of the inflammatory response in breast cancer progression

**Abstract # 2619**, Eunmi Park, M.S., UT M.D. Anderson Cancer Center, Smithville, TX, USA, IKK alpha coordinates with RAS to switch well-differentiated papillomas to poorly differentiated malignant carcinomas in skin

**Abstract # 2622**, Yakov Chudnovsky, B.A., Stanford University, Stanford, CA, USA, Induction of invasive human melanocytic neoplasia by defined genetic elements

**Abstract # 2662**, Kristin A. Waite, Ph.D., The Ohio State University, Columbus, OH, USA, Phytoestrogen stimulation increases PTEN protein

**Abstract # 2666**, Melinda C. Myzak, B.A., Oregon State University, Corvallis, OR, USA, *In vivo* inhibition of histone deacetylase by sulforaphane

**Abstract # 3575**, Hanlee Ji, M.D., Stanford University, Stanford, CA, USA, The study of DNA repair in colon neoplastic development: A comparative-functional genomics approach

**Abstract # 4063**, Brock C. Christensen, B.S., Harvard School of Public Health, Boston, MA, USA, Mutation spectra of p53 in a population based case series of non-melanoma skin cancer

**Abstract # 5306**, Li Yang, Ph.D., Vanderbilt-Ingram Cancer Center, Nashville, TN, USA, Prostaglandin receptor EP2 but not EP4 inhibits DC migration in tumor-bearing hosts

**Abstract # 5678**, Sung-Hyeok Hong, D.V.M., Ph.D., National Cancer Institute, Rockville, MD, USA, The membrane-cytoskeleton linker ezrin provides a survival advantage to metastatic osteosarcoma cells that reach in the lung

**Abstract # 6116**, Jeffery J.M. Cowger, B.Sc., University of Western Ontario, London, ON, Canada, The putative oncogene ZABC1 (ZNF217) is a transcriptional repressor that interacts with CtBP

**Abstract # 6119**, Kathryn A. O'Donnell, B.S., Johns Hopkins School of Medicine, Baltimore, MD, USA, Transferrin Receptor 1, a direct c-Myc target, is necessary for cell-cycle progression and stimulates cellular proliferation under limiting conditions

**Abstract # 6140**, Marta Guix, M.D., Vanderbilt University, Nashville, TN, USA, Short course of EGF receptor tyrosine kinase inhibitor erlotinib (OSI-774, 'Tarceva') reduces tumor cell proliferation and active MAP kinase *in situ* in untreated operable breast cancers: A strategy for patient selection into Phase II trials with signaling inhibitors

## 2005 AACR-National Foundation for Cancer Research-Chemistry in Cancer Research Scholar-in-Training Awards

For meritorious proffered papers in chemistry, sponsored by the National Foundation for Cancer Research and the Chemistry in Cancer Research Working Group of the AACR. CICR/AACR seeks to bring together distinguished chemists in cancer research and other cancer scientists in chemistry-related fields for ongoing discussion of the present status and future promise of this important discipline. CICR/AACR helps the AACR promote, integrate, and widely disseminate new developments in cancer-related chemistry to the scientific community.

**Abstract # 371**, Charles Gerhard Knutson, B.S., Vanderbilt University, Nashville, TN, USA, Oxidative metabolism of an endogenously produced DNA adduct, M1dG: A novel approach to biomarker discovery

**Abstract # 373**, Tao Jiang, Ph.D., Massachusetts Institute of Technology, Cambridge, MA, USA, Deoxyribose oxidation in DNA leads to the formation of N6-formyllysine residues in histone proteins

**Abstract # 378**, Renée S. Mijal, M.P.H., University of Minnesota, Minneapolis, MN, USA, Sequence context affects the repair of the tobacco-specific nitrosamine adduct O<sup>6</sup>-pyridyloxobutylguanine by human O<sup>6</sup>-alkylguanine-DNA alkyltransferase variants

**Abstract # 2114**, Lida Oum, M.S., New York University, Brooklyn, NY, USA, Comparisons of replication of DNA templates with single (+)-trans-B[a]P-Gua lesions catalyzed by thermophilic A-family and Y-family polymerases

**Abstract # 5267**, Fang Li, Ph.D., Duke University Medical Center, Durham, NC, USA, Noninvasive imaging of Hypoxia-inducible Factor 1a (HIF-1a) level during radiation therapy of cancer

## 2005 AACR-Pezcoller Foundation Scholar-in-Training Awards

For presenters of meritorious proffered papers who reside in Europe. The Pezcoller Foundation sponsors these awards in order to enhance participation by predoctoral students, medical students and residents, postdoctoral and clinical fellows or equivalent residing in Europe in the programs and activities of the AACR and to provide these outstanding Scholar-in-Training Awardees with an opportunity to share their research findings with the international cancer research community at the AACR Annual Meeting.

**Abstract # 1641**, Daniëlle Meijer, M.Sc., Erasmus MC, University Medical Center, Rotterdam, The Netherlands, Functional screen for genes responsible for tamoxifen resistance of human breast cancer cells

**Abstract # 2526**, Laura Rosanò, Ph.D., Regina Elena National Cancer Institute, Rome, Italy, Endothelin-1/endothelin A receptor pathway is critical for epithelial-mesenchymal transition and metastasis in ovarian carcinoma progression

**Abstract # 2599**, Maurice Reimann, Ph.D., Charité-Universitätsmedizin Berlin, CVK, Berlin, Germany, ATM attenuates Myc-driven lymphomagenesis by sensing oncogene-induced DNA damage *in vivo*

**Abstract # 2955**, Marco Mazzone, M.S., Consorzio Mario Negri Sud, Santa Maria Imbaro (Chieti), Italy, Morpho-functional characterization of the intracellular activation compartment of the integral membrane type 1 matrix metalloprotease

**Abstract # 4312**, Leonard Girnita, M.D., Ph.D., Karolinska Institute, Stockholm, Sweden, Twin function of MDM 2 mediated ubiquitination of IGF-1R: Downregulation and signal activation

**Abstract # 4403**, Guy E. S. Faust, M.B.B.S., University of Leicester, Leicester, England, Oral administration of resveratrol in humans: Evaluation of plasma and urine levels

**Abstract # 6141**, Angelika B. Riemer, M.D., Ph.D., Medical University of Vienna, Vienna, Austria, Computerized mimotope surface scan identifies the cetuximab epitope on EGFR

## 2005 AACR-sanofi aventis Scholar-in-Training Awards

Sanofi aventis has graciously donated funds to the AACR to support young investigators who will be presenting meritorious proffered papers.

**Abstract # 930**, Ido Wolf, M.D., Cedars-Sinai Medical Center, Los Angeles, CA, USA, Unmasking of epigenetic silencing of PTCH and analysis of its expression and activities in breast cancer

**Abstract # 1621**, George Pouligiannis, M.Sc., University of Cambridge, Cambridge, England, 1Mb resolution array-CGH identifies small chromosome aberrations in chromosome unstable and microsatellite unstable colorectal cancers

**Abstract # 1628**, Yuxun Wang, M.D., Ph.D., Albert Einstein College of Medicine, Bronx, NY, USA, A missense mutation in replication protein A1 acts as a genetic modifier of p53 tumorigenesis

**Abstract # 1660**, Andreas Rimner, M.D., Memorial Sloan-Kettering Cancer Center, New York, NY, USA, Detection of gammaH2AX foci as a marker for repair of radiation-induced DNA damage *in vitro* and *in vivo*

**Abstract # 1709**, Brunilde M. Gril, M.S., University of Paris, Paris, France, SH3-Grb2 ligand inhibits HER2-dependent growth of cancer cells, increases docetaxel-induced apoptosis, and enhances docetaxel anti-tumor effects in human cancer xenografts

**Abstract # 1796**, Yaron Pereg, B.Sc., Tel Aviv University, Tel Aviv, Israel, Phosphorylation of Hdmx mediates its Hdm2- and ATM-dependent degradation following to DNA damage

**Abstract # 2200**, Chu-Ling Yu, Sc.D., Harvard School of Public Health, Boston, MA, USA, Residential exposure to petrochemicals and risk of leukemia: Using GIS tools to estimate individual residential

exposure levels

**Abstract # 2231**, Ann M. Madsen, M.P.H., Columbia University, New York, NY, USA, Plasma alpha-tocopherol and oxidative damage in the white blood cells of smokers

**Abstract # 2438**, Xiaoling Shen, B.S., University of Nebraska Medical Center, Omaha, NE, USA, Mechanisms of interferon gamma anti-tumor effects against MUC1 expressing tumors

**Abstract # 2512**, Kurt A. Krummel, Ph.D., The Salk Institute, La Jolla, CA, USA, A p53 mouse model with C-terminal lysine mutations is viable, but shows altered target gene transactivation

**Abstract # 2581**, Kongming Wu, Ph.D., Georgetown University, Washington, DC, USA, DACH1 inhibits breast cancer cell growth and invasion through down-regulating cyclin D1 kinase activity

**Abstract # 4266**, Tzu-Hsuan (Leon) Huang, M.S., University of California, Los Angeles, CA, USA, Anti-human HER2/neu TNFalpha: an agonistic antibody inducing HER2/neu activation *in vitro*

**Abstract # 4271**, Elizabeth Roman, M.D., Columbia University, New York, NY, USA, CD22 and CD74 expression in B-precursor acute lymphoblastic leukemia (pre-B ALL) and significant cytotoxicity of anti-CD22 and anti-CD74 antibodies: Implications for targeted immunotherapy

**Abstract # 4477**, Jingrui Jiang, Ph.D., Dana-Farber Cancer Institute, Boston, MA, USA, Identification and characterization of a novel activating mutation in the extracellular domain of the FLT3 Tyrosine Kinase in ALL

**Abstract # 5800**, Matthew B. Schabath, Ph.D., UT M.D. Anderson Cancer Center, Houston, TX, USA, Dietary phytoestrogens and lung cancer risk

**Abstract # 6100**, Minjung Kim, Ph.D., Dana-Farber Cancer Institute, Boston, MA, USA, Identification of novel candidate melanoma oncogene by comparative oncogenomics