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CURRICULUM VITAE

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EDUCATION:

<u>Institution and location</u>	<u>Degree</u>	<u>Year</u>	<u>Field</u>
City University of New York, Graduate School, New York, NY	Ph.D.	1985	Biochemistry
City University of New York Graduate School, New York, NY	Ph.M.	1981	Biochemistry
City University of New York	B.A.	1977	Chemistry
City University of New York	A.S.	1975	Engineering

PROFESSIONAL EXPERIENCE:

Dean of Translational Science and External Affairs

(February 2018 – present) - City of Hope

Special Government Employee

(2016-2020) - Food and Drug Administration (Oncology)

Director, IMPACT Center for Translational Medicine (2013 – Present)

M.T. & B.A. Ahmadinia Professorship in Molecular Oncology

2014 – Present - City of Hope Beckman Research Institute

Deputy Director Research

October 2012 – February 2018 - City of Hope NCI designated Comprehensive Cancer Center

Associate Director for Basic Science

June 2011- September 2012 - City of Hope NCI designated Comprehensive Cancer Center

Professor and Associate Chair

June 2011 – Present - City of Hope Beckman Research Institute, Department of Molecular and Cellular Biology

Founder and Leader of Molecular Oncology Program

June 2011 - 2014 – City of Hope NCI designated Comprehensive Cancer Center

Co-Leader of Women’s Cancers Program

June 2012 - 2014 – City of Hope NCI designated Comprehensive Cancer Center

Professor

January 2002 – June 2011 - Indiana University School of Medicine, Department of Medicine, Division of Hematology and Oncology

Vera Bradley Chair of Oncology

January 2002 – June 2011 - Indiana University Simon Cancer Center

Founder and co-Leader of the Indiana University Simon Cancer Center Breast Cancer Program

March 2002 – June 2011 - Indiana University Simon Cancer Center

Founder and Director of the Indiana Signature Center for Breast Cancer Research

July 2010 – June 2011 - Indiana University Purdue University Indianapolis

Professor

July 2006 – June 2011 - Indiana University School of Medicine, Department of Pharmacology

Professor

July 2007– June 2011- Indiana University School of Medicine, Department of Surgery

Professor

February 2009– June 2011 - Indiana University School of Medicine, Department of Medical & Molecular Genetics

Visiting Professor

September 2005 - Third Military Medical University, Chongqing, China

Adjunct Full Professor

January 2002 – August 2005 - University of Maryland School of Medicine, Department of Pharmacology and Experimental Therapeutics, and the Programs in Molecular Biology, Oncology and Toxicology

Full Professor

July 2001 – January 2002 - University of Maryland School of Medicine, Department of Pharmacology and Experimental Therapeutics, and the Programs in Molecular Biology, Oncology and Toxicology

Affiliate Scientist

1999 – 2001 – Los Alamos National Laboratory, Los Alamos, New Mexico

Associate Professor

July 1995 – June 2001 - University of Maryland School of Medicine, Department of Pharmacology and Experimental Biology, and the Programs in Molecular Biology, Oncology and Toxicology

Affiliate Associate Professor

1995 - 2001 - University of Maryland School of Medicine, Department of Anesthesiology

Assistant Professor

January 1990 – June 1995 - University of Maryland School of Medicine, Department of Pharmacology and Experimental Biology, and the Molecular and Cellular Biology Program.

Postdoctoral Research Fellow

July 1985 - January 1990 - Worcester Foundation for Experimental Biology, Shrewsbury, MA

Graduate Research Assistant

1983 - 1985 – City University of New York, New York, NY

RESEARCH EXPERIENCE:

Current Research Program

Several projects are currently being pursued. (1) Characterization of a multiprotein complex (the DNA synthesome), and its components, from human cells that is required for DNA replication. (2) Elucidation of molecular alterations that occur to the DNA synthesome as a function of malignancy. (3) Identification of factors responsible for activation and regulation of the DNA synthesome. (4) Determining the mechanism of action of anticancer agents that affect cellular DNA synthesis. (5) Identification of novel biomarkers for cancer risk, early detection and chemotherapeutic response. (6) Identification of new molecular therapeutics for cancer.

Postdoctoral Research

(1) Isolation of a human cell multiprotein complex that supported simian virus 40 (SV40) DNA replication *in vitro*. (2) Purification and characterization of a dA/dT sequence binding protein that specifically recognized the dA/dT rich domain of the SV40 DNA replication origin.

Doctoral Research

Biochemical and genetic studies of nucleotide metabolism and DNA synthesis in mammalian cell mutants that are temperature-sensitive for DNA replication and cell growth.

RESEARCH INTERESTS:

1. Control of proliferation in non-malignant and tumor cells.
2. Mechanism(s) and regulation of human DNA replication/repair.
3. The mechanism of action of cancer chemotherapeutic agents affecting cellular DNA synthesis.
4. Functional proteomic approaches to understanding cancer.
5. Cancer biomarker and molecular therapeutic target discovery.

AWARDS AND RECOGNITION:

Women's Professional Development Honoree (February 2018)

University of Texas MD Anderson Cancer Center External Scientific Advisor Breast Cancer SPORE (October 2016 – present)

Chair of the 5th Annual *Brinkenhoff Breast Cancer Symposium* (October 2016)

Chair of the 4th Annual *Brinkenhoff Breast Cancer Symposium* (November 2017)

Chair of the 3rd Annual *Brinkenhoff Breast Cancer Symposium* (October 2016)

Cedars-Sinai Medical Center, External Scientific Advisor (2016-Present)

University of Nebraska Buffet Cancer Center External Scientific Advisor (2015- Present)

Chair of the 2nd Annual *Brinkenhoff Breast Cancer Symposium* (October 2015)

Congressionally Directed Medical Research Program Department of Defense Ovarian Cancer Research Program Integration Panel Chair (2014 - 2018)

University of California Irvine Cancer Center External Advisor (2015)

University of Arizona Tucson Cancer Center External Advisor (2014-2016)

University of Wisconsin Madison Cancer Center External Scientific Program Reviewer (2014)
 Chair of the *Brinkenhoff Breast Cancer DNA Repair Symposium* (September 2014)
 Editor-in-Chief - *Translational Cancer Research and Clinical Oncology* (2014-present)
Woman in Science Award presented by Senator Carol Liu (June 2014)
 Yale University Cancer Center External Advisor (2013-present)
 University of Texas San Antonio Cancer Center – External Scientific Program Reviewer (2013)
 Editorial Board Member – *Tumor Cell* (2012 – present)
 2011 *Steps to the Cure Lifetime Achievement Award*
 Chair for the FASEB meeting *Nuclear Structure and Cancer* (2010)
 Congressionally Directed Medical Research Program Department of Defense Ovarian Cancer
 Research Program Integration Panel Member (2011 - 2014)
 Editorial Board Member – *International Journal of Biochemistry and Molecular Biology*
 (2011-present)
 US Army Medical Research and Materiel Command Ovarian Cancer Research Program 2011
 Integration Panel Vision Setting member (2011)
 Editorial Board Member – *Cancer Research* (2010-present)
 Principal Speaker - FASEB Summer Research Conference on *Nuclear Structure and Cancer*
 (June 2009)
 Editorial Board Member - *American Journal of Translational Research* (2009-present)
 Editorial Board Member – *Cancer Prevention Research* (2008-2015)
 2007 Indiana Woman of Achievement Award
 US Army Medical Research and Materiel Command Breast Cancer Research Program *Ad hoc*
 Integration Panel Member (2006 - present)
 3rd Annual Indiana Life Sciences Forum Speaker (2007)
 Principal Speaker - FASEB Summer Research Conference on *Nuclear Structure and Cancer*
 (June 2005)
 Associate Editor – *Cancer Research* (2003-2010)
 Editorial Board Member - *Current Cancer Therapy Reviews* (2004-present)
 Breast Cancer Medical Researcher Award, the Indiana Breast Cancer Alliance (October 2003)
 Honoree, Speaking of Women's Health (October 2003)
 Alliance of Distinguished Rank Professors, Indiana University (2002-2011)
 Invited faculty for the 2nd *Tumor Markers Conference*, sponsored by the M.D. Anderson Cancer
 Center (March 2001)
 Plenary Speaker at the FASEB Summer Research Conference on *Nuclear Structure and Cancer*
 (August 2001)
 Women's Health Research Group Researcher Award (September 2000)
 Chairman, *DNA Replication Session, Annual Meeting of the Cell Proliferation Society* (1999)
 Plenary Speaker NIH Workshop on *Chromatin, Transcription and DNA Replication* (1999)
 Chairman of the *Cell Growth and Apoptosis II: Growth Factors and Signaling Pathways*
Session at the Annual American Association of Cancer Research Meeting (1998)
 National Institutes of Health/National Cancer Institute Public Health Service Award (Director's
Award) (Shannon Award) CA65754 (1995-1997)
 Maryland Designated Research Initiative Fund Award (1992-1998)
 Plenary Speaker at the McGill University International Conference on the *Regulation of*
Eukaryotic DNA Replication (1996, 1998, 2001)
 University of Maryland Cancer Center Interdisciplinary Research Award (1996-1997)
 National Leukemia Association Award (1993-1994)
 Session Chairman and Speaker at the Gordon Research Conference on *Enzyme Organization*
and Cell Function (1993)
 American Cancer Society/Maryland Division Research Award (1991-1993)
 American Cancer Society/Maryland Cancer Program Individual Grant Award (1990-1991)
 Frank C. Bressler Research Fund Award (1990-1991)
 National Institutes of Health Postdoctoral Fellowship, National Cancer Institute (1986-89)
 Invited participant in the Histopathobiology of Cancer Workshop at Keystone, CO organized by
 the National Cancer Institute (1987)
 Helene Rubinstein Graduate Tuition Grant (1982, 1983)

CURRENT FUNDING SUPPORT:

RLL Therapeutics, LLC (2018-2021) “*IND enabling studies for the small molecule AOH1996*” Role: Principal Investigator.

American Cancer Society (2019-2021) “*Institutional Research Grant*” This project funding provides crucial seed funding for beginning faculty members, allowing them to conduct pilot studies on novel types of cancer research and generate initial publications and data on which to base extramural grant applications. The City of Hope Comprehensive Cancer Center (COHCCC) is uniquely suited to efficiently conduct translational research and ensure that technological innovations are quickly translated from the lab to the clinical setting. The major research themes of COHCCC are implemented through its scientific programs which are organized around the scientific strengths of their members and structured to maximize collaborative interactions. The emphasis of this cancer center is on translational research, and the scientific programs, core facilities and infrastructure, and overall organization have been structured to facilitate the rapid translation of basic research discoveries into clinical trials. Role: Principal Investigator.

Department of Defense Medical Research and Development Command Research Program (2015-2018) “*Exploring molecular vulnerability in the Small Cell Lung Cancer (SCLC) subset for potential therapeutic intervention*” The goal of this project is to understand how a decoy peptide that targets caPCNA functions in SCLC that harbor n-myc amplification. Role: Principal Investigator.

Lung Cancer Research Foundation (2014-2018) “*Evaluation of a Synthetic Lethal Interactor Targeting an SCLC Patient Subset*”. Establish a role for replication stress in SCLC. Role: Principal Investigator.

Oxnard Foundation (2015-2018) “*Identifying New Targets for Breast Cancer Therapy*”. Aim- To complete pre-clinical we will produce sufficient quantities of AOH1160 (1 kg) in a process that meets FDA GLP/cGMP regulations. The synthesis will be performed at City of Hope’s Chemical GMP Synthesis Facility (CGSF). We will fully assess the physicochemical properties of AOH1160 and use these results to design and optimize compound formulation. Based on our preliminary pharmacokinetic (PK) results, we will focus on compound absorption and stability in vivo. After establishing an oral formulation, we will determine the PK of the formulated compound in animals. Dosing information obtained thereof will inform both animal toxicology studies and future clinical evaluations. Role: Principal Investigator

STOP CANCER Beverly Weiss Memorial Seed Grant (2015-2018) “*Evaluating MYC and Replication Stress in Small Cell Lung Cancer (SCLC) for Potential Therapeutic Intervention*”. Evaluate the contribution of MYC amplification to the replication stress response in SCLC cells and tissue. Role: Principal Investigator.

STOP CANCER Jodi Nathanson Memorial Research Career Development Award (2015-2018) “*Development of a novel small molecule for Small Cell Lung Cancer (SCLC) for Potential Therapeutic Intervention*” - Aim: Perform pre-clinical studies of a novel small molecule targeting caPCNA. Role: Principal Investigator.

PENDING RESEARCH FUNDING SUPPORT:

Department of Defense Congressionally Directed Medical Research Programs (2019-2023) “*IND-enabling studies of a potential first-in-class therapy targeting Neuroblastoma*” (Impact Award). Role: Principal Investigator. Total Costs = \$4,000,000

National Institutes of Health/National Cancer Institute (2019-2024) “*Exploiting tumor cell vulnerability for therapeutic intervention*” (R01). Role: Principal Investigator. Total Costs = \$3,000,000

U54 NIH/NCATS (2019-2024) “*IMPACT Hub*” Goals: 1) Develop the IMPACT workforce of the future, by enabling all levels of the workforce to acquire the multidisciplinary skills necessary for conducting vanguard clinical and translational research to meet the opportunities and challenges of modern medicine. 2.) Nurture an exceptional environment to facilitate and accelerate development of the most promising discoveries by investigators within network into products and practices that advance human health. 3) Launch and apply resources and services to: (a) develop significant infrastructure for community engagement to enable research implementation; (b) address the specific problems in medically vulnerable populations that will accelerate the translation of discoveries for facilitate health management, and (c) facilitate effective health product and practice implementation to underserved populations. Role: Principal Investigator. Total Costs = \$15,000,000

OTHER SUPPORT DEVELOPED:

Vera Bradley Foundation (2009) I was instrumental in the development of a \$10 million endowment awarded to IUSCC for the further development of the Breast Cancer Program.

Vera Bradley Foundation (2006) I was instrumental in the development of a \$6.8 million pledge awarded to IUSCC for the recruitment of new faculty and the development of research related programs.

Vera Bradley Foundation (2003) I was instrumental in the development of a \$2 million endowment from the foundation for the development of a biomarker discovery program within the IUSCC Breast Cancer Program.

PREVIOUS RESEARCH FUNDING SUPPORT:

National Institutes of Health/National Cancer Institute Cancer Center Support Award (2013-2018) The major goal of this project was to help support the research programs that have been established to allow successful collaboration among basic and clinical researchers. Role: Deputy Director.

Alex’s Lemonade Stand Foundation for Childhood Cancer (2015-2017) “*A Novel Target for Neuroblastoma Treatment*” The goal of this project is to perform preclinical testing of a novel small molecule developed for the treatment of neuroblastoma. **Role: Principal Investigator.**

Department of Defense Medical Research and Development Command Research Program (2011-2015) “*New Molecular Target for Neuroblastoma Therapy*”. The goal of this project is to evaluate the isoform of proliferating cell nuclear antigen (caPCNA), expressed by cancer cells and tumor tissue, as a potential therapeutic target for the treatment of neuroblastoma. **Role: Principal Investigator.**

St. Baldrick’s Foundation (2013-2014) “*caPep: evaluation of an agent that targets MYCN-amplified neuroblastoma*”. **Role: Principal Investigator.** Total Cost \$ 100,000.

National Institutes of Health/National Cancer Institute Public Health Service Award (2007-2014) “*A Structure/function analysis of a tumor specific protein*” (R01) The goal of this project is to show that the unique structure and function of an isoform of proliferating cell nuclear antigen (caPCNA), expressed by breast cancer cells and tumor tissue, plays an important role in the proliferation and progression of these cancer cells. **Role: Principal Investigator.** Total Costs = \$1,895,000.

Department of Defense Medical Research and Development Command Breast Cancer Research Program (2010-2013) *“Peptides Directed Against Cancer Associated PCNA Has Therapeutic Potential in Breast Cancer”*. Total Costs = \$180,000.

Indiana University Purdue University Indianapolis Signature Center Award (2010-2013) *The Indiana Signature Center for Breast Cancer Research*. The spectrum of studies to be performed included the development of novel agents, technologies, and markers for the better diagnosis, prognosis, screening, prevention, and treatment of breast cancer. **Role: Director/Principal Investigator - signed award over to another PI upon leaving Indiana University.** Total Costs = \$450,000.

Department of Defense Medical Research and Development Command Breast Cancer Research Program (2004-2011) *Center of Excellence for Individualization of Therapy for Breast Cancer*. (The purpose of the Center of Excellence was to combine the emerging technologies of genomics, proteomics, and pharmacogenetics / pharmacogenomics to predict the response to commonly used chemotherapeutic agents and novel targeted agents in the setting of advanced breast cancer. The predicted outcome of such analyses could be therapeutic individualization, the matching of individual agents to specific patients most likely to benefit in the least toxic possible manner.) **Dr. Malkas was the co-leader of the Center.** Total Costs = \$9,994,955.

SynTherix, Inc. (2009-2011) *“Targeted Peptidomimetic Evaluation”*. **Role: Principal Investigator.** Total Costs = \$500,000.

ANNA Foundation (2006-2011) (These funds supported neuroblastoma related research studies in the laboratory.) **Role: Principal Investigator.** Total Costs = \$250,000.

Vera Bradley Foundation (02/01/02 – 5/31/11) (These funds supported the endowed Chair of Oncology that Dr. Malkas held).

CS-Keys, Inc. (4/15/08-12/31/09) *“Validate caPCNA as a target for drug discovery”* (The purpose of this contract was to demonstrate the validity of caPCNA for anticancer drug discovery) **Role: Principal Investigator.** Total Costs = \$235,000.

CS-Keys, Inc. (6/06-6/08) *“Validate the utility of caPCNA antibody for the detection of breast cancer”* (The purpose of this contract was to demonstrate the selectivity of caPCNAab for breast malignancy and define its ability to distinguish proliferative and benign disease from malignant breast tissues.) **Role: Principal Investigator.** Total Costs = \$71,062.

Charlotte Geyer Foundation (12/01/06 – 11/30/07) *“Identification of PCNA Post-translational Modifications”* (The goal of this project was to identify the post-translational modifications responsible for the expression of the caPCNA isoform present in breast cancer cells. **Role: Principal Investigator.** Total Costs = \$100,000

Department of Defense Medical Research and Development Command Breast Cancer Research Program (2002-2005) *Cancer Specific Proliferating Cell Nuclear Antigen as a Novel Diagnostic Marker for the Detection of Breast Cancer*. The goal of this research was to develop an enzyme linked immunosorbent assay (ELISA) for csPCNA. Total costs = \$144,000.

Department of Defense Medical Research and Development Command Breast Cancer Research Program (2002-2005) *Regulatory Control of Breast Tumor Cell Poly (ADP-Ribose) Polymerase*. Total costs = \$144,000.

National Institutes of Health/National Cancer Institute Public Health Service Award (1999-2005) *Development and Evaluation of a Novel Cancer Biomarker (RO1 CA83199)*. This project was aimed at the development and validation of an antibody directed

specifically at a uniquely altered form of PCNA found in breast cancer cells. Role: PI. Total Costs = \$1,780,000

Department of Defense Medical Research and Development Command Breast Cancer Research Program (1999-2002) The Regulatory Interactions of p21 and PCNA in Human Breast Cancer. Total Costs = \$66,000.

Department of Defense Medical Research and Development Command Breast Cancer Research Program (1998-2001) The Breast Cell DNA Synthesome for Evaluating Antineoplastic Drug Action. Total Costs = \$66,000.

National Institutes of Health/National Cancer Institute Public Health Service Grant (1997-2000) Regulation of Breast Cancer Cell DNA Synthesis (RO1 CA73060). This application received a priority ranking of 7.8%. Total Costs = \$607,791.

Department of Defense Medical Research and Development Command Breast Cancer Research Program (1997-2000) Identification of Molecular Alterations of the DNA Replication Apparatus of Human Breast Cancer Cells. Total Costs = \$66,000.

Schleicher & Schull Breast Cancer Postdoctoral Fellowship (1998-2000) A Unique Breast Cancer Biomarker for the Clinical Evaluation of Malignancy. Total Costs = \$54,000. This was a postdoctoral fellowship awarded to Dr. Pamela Bechtel who worked in the laboratory.

National Institutes of Health/National Institute of Environmental Health Sciences NRSA Postdoctoral Training Fellowship in Toxicology (1998-2000). Total costs = \$38,800. This was a postdoctoral fellowship awarded to Dr. Jennifer Sekowski who worked in the laboratory.

National Institutes of Health/National Cancer Institute Public Health Service Award (1996-2000) Unique Model For Evaluating Anticancer Drugs (RO1 CA57350-04). Total Costs = \$842,283. This competing renewal application received a priority ranking of 2.5% and was the highest scoring RO-1 proposal in the June 1996 meeting of the ET-2 study section.

Maryland Designated Research Initiative Award (1997-1998) Development of a new potential target for anticancer therapy. Total Costs = \$14,900.

Department of Defense Medical Research and Development Command Breast Cancer Research Program (1994-1998) A Novel Model System To Examine Agents Used in Breast Cancer Therapy. Total Costs = \$74,966. This was a predoctoral fellowship awarded to Jennifer Coll working in the laboratory.

National Institutes of Health/National Cancer Institute Public Health Service Award (1993-1996) Unique Model for Evaluating Anticancer Agents (RO1 CA57350). Total Costs = \$497,476.

Shannon Award, National Institutes of Health Public Health Service Grant (1995-1997) Molecular Changes That Promote Breast Cell Malignancy (RSS CA65754). Total Costs = \$100,000.

Maryland Designated Research Initiative Award (1996-1997) A Unique Model for Evaluating Anticancer Agents. Total Costs = \$14,550.

University of Maryland Cancer Center New Interdisciplinary Research Award (1996-1997) Identification and development of a new potential target for anticancer therapy. Total Costs = \$20,000.

University of Maryland Cancer Center (1996) Travel award for graduate student, Jennifer Coll, to attend San Antonio Breast Cancer Meeting and present her research results (December 1996). Award = \$700.

Maryland Designated Research Initiative Fund Award (1994-1995) Breast Cell Proliferation: Regulation of a Key Proliferation Response in Normal and Cancer Cells. Total Costs = \$15,000.

National Leukemia Association (1993-1994) Evaluating the Mechanism of Action of Ara-C and Other Antileukemic Agents. Total Costs = \$4,150.

American Cancer Society/Maryland Division Research Award (1991-1993) A Protein that Potentially Mediates the Initiation of Human Cell DNA Synthesis. Total Costs = \$26,000.

Maryland Designated Research Initiative Fund Award (1992-1993) Evaluating the Effects of Anti-Neoplastic Agents. Total Costs = \$10,000.

American Cancer Society/Maryland Cancer Program Grant Award (1990-1991) A Multiprotein Complex Mediates Polyomavirus DNA Replication In Vitro. Total Costs = \$10,000.

Frank C. Bressler Research Fund Award (PH-4) (1990-1991) A Protein that Potentially Mediates the Initiation of Human Cell DNA Synthesis. Total Costs = \$13,000.

Veterans Administration Research Grant (1992-1996) Detection of Drug Resistant Cells in Acute Leukemia. Total Costs = \$380,000. (LHM was a co-investigator on this award).

American Cancer Society/National Division Research Award (1993-1995) Anticancer Drug Action Mediated By DNA Helicases. Total Costs = \$200,000. (LHM was a co-P.I. on this award).

National Institutes of Health/National Cancer Institute (1992-1997) Master Agreement For Mechanism of Action and Biochemical Pharmacology Studies of Antitumor Agents. Total Costs = \$750,000. (LHM was a co-investigator on this award).

FEDERAL GOVERNMENT ADVISORY COMMITTEE PARTICIPATION:

Department of Defense Medical Research and Development Command Breast Cancer Research Program Study Section Member (Chemotherapy-2) (1994)

National Science Foundation External Reviewer for Grant Application (1994)

National Institutes of Health Special Reviewer/Experimental Therapeutics I Study Section (February 1994, June 1994, February 2001)

National Institutes of Health Experimental Therapeutics I Permanent Study Section Member (October 1994 – June 1998)

Department of Defense Medical Research and Development Command Breast Cancer Research Program Grant Progress Reviewer (1996)

Department of Defense Medical Research and Development Command Breast Cancer Research Program Study Section Member (Molecular Biology I) (1997)

Department of Defense Medical Research and Development Command Breast Cancer Research Program Study Section Member (Academic Awards) (1998)

National Cancer Institute Rapid Access to Intervention Development Program Review Group Member (1998-1999)

National Institutes of Health/National Cancer Institute Postdoctoral Fellowships Study Section Member (March 1999 - present)

National Institutes of Health/National Cancer Institute Investigator-Initiated Conference Grant Reviewer (March 1999)

Department of Defense Medical Research and Development Command Breast Cancer Research Program Study Section Member (Molecular Biology) (1999 - 2001)

Department of Defense Medical Research and Development Command Ovarian Cancer Program Project Review Study Section Member (December 1999)

National Institutes of Health/National Cancer Institute Grant Reviewer for Interdisciplinary Research Teams for Molecular Target Assessment (Oct. 2000)

National Institutes of Health/National Cancer Institute Study Section Site Visit Program Project Reviewer, Subcommittee D – Clinical Studies (Sept. 2000)

National Institutes of Health Special Reviewer Biochemistry Study Section Member (Feb. 2001)

National Institutes of Health Minority Students and Students with Disabilities Fellowships Reviewer (Sept. 2000, March 2001)

National Institutes of Health/National Cancer Institute Diagnosis and Treatment of Cancer Special Emphasis Panel (SBIR) Study Section Member (July 2000 - 2002)

Department of Defense Medical Research and Development Command Ovarian Cancer Program Project Review Study Section Chair (October 2001)

National Institutes of Health/National Cancer Institute Grant Reviewer for Molecular Targets for Drug Discovery for Cancer Study Section (November 2001)

National Institutes of Health Postdoctoral Fellowships Study Section Member (2001-2003)

National Institutes of Health/National Cancer Institute Study Section Site Visit Program Project Reviewer, Subcommittee C – Basic and Preclinical Studies (May 2002)

Department of Defense Medical Research and Development Command Breast Cancer Research Program Study Section Member (Molecular Biology and Genetics 4) (August 2002)

National Institutes of Health/National Cancer Institute Special Reviewer for Cancer Molecular Pathobiology (CAMP) Study Section (February, June 2003)

Department of Defense Medical Research and Development Command Concept Award Review Study Section (2003)

Department of Defense Medical Research and Development Command Ovarian Cancer Program Study Section (June 2003, April 2004)

National Institutes of Health/National Cancer Institute Reviewer for Cancer Molecular Pathobiology (CAMP) Study Section (October 2003 – June 2007)

National Institutes of Health Reviewer for Academic Public Private Partnership Program Planning Grants (March 2004)

Department of Defense Medical Research and Development Command Breast Cancer Research Program Study Section Member (2004, 2005)

VA Merit Review Subcommittee for Oncology B Full Member (June 2004-June 2007)

National Institutes of Health/National Cancer Institute Reviewer for Special Emphasis Panel ZRG1 Onc-L (04) DNA Repair Study Section (March 2005)

Department of Defense Medical Research and Development Command Ovarian Cancer Program Study Section Chair (April 2005)

National Institutes of Health/National Cancer Institute Cancer Center Review/Site Visit (Cancer Center Support Grant, P30) (May 2005)

National Institutes of Health/National Cancer Institute Cancer Center Parent Committee *Ad Hoc* Reviewer (Cancer Center Support Grants, P30) (July 2005)

National Institutes of Health Reviewer for Academic Public Private Partnership Program Planning Grants (September 2005)

Department of Defense Medical Research and Development Command Breast Cancer Program Study Section Chair (December 2005)

Department of Defense Medical Research and Development Command Ovarian Cancer Program Concept Award Reviewer (2006)

National Cancer Institute Subcommittee A for Cancer Center Support – Full Parent Committee Member - (2006-2011)

Department of Defense Medical Research and Development Command Ovarian Cancer Program Study Section Chair (2006, 2008)

US Army Medical Research and Materiel Command Breast Cancer Research Program *Ad hoc* Integration Panel Member (2006 - present)

Department of Defense Medical Research and Development Command Breast Cancer Research Program Synergistic Idea Award Study Section Chair (March 2007)

Department of Defense Medical Research and Development Command Ovarian Cancer Program Study Section Chair (September 2007)

National Institutes of Health/National Cancer Institute *Ad Hoc* Reviewer for (MONC) Study Section (September 2007)

National Cancer Institute review panel member of the NCI-Frederick Federally-Funded Research and Development Center (NCI-FFRDC) (January 2008)

Avon-NCI "Progress for Patients" (PFP) applications for Early Phase Clinical Interventions and Biomarkers in Breast Cancer (Limited Competitive Supplements for P30 Cancer Center Support and P50 SPORE Grants) study section (February 2008)

Department of Defense Medical Research and Development Command Ovarian Cancer Program Study Section Chair (2008)

Department of Defense Congressionally Directed Medical Research Program for Bone Marrow Failure - Study Section Chair (2008)

National Institutes of Health/National Cancer Institute *Ad hoc* Reviewer for Cancer Genetics Study Section (October 2008, February 2009)

Department of Defense Congressionally Directed Medical Research Program for the Deployment Related Medical Research Program (DRMRP) - Study Section Chair (2008)

National Institutes of Health/National Cancer Institute SPORE in Gynecological Cancers Review Panel - Co-Chair (February 2009)

National Institutes of Health Postdoctoral Fellowship Review-Panel ZRG1 F06 E 20 L - *Ad hoc* Reviewer (2009)

Department of Defense Medical Research and Development Command Ovarian Cancer Program Study Section Chair (Panel OC-1) (2009)

Department of Defense Medical Research and Development Command Ovarian Cancer Program Study Section Chair (Panel OC-4) (2009)

National Institutes of Health/National Cancer Institute ARRA Application Review Panel – Chair (August 2009)

National Institutes of Health/National Cancer Institute Initial Review Group for Burnham Institute Cancer Center (NCI-A RTRB-L (P1) – Chair of Review Panel (October 2009)

National Institutes of Health/National Cancer Institute SPORE in Breast, Ovarian, and Skin Cancers Review Panel – Discussion Leader/study section member (February 2010)

National Institutes of Health/National Cancer Institute Special Emphasis Panel Review for the University of Pittsburgh Cancer Institute P30 Support Award (February 2010)

US Army Medical Research and Materiel Command Ovarian Cancer Research Program 2010 Integration Panel *Ad hoc* member during programmatic review

National Institutes of Health/National Cancer Institute Initial Review Group for Boston University Cancer Center – Chair of Review Panel (October 2010)

US Army Medical Research and Materiel Command Ovarian Cancer Research Program 2011 Integration Panel Vision Setting member

Congressionally Directed Medical Research Program Department of Defense Ovarian Cancer Research Program Integration Panel Member (2011 - 2014)

National Institutes of Health/National Cancer Institute Initial Review Group for University of California Davis Cancer Center – Chair of Review Panel (January 2011)

National Institutes of Health/National Cancer Institute SPORE in Breast, Prostate, and Skin Cancers Review Panel – Discussion Leader/study section member (February 2011)

US Army Medical Research and Materiel Command (USAMRMC) Breast Cancer Research Program (BCRP) 6th *Era of Hope* (EOH) Conference Abstract Subcommittee (March 2011)

National Institutes of Health/National Cancer Institute Initial Review Group for University of Virginia Cancer Center – Chair of Review Panel (June 2011)

National Institutes of Health/National Cancer Institute Special Emphasis Panel (SBIR Topic 255) Phase 1 Development of Anticancer Agents Study Section Member (March 2012)

National Institutes of Health - Collaborative Interdisciplinary Team Science in NIDDK Research Areas (R24) study section member (March 2012).

VA Oncology Merit Review Oncology Panel *Ad Hoc* Study Section Member (June 2012)

National Institutes of Health/National Cancer Institute Special Emphasis Panel Study Section Member (PAR-12-055 Limited Competition: Comprehensive Partnerships to Advance Cancer Health Equity (CPACHE) (U54)) (July 2012)

National Institutes of Health/National Cancer Institute SPORE in Ovarian, Lung, Prostate and Skin Cancers Review Panel (September 2012)

National Institutes of Health/National Cancer Institute Special Emphasis Panel Chairman of Review (PAR 12-144 (R03) Small Grants Program in Cancer Research (NCI Omnibus R03) and PAR 12-145 Exploratory/Developmental Research Grants Program (NCI Omnibus R21)) (November 2012)

VA Oncology Merit Review Oncology Panel Study Section co-Chair (December 2012 - 2014)

National Institutes of Health/National Cancer Institute Initial Review Group for Northwestern University Cancer Center – Chair of Review Panel (February 2013)

National Institutes of Health/National Cancer Institute Special Emphasis Panel Study Section Member (PAR-12-144 (R03) Small Grants Program in Cancer Research (PAR-12-145 (R21) Exploratory /Developmental Research Grant Program (March 2013)

US Army Medical Research and Materiel Command (USAMRMC) Breast Cancer Research Program (BCRP) *Ad hoc* member during Programmatic Review of FY 2012 Postdoctoral Fellowship, Idea and Idea Expansion Award (April 2013)

National Institutes of Health/National Cancer Institute Special Emphasis Panel (SBIR Phase II Anticancer Agents) Study Section Member (May 2013)

National Institutes of Health/National Cancer Institute Special Emphasis Panel (Drug Development and Delivery) Study Section Member (June 2013)

National Institutes of Health/National Cancer Institute Special Emphasis Panel Study Section Chair “*Validation and Advanced Development of Emerging Molecular Analysis Technologies for Cancer Research ((R33))*” (July 2013)

National Institutes of Health/National Cancer Institute Special Emphasis Panel (Provocative Questions) Study Section Chair (November 2013)

National Institutes of Health/National Cancer Institute SPORE Review Panel Member (November 2013)

National Institutes of Health/National Cancer Institute SPORE Review Panel – Panel Chair (February 2014)

National Institutes of Health/National Cancer Institute Small Business Innovative Research (SBIR) Development of Novel Therapeutic Agents – Study Section Member (April 2014)

National Cancer Institute Exploratory/Developmental Research Grant Program Cancer Biology Panel and Section Review Member (April 2014)

National Institutes of Health/National Cancer Institute Initial Review Group for Duke University Cancer Institute – Review Panel Member (May 2014)

National Institutes of Health/National Cancer Institute *Omnibus SEP-11, Cancer Drug Development* Review Panel– Panel Chair (July 2014)

National Institutes of Health/National Cancer Institute Initial Review Group for Purdue University Cancer Center – Chair of Review Panel (September 2014)

Congressionally Directed Medical Research Program Department of Defense Ovarian Cancer Research Program Integration Panel Chair (2015 - 2017)

National Institutes of Health/National Cancer Institute Initial Review Group for Washington University Siteman Cancer Center Review Panel (January 2015)

National Cancer Institute’s Outstanding Investigator Award (R35) Review Meeting Section Review Member (March 2015)

National Institutes of Health/National Cancer Institute Abramson Cancer Center, University of Pennsylvania Site Visit (May 2015)

National Institutes of Health/National Cancer Institute Initial Review Group for University of Southern California Norris Cancer Center Review Panel (June 2015)

National Institutes of Health/National Cancer Institute *Cancer Drug Development* Review Panel– Panel Chair (July 2015)

VA Oncology E Merit Special Emphasis Panel/Scientific Review Group- Chair (December 2015)
 Food and Drug Administration - Special Government Employee (2016-2020)
 National Institutes of Health/National Cancer Institute Fox Chase Cancer Center Site Visit
 Review (January 2016)
 National Institutes of Health/National Cancer Institute SPORE Review Panel – Panel Chair
 (February 2016)
 National Institute of Health Physical Sciences- Oncology Projects Review Panel (February 2016)
 Congressionally Directed Medical Research Program Breast Cancer Research Program Ad hoc
 Integration Panel Member (April 2016)
 National Institute of Health Physical Sciences- Physical Sciences Oncology Centers Panel
 Member (April 2016)
 VA Oncology A /Scientific Review Group- Co-Chair (May 2016)
 National Institutes of Health/National Cancer Institute Dana-Farber/Harvard Cancer Center
 Site Visit (June 2016)
 Congressionally Directed Medical Research Program Department of Defense Ovarian Cancer
 Research Program Integration Panel FY 16 Pre PreApplication- Chair (June 2016)
 National Institutes of Health/National Cancer Institute Emory Cancer Center Site Visit
 (September 2016)
 National Institutes of Health/National Cancer Institute Extramural Activities PO1 Application
 Review Panel (October 2016)
 Congressionally Directed Medical Research Program Ovarian Cancer Research Program
 Integration Programmatic Review-Chair (2015-2018)
 VA Oncology Panel A Scientific Review Group-Chair (2016-present)
 National Institutes of Health/National Cancer Institute SPORE Review Panel – Panel Chair
 (February 2017)
 National Institutes of Health/National Cancer Institute CTSA Grant Review Panel- Committee
 Member (February 2017)
 California Institute of Regenerative Medicine (CIRM) Board Member (March 2017 –Present)
 National Institutes of Health/National Cancer Institute Extramural Activities PO1 Application
 Review Panel (June 2017)
 National Institutes of Health/National Institute on Minority Health and Health Disparities
 Special Emphasis Panel U54 Application Review Panel Member (July 2017)
 Veterans Administration ONCA D Grant Review Meeting Panel Member (November 2017)
 National Institutes of Health/National Cancer Institute Program Project PO1 Applications
 Review Panel Chair (February 2018)

OTHER ADVISORY COMMITTEE PARTICIPATION:

Medical Research Council of Canada (External Reviewer) (1998, 2000)
 Canadian Institutes of Health Research (CIHR) Reviewer (March 2004)
 Florida Department of Health Reviewer (2004)
 Florida Department of Health Reviewer (Summer 2005)
 Sharon Bassett Breast Cancer Foundation Advisory Board Member (2007 - 2011)
 Susan G. Komen for the Cure Program: *Promise Award* reviewer (2009)
 Neurological Foundation of New Zealand reviewer (May 2009)
 National Institute for Health Research (NIHR), United Kingdom, reviewer for Clinician Scientist
 Award for Applied Clinical Research Program (September 2009)
 Susan G. Komen for the Cure Program: Clinical Research Postdoctoral Fellowship review (2010)
 City of Hope Comprehensive Cancer Center External Advisory Board Member (2010 – 2011)
 Susan G. Komen for the Cure Program: *Postdoctoral Clinical Investigator Fellowship Award*
 member (2010)
 Ohio Cancer Research Associates Reviewer (May 2010)
 Yale University Cancer Center External Scientific Advisor (2013-present)
 University of Texas San Antonio Cancer Center – External Scientific Program Reviewer (2013-
 Present)
 University of Arizona Tucson Cancer Center External Advisor (2014-present)

University of Wisconsin Madison Cancer Center External Scientific Program Reviewer (2014)
Cedars Sinai Samuel Oschin Comprehensive Cancer Center External Scientific Advisor (2014-present)
University of California Irvine Cancer Center External Advisor (2015)
University of Nebraska Fred and Pamela Buffett Cancer Center External Scientific (2015-present)
Temple University Fox Chase Comprehensive Cancer Center External Scientific Advisor (2016)

ADMINISTRATIVE DUTIES:

City of Hope Dean of Translational Science and External Affairs (2018-present)
City of Hope Government Affairs & Policy Council (2016-present)
City of Hope Department of Continuing Medical Education Faculty Research Forum Meeting Moderator (2015-present)
City of Hope Early Therapeutics and Genomic Tumor Board Meeting Member (2015)
City of Hope GI Disease Team Meeting Member (2015)
City of Hope Shared Resources Steering Committee Meeting (2015-present)
City of Hope Lung Cancer Disease Team Meeting Member (2014- present)
City of Hope GYN Cancer Disease Team Meeting Member (2014-present)
City of Hope Cancer Center Internal Advisory Board Member (2012- present)
City of Hope GU Disease Team Member (2014- present)
City of Hope Beckman Research Institute Academic Promotions Committee Member (2014-2015)
City of Hope Beckman Research Institute Director Search Committee – Chair (2014)
City of Hope Strategic Portfolio Optimization Committee Member (SPOC) (2013-present)
City of Hope – Providence Health & Services Partnership Steering Committee (2013-2014)
City of Hope Clinical Research Group (2013-present)
City of Hope Cancer Center Internal Advisory Board Member (2012- present)
City of Hope CTSA Planning Committee (2012-2014)
Deputy Director of the City of Hope Comprehensive Cancer Center (2012-2018)
Associate Chairman Department of Molecular and Cellular Biology, City of Hope Beckman Research Institute (2012-present)
Co-Leader of City of Hope Comprehensive Cancer Center Women’s Cancers Program (2012-2014)
City of Hope Beckman Research Institute Board of Directors member (2012-present)
Founder and co-Leader of City of Hope Comprehensive Cancer Center Molecular Oncology Program (2011-2014)
City of Hope Women’s Cancers Program Steering Committee member (2011-present)
City of Hope K-12 Fellowship Advisory Board Member (2011-present)
City of Hope Beckman Research Institute Postdoctoral Training Office (PTO) Faculty Advisory Committee member (2013-present)
City of Hope Beckman Research Institute Academic Promotions Committee Alternative Member (2012-2014)
Beckman Research Institute Department of Molecular and Cellular Biology Promotions Committee Chair for Dr. Xiwei Wu (2013)
City of Hope Comprehensive Cancer Center Leadership Committee Chair (2013-present)
Chaired City of Hope *Focus Group* to evaluate the approval process for tissue release (November 2012)
City of Hope Strategy Research Design Team Chair (2012)
Associate Director for Basic Science City of Hope Comprehensive Cancer Center (2011-2012)
City of Hope Comprehensive Cancer Center Leadership Advisory Committee (2011-2013)
City of Hope Beckman Research Institute Promotions Committee member for Dr. John Williams (July 2011)
City of Hope Comprehensive Cancer Center Leadership Committee member (2011-2013)
City of Hope Comprehensive Cancer Center Executive Committee member (2011-present)
City of Hope Beckman Research Institute Council (2011-present)

Founder and co-Leader of Indiana University Simon Cancer Center Breast Cancer Program (2002 -2011)
 Founder and Director of the Indiana Signature for Breast Cancer Research (2010 – 2011)
 Editorial Board Member – *Cancer Research* (2010-present)
 Search committee member for Indiana University Simon Cancer Center Associate Director for Population Science Search (2010)
 Scientific Advisory Council (SAC) for the Indiana University School of Medicine (2009-2011)
 Indiana University CTSI preclinical grant review committee member (2009-2011)
 Editorial Board Member – *Cancer Prevention Research* (2008-present)
In Vivo Therapeutics (IVT) Core advisory committee member Indiana University Simon Cancer Center (2008-2011)
 Co-Founded *ITRAC* (Indiana Translational Research Activity Corporation) at the Indiana University Cancer Center (2006)
 Board of Directors member (Center of Excellence in Women’s Health at Indiana University) (2006-2011)
 Indiana University Institutional American Cancer Society grant review committee member (2006-present)
 Developed the concept and initial implementation of the IUSCC Resource and Skills Inventory (2005-2006)
 Editorial Board Member - *Current Cancer Therapy Reviews* (2004-present)
 Associate Editor, *Cancer Research* (May 2003-2010)
 Indiana University Simon Cancer Center Translational Initiative Steering Committee (2005-2006)
 Indiana University Simon Cancer Center Executive Committee (March 2002-2011)
 Indiana University Simon Cancer Center, Co-Leader of Breast Cancer Program (March 2002-2011)
 Indiana University Simon Cancer Center, Director Vera Bradley Breast Cancer Research Program (June 2003 – 2011)
 Indiana University School of Medicine Leadership Co-Director for the Center of Excellence in Women’s Health (May 2004-2008).
 Indiana University Cancer Hospital Genetic Markers/Cancer Screening Program Team Member (2003 - 2004)
 Indiana University School of Medicine Research Core Working Group (October 2002-January 2004)
 University of Maryland School of Medicine, Appointments, Promotions and Tenure Committee Member (September 2001 – January 2002)
 Women’s Health Research Group of the Department of Epidemiology & Preventive Medicine, University of Maryland School of Medicine, Leadership Group Member (2000-2002)
 Institutional Research Planning Advisory Committee, University of Maryland School of Medicine, Member (1999 - January 2002)
 Faculty Mentor Committee, University of Maryland School of Medicine, Member (1999 - January 2002)
 University of Maryland School of Medicine, Member of the Search Committee for Chair of the Department of Neurology (2001)
 University of Maryland School of Medicine Strategic Plan 2000-2005 Steering Committee Member (2000)
 University of Maryland School of Medicine, Member of the *Host Defenses and Infectious Diseases Curriculum* Committee (1999)
 University of Maryland School of Medicine, Member of the *Institutional Self-Study Task Force* (1999)
 University of Maryland School of Medicine, Member of Search Committee for Associate Dean for Research and Graduate Studies (1999)
 Chairman, University of Maryland, Baltimore Recombinant DNA Committee (1998-1999)
 Chairman, University of Maryland Marlene and Stewart Greenebaum Cancer Center Research Award Review Committee (1995-1998)

University of Maryland School of Medicine Graduate Research Award Allocation Advisory Committee Member (1996-1998)
University of Maryland School of Medicine Admissions Committee Member (1992-1998)
University of Maryland School of Medicine Search Committee Member for Associate Dean of Medical Education (1997)
University of Maryland at Baltimore Search Committee Member for Director of the Office of Technology Development (1996)
University of Maryland Cancer Center Search Committee for Chief of Hematology (1996)
University of Maryland School of Medicine Department of OB/GYN Review Committee (1993)
University of Maryland Cancer Center Strategic Planning Group (1993)
University of Maryland Cancer Center Basic Research Planning Group (1993)
Created and developed the Department of Pharmacology Pre-Doctoral *Oncopharmacology Track Curriculum* (1993)

SERVICE TO THE ACADEMIC AND NON-ACADEMIC COMMUNITIES:

Brainstorm Health Conference, Panel Member (March 2018)
Women's Professional Development Presentation (February 2018)
Math and Science Academy Presentation, Monrovia High School (October 2017)
University of Illinois Cancer Center Presentation (October 2017)
Bosom Buddies Event (October 2017)
University of Oklahoma Presentation (September 2017)
Aspen Ideas Festival, Roundtable Chair (June 2017)
Advanced Therapeutics Program Meeting Presentation "*PCNA and DNA Repair*" (April 2017)
SPIE Panel Session Member "*Repurposing Space Sensors and Technologies for Healthcare and Medical Applications*" (April 2017)
University of Arizona Presentation (April 2017)
City of Hope – Speaker at the Learning and Personal Development Week (*What is a Cancer Center and Why Do They Matter?*) (January 2017)
University of Arizona Presentation (November 2016)
City of Hope – Speaker at the Learning and Personal Development Week (*Adventures in Translational Research*) (January 2016)
University of Nebraska Medical Center Eppley Institute Seminar Series Presentation (*New Molecular Target for Neuroblastoma Therapy*) (September 2015)
Inland California Translational Consortium- Biomedical Engineering, Economics and Physical Sciences (BEEPS) Program Meeting- Chair (June 2015)
University of Michigan Karmanos Cancer Institute Grand Rounds Presentation (*New Molecular Target for Neuroblastoma Therapy*) (May 2015)
City of Hope - Speaker at Learning and Personal Development Week (*The Future of Translational Research*) (January 2015)
City of Hope - Speaker at Learning and Personal Development Week (*The Future of Translational Research*) (January 2014)
City of Hope *Leadership Update* presentation (October 2013)
Speaker at the *Inaugural City of Hope Golf Tournament* in Richmond, VA (August 2013)
Speaker at the City of Hope Ambassador Leadership Council (ALC) Convention (June 2013)
Speaker at City of Hope Insurance Group outreach meeting, Tampa, FL (May 2013)
Presented a City of Hope Learning and Personal Development Week course on Translational Research (January 2012)
City of Hope Board of Directors meeting presentation on *Small Molecules That Target a Cancer Associated Protein* (November 2011)
2011 International Women's Day Event, Fort Wayne, IN (March 2011)
Keynote speaker at the Making Great *Strides* event for American Cancer Society, Pittsfield, MA (October 2010)
Speaker on *The Science Behind the Business of Personalized Medicine* panel for the *Personal Medicine Conference* held in Indianapolis, IN (May 2010)

Promotion evaluator for a faculty member at the Robert Stempel College of Public Health and Social Work at Florida International University (May 2010)

Speaker at the *Alliance of Business Leaders* meeting, Indianapolis, IN (May 2010)

Keynote speaker delivering a talk entitled *A New Way Forward* for the Middle Way House Spring Luncheon to raise funds for a women's shelter in Bloomington, IN, (April 2010)

Guest Emcee for the *Art for Beds Annual Gala*, an annual fund raiser that benefits the Gennesaret Free Clinics (April 2010)

Panelist for *Empowering Women: A Conversation with Indiana Women of Achievement* at the Ball State University, Muncie, IN (March 2010)

Grant Reviewer for the Indiana University CTSI program (RISC) (March 2010)

Moderator of *Women's Week – Panel Discussion – A Conversation with Indiana Women of Achievement* event Ball State University, IN (March 2010)

Panel participant at faculty educational seminars, Indiana University and Clarian Health Ventures (February 2010)

Panelist for *Faculty Entrepreneur Success Stories* at the *Venture Capital and Company Formation Conference*, Indianapolis, IN (February 2010)

Keynote speaker at the *Nontraditional Employment for Women Workshop* (October 2009)

Panelist for *Life Sciences Day* at the Kelley School of Business, Indianapolis, IN (April 2009)

Promotion evaluator for a faculty member at University of North Texas Health Science Center (February 2009)

Speaker at the *2009 Society of Women Engineers Conference* (February 2009)

Keynote speaker at the *District Leadership Conference* of the Business Professionals of America (January 2009)

Panelist for *Basics to Bench to Bedside... “Emerging Trends and New Developments in Cancer Discovery, Diagnosis and Treatment”* Cancer-Oncology Summit (December 2008)

Guest Speaker-Undergraduate Summer Biomedical Research Program, Indiana University School of Medicine (June 2008)

Grant Reviewer for the Austrian Science Fund Division of Biology and Medicine (November 2007)

Guest speaker at *AWARE for All – Indiana*, Indianapolis, IN (November 2007)

Guest speaker at the *Indiana Life Sciences Forum*, Indianapolis, IN (October 2007)

Guest speaker at the ACS's *Evening to Remember*, Indianapolis, IN (September 2007)

Guest speaker at *Innovation 2007*, Indianapolis Convention Center, IN (June 2007)

Guest speaker at the *Women's Faculty and Staff* meeting, Bloomington, IN (May 2007)

Guest speaker at the *Tapestry of Faith Breast Cancer Event*, Tulsa, OK (April 2007)

Keynote speaker at *President Herbert's STEM Initiative Summit*, Indianapolis, IN (April 2007)

Panel Participant at the *University Club Annual Meeting*, Bloomington, IN (March 2007)

Guest speaker at the *Indiana Breast Cancer Alliance* meeting, Indianapolis, IN (February 2007)

Guest speaker at *Nancy's Retreat*, Puerto Viarta, MX (November 2006)

Guest speaker at the *Colloquium for Women of Indiana University*, Bloomington, IN (November 2006)

Guest speaker at *AWARE for All - Clinical Research Education & Awareness Day* (September 2006)

Guest speaker at the *Vera Bradley Tickled Pink* breast cancer awareness event, Fort Wayne IN (October 2006)

Guest speaker the Indiana University 2006 State Men Legislators' Event (July 2006)

Key speaker the Indiana University 2006 State Women Legislators' Event entitled *Dr. Linda Malkas and Momma Mia!* (April 2006)

Participant in the *Indiana University Life Sciences Exhibit and Reception* at the Indiana State House in Indianapolis (March 2006).

Guest speaker at the Breast Cancer Survivors Group, Champaign, IL (October 2005)

Volunteer at the Black and Minority Health Fair held in conjunction with the Indiana Black Expo (July 2005)

Member of the Executive Committee for “*Mary Ellen's Bank*” at Indiana University (2005)

Guest speaker at the *Vera Bradley Tickled Pink* breast cancer awareness event, Fort Wayne IN (September 2005)

Lecturer in the Indiana University School of Medicine *Mini-Med School Series* (March 2005)
Promotion evaluator for Dr. Yehia Mechref at Indiana University Bloomington (February 2005)
Participated in the *Pack the Hall* Event to support breast cancer research, Bloomington, IN
(February 2005)
Participated in the *Advancing Indiana/Life Sciences Initiative* and featured in the *Human
Genome Project* display at the Indiana State Museum (January 2005)
Medical Advisory Chair for the 10th Annual *Y-Me Fashion Show* (October 2004)
Keynote speaker for the Women's Health Conference, Notre Dame University, South Bend, IN
(October 2004)
Guest speaker at the *Bridge to a Cure* event, Indianapolis, IN (October 2004)
Guest speaker at the Indiana University Alumni Luncheon, Chicago, IL (October 2004)
Guest speaker at the *Making Strides Against Breast Cancer Kick-Off Breakfast*, Indianapolis,
IN (August 2004)
Guest speaker at the Breast Cancer Survivors Group, Champaign, IL (August 2004)
Keynote speaker for the Women's Health Conference, Bloomington, IN (April 2004)
Guest speaker at the Indiana University Nursing Alumni Association, IU East Campus
(Richmond) (March 2004)
Participated in the *Pack the Hall* Event to support breast cancer research, Bloomington, IN
(January 2004)
Guest speaker at the Indiana University Alumni Association Executive Council meeting
(December 2003)
Guest speaker at the *Women and Cancer: Hope for Tomorrow* program hosted by the Parkview
Hospital in Fort Wayne, IN (October 2003)
Keynote speaker for the Women and Hi Tech Leading Light Awards Dinner (September 2003)
Presentation to the Women's Fund OPTIONS group (August 2003)
Presented to Indiana University Cancer Center Communications and Outreach Forum (July
2003)
Presenter, Indiana University Distinguished Alumni Service Award Ceremony (June 2003)
Presentation to the Indiana University Spring Women Faculty Luncheon (May 2003)
Organizer of the 1st Annual Indiana University Breast Cancer Research Retreat (May 2003)
Peachey Travel Award Evaluation Panel Member (April 2003-present)
Presentation to the Kappa Kappa Sigma Sorority Convention (April 2003)
Promotion evaluator for Dr. Paula Vertino at Emory University (December 2002)
Guest speaker at the Methodist Hospital Women's Health Symposium (October 2002)
Participant in Priorities in Medicine at Indiana University 2002 (October 2002)
Guest speaker at the Indiana University School of Medicine Dean's Council Dinner (October
2002)
Guest speaker at the Indiana University Cancer Center Board of Development meeting
(September 2002)
The Science Advisory Board (April 2002-present)
Lecturer in the Indiana University School of Medicine *Mini-Med School Series* (March 2002)
Panel participant and presenter at the *4th Annual Insights: A Colloquium for Women at IUPUI*
(March 2002)
1st Annual University of Maryland Women's Health Research Poster Day Judge (2001)
Invited speaker at the University of Maryland Baltimore County College Science Club meeting
(2000)
Mentor for Maryvale High School Student, Dana Olson (1999)
University of Maryland, Baltimore, Internal Reviewer of Pews Scholars Program Applications
for selection of a candidate for the National competition (1999)
Invited speaker at the University of Maryland Baltimore Board of Visitors meeting (October
1999)
FASEB Congressional Liaison Committee, Member (1999-present)
University of Maryland School of Medicine, Women's Health Research Group of the Department
of Epidemiology & Preventive Medicine grant reviewer (1999, 2000)
Arkansas Science & Technology Authority, grant reviewer (1999)

University of Maryland, Baltimore, Member of the Senior Faculty Group meeting with the NIH Site Review Team for the Molecular and Cellular Biology Program Training Grant application (1998)
American Cancer Society Institutional Research Grant Review Committee (1998-present)
Panel Member for Ethics Workshop, UMB Graduate School Orientation (1998-present)
University of Maryland, Baltimore, Internal Reviewer of Searle Scholarship Applications for selection of a candidate for the National competition (1997)
Department of Pharmacology Distinguished Seminars Committee Member (1997)
Invited speaker at Maryvale Preparatory High School - described science as a career (1997).
University of Maryland Marlene and Stewart Greenebaum Cancer Center Breast Cancer Program Faculty Search Committee (1995, 1997)
University of Maryland School of Medicine Council (faculty representative, 1995-1997)
External Thesis Examiner for the Division of Experimental Medicine at McGill University, Montreal, Canada (1994, 1996, 1997, 1998, 2000)
University of Maryland Cancer Center Search Committee for Chief of Hematology (1996)
University of Maryland Cancer Center Robert Shapiro Distinguished Research Award and Lectureship Committee (1996)
Department of Pharmacology Promotions Committee Member for Drs. Patson Nhamburo and Robert Bulliet (1996)
University of Maryland Cancer Center Search Committee for the Deputy Director for Cell and Molecular Biology, Member (1996)
Co-Chairman Maryland Designated Research Initiative Fund Grant Study Section (1995, 1996)
Department of Pharmacology Adjunct Appointment Committee for Dr. Alfred Maelicke (1995)
Program Committee Member for the John C. Krantz, Jr., Lecture in Pharmacology (1992, 1996)
American Cancer Society/Maryland Cancer Biology Program Grant Reviewer (1993, 1994)
Department of Pharmacology Secondary Appointment Committee Member for Dr. Ernest Borden, Director of the University of Maryland Cancer Center (1994)
Maryland Designated Research Initiative Fund Grant Application Reviewer (1990, 1992-1994)
Maryland Department of Economic and Employment Scientific Reviewer for the Challenge Investment Program in Biotechnology (1992-1993)
University of Maryland Cancer Center Research Seminar Series Program Committee Member (1994-1996)
University of Maryland School of Medicine Department of Pharmacology and Experimental Therapeutics Predoctoral Student Admissions Committee (1993-1996)
University of Maryland Molecular and Cellular Biology Program Distinguished Speakers Seminar Committee Member (1992-1996)
University of Maryland School of Medicine Department of Pharmacology and Experimental Therapeutics Graduate Program Review Committee Member (1993)
Maryland Science Center/Maryland Science Week Visiting Guest Research Scientist (1993)
University of Maryland Faculty Judge for the Medical Students Research Day (1992)
University of Maryland Faculty Judge for the Graduate Student Research Day (1992)

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

American Society for Biochemistry and Molecular Biology
American Association for Cancer Research
American Chemical Society
Women in Cancer Research
Sigma Delta Epsilon-Graduate Women in Science
The Association for Women in Science

REVIEWER FOR JOURNALS:

Current Cancer Therapy Reviews, Biochemistry, Cancer Research, Cancer Chemotherapy and Pharmacology, DNA and Cell Biology, Journal of Pharmacology and Experimental Therapeutics, Gene, Nucleic Acids Research, Breast Cancer Research and Treatment, Journal of Neurosurgery, BioTechniques, Environmental Research, Clinical Cancer Research, Nutrition and Cancer, European Journal of Biochemistry, Journal of Cell Biology, Journal of Cellular Biochemistry,

Electrophoresis, Journal of Cell Science, Journal of Molecular Biology, Experimental Cell Science, Oncogene, Laboratory Investigation, Journal of Biological Chemistry, Electrophoresis, Molecular Pharmacology, British Journal of Pharmacology, Cancer Genomics and Precision Oncology, PLOS ONE, Journal of Clinical Oncology, Proteomics, Journal of Clinical Oncology, Associate Editor Journal of Cellular Physiology

PARTICIPATION IN MEETINGS AND WORKSHOPS:

- (1981) Annual Cell Culture Symposium, *Viruses as Probes for Differentiated Cell Functions*, Hunter College of the City University of New York.
- (1982) Cold Spring Harbor DNA Tumor Virus Meeting on *SV40, Polyoma and Adenoviruses*.
- (1986) American Society of Biological Chemists Meeting in Washington, D.C.
- (1986) Gordon Research Conference on *Animal Cells and Viruses* in Tilden, NH.
- (1986) Cold Spring Harbor DNA Tumor Virus Meeting on *SV40, Polyoma and Adenoviruses*.
- (1987) *Protein Structural Analysis: Theory, Practice, and Application* Workshop at the Waksman Institute of Microbiology of the State University of New Jersey.
- (1987) *The Histopathobiology of Cancer* workshop organized by the National Cancer Institute.
- (1987) *Eukaryotic DNA Replication Symposium* held at Cold Spring Harbor Laboratories.
- (1987) American Society for Microbiology meeting on *DNA Replication and Mutagenesis* at Marco Island, FL.
- (1988) 14th International Congress of Biochemistry in Prague, Czechoslovakia.
- (1989) Joint meeting of American Society for Biochemistry and Molecular Biology and The American Society for Cell Biology at San Francisco, CA.
- (1989) UCLA Symposia on *Molecular Mechanisms in DNA Replication and Recombination*, Keystone, CO.
- (1991) Fifth Annual Symposium of The Protein Society, Baltimore, MD.
- (1991) *Eukaryotic DNA Replication* symposium held at Cold Spring Harbor Laboratories.
- (1992) UCLA Symposia on *Molecular Mechanisms in DNA Replication and Recombination*, Taos, NM.
- (1992) American Association of Cancer Research meeting held in San Diego, CA.
- (1992) McGill University Conference on *Regulation of Eukaryotic DNA Replication*, held in Montreal, Quebec, Canada.
- (1993) Gordon Research Conference on *Enzyme Organization and Cell Function*, CA.
- (1993) American Association of Cancer Research meeting held in Orlando, FL.
- (1993) *Eukaryotic DNA Replication Symposium* held at Cold Spring Harbor Laboratories.
- (1994) American Association of Cancer Research meeting held in San Francisco, CA.
- (1994) *The Cell Cycle Symposium* held at Cold Spring Harbor Laboratories.
- (1994) American Society of Biochemistry and Molecular Biology Meeting held in Washington, D.C.
- (1994) McGill University Conference on *Regulation of Eukaryotic DNA Replication*, held in Montreal, Quebec, Canada.
- (1995) Gordon Research Conference on *Enzyme Organization and Cell Function*, CA.
- (1996) American Association of Cancer Research meeting held in Washington, D.C.
- (1996) McGill University Conference on *Regulation of Eukaryotic DNA Replication*, held in Montreal, Quebec, Canada.
- (1996) American Association of Cancer Research meeting held in San Diego, CA.
- (1997) Department of Defense Breast Cancer Research Program (*Era of Hope*) Meeting held in Washington, D.C.
- (1997) *20th Annual San Antonio Breast Cancer Symposium* held in San Antonio, TX.
- (1998) Breast Cancer Think Tank 8 meeting held in Tobago, British West Indies.
- (1998) American Association of Cancer Research annual meeting held in New Orleans, LA.
- (1998) *Drug Development for the 21st Century: Meeting the Challenge of Modern Medicine*, Rio de Janeiro, Brazil.
- (1998) National Cancer Institute *First Annual Experimental Therapeutics of Human Cancer Meeting* held in Fredrick, MD.
- (1998) McGill University Conference on *Regulation of Eukaryotic DNA Replication* held in Montreal, Quebec, Canada.

- (1998) *21st Annual San Antonio Breast Cancer Symposium* held in San Antonio, TX.
- (1999) CSR/NIGMS/NCI/NIA Workshop on *Chromatin, Transcription and DNA Replication*, held in Bethesda, Maryland.
- (1999) *Annual Meeting of The Cell Proliferation Society*, held in Greenbelt, Maryland.
- (1999) American Association of Cancer Research meeting held in Philadelphia, PA.
- (1999) *Eukaryotic DNA Replication Symposium* at Cold Spring Harbor Laboratories.
- (1999) Cambridge Healthtech Institute meeting on *Disease Biomarkers: Genetic and Proteomic Approaches* held in Baltimore, Maryland.
- (1999) BioCapital Connection 2000 Group meeting held in Bethesda, Maryland.
- (2000) American Association of Cancer Research meeting held in San Francisco, CA.
- (2000) Department of Defense Breast Cancer Program (*Era of Hope*) Meeting held in Atlanta, GA.
- (2000) NCI-EORTC meeting *From Discovery to Clinical Practice: Diagnostics Innovation, Implementation, and Evaluation* held in Denmark.
- (2000) *2nd Tumor Markers Conference* held in Santa Barbara, California.
- (2000) American Association of Cancer Research annual meeting held in New Orleans, LA.
- (2001) McGill University Conference on *Regulation of Eukaryotic DNA Replication* held in Montreal, Quebec, Canada.
- (2001) International Institute of Anticancer Research Conference on *New Anticancer Agents* held in Athens, Greece.
- (2001) FASEB Summer Research Conference on *Nuclear Structure and Cancer* held at the Vermont Academy in Saxtons River, Vermont.
- (2002) The Amelia Project: Giving Wings to Research meeting, held in Indianapolis, IN.
- (2002) American Association of Cancer Research annual meeting held in San Francisco, CA.
- (2002) INGEN Proteomics Symposium, Indianapolis, IN
- (2002) *25th Annual San Antonio Breast Cancer Symposium* held in San Antonio, TX.
- (2003) The Amelia Project: Giving Wings to Research meeting, held in Indianapolis, IN.
- (2003) 1st Annual Indiana University Breast Cancer Research Retreat, in Indianapolis, IN.
- (2003) American Association of Cancer Research annual meeting to be held Washington, D.C.
- (2003) NCI Early Detection Research Network meeting held in Pittsburgh, PA.
- (2004) The Amelia Project: Giving Wings to Research meeting, held in Indianapolis, IN.
- (2004) American Association of Cancer Research annual meeting held in Orlando Florida.
- (2005) FASEB Summer Research Conference on *Nuclear Structure and Cancer* held at the Vermont Academy in Saxtons River, Vermont.
- (2006) BIO06, held in Chicago, IL
- (2006) *29th Annual San Antonio Breast Cancer Symposium* held in San Antonio, TX.
- (2007) American Association of Cancer Research annual meeting held in Los Angeles, CA.
- (2007) 5th Annual Congress of International Drug Discovery Science and Technology held in China November 2007
- (2009) The Amelia Project: Giving Wings to Research meeting, held in Indianapolis, IN.
- (2009) American Association of Cancer Research annual meeting held in Denver, CO.
- (2009) FASEB Summer Research Conference on *Nuclear Structure and Cancer* held at the Vermont Academy in Saxtons River, Vermont.
- (2010) American Association of Cancer Research annual meeting held in Washington, DC.
- (2012) American Association of Cancer Research annual meeting
- (2013) American Association of Cancer Research annual meeting held in Washington, DC.
- (2013) American Association of Cancer Institutes annual meeting held in Washington, DC.
- (2014) Brinkenhoff DNA Repair Symposium held in September 2014
- (2015) 2nd Annual Gayle Brinkenhoff Breast Cancer Symposium held in October 2015
- (2015) Association of American Cancer Institutes and Cancer Center Administrators Forum Annual Meeting
- (2016) 3rd Annual Gayle Brinkenhoff Breast Cancer Symposium held in October 2016
- (2017) 4th Annual Gayle Brinkenhoff Breast Cancer Symposium held in November 2017
- (2018) 5th Annual Gayle Brinkenhoff Breast Cancer Symposium held in October 2018

INVITED SEMINARS:

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to the Wayne State University Medical School, Department of Biochemistry (November 1988).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to the University of Maryland School of Medicine, Department of Anatomy (January 1989).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to the Albany Medical College, Department of Microbiology (January 1989).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to the Medical College of Virginia, Department of Radiology (February 1989).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to the University of Chicago (March 1989).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to the Cornell Veterinary School, Department of Pathology (April 1989).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to the University of South Florida School of Medicine, Department of Biochemistry (April 1989).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to the Tufts University School of Medicine, Department of Biochemistry (May 1989).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to the Worcester Foundation for Experimental Biology (June 1989).

Human Cell DNA Replication, presented to the University of Maryland Cancer Center (March 1991).

A Multiprotein Complex Mediates SV40 DNA Replication *In Vitro*, presented to the UMDNJ-New Jersey Medical School, Department of Microbiology and Molecular Genetics, Newark, NJ (May 1991).

Human Cell DNA Replication Is Mediated By A Multiprotein Complex, presented to the UMAB School of Medicine M.D./Ph.D. Program (December, 1991).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to the University of Maryland Cancer Center Molecular Biology Group (April 1992).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to the Ohio State University, Department of Radiology (May 1992).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*: Implications For Understanding Antineoplastic Drug Action, presented to the University of Maryland School of Pharmacy, Dept. of Pharmacology and Toxicology (December 1992).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to Allegany College, Dept. of Biology, Meadville, PA (April 1993).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*: Implications For Understanding Antineoplastic Drug Action, presented in the Neoplasia Seminar Series, University of Maryland School of Medicine (April 1993).

A Novel *In Vitro* Model for the Evaluation of Anticancer Drugs, presented to the Short Term Research Training Program for Medical Students, University of Maryland School of Medicine (July 1993).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to the Johns-Hopkins Oncology Center, Baltimore, MD (December 1993).

A Multiprotein Complex Mediates Mammalian DNA Replication *In Vitro*, presented to the McGill University Cancer Center, Montreal, Quebec, Canada (December 1993).

Mammalian DNA Replication, presented to the Center for Advanced Research in Biotechnology, (March 1994)

A Multiprotein Complex Mediates Mammalian DNA Replication, presented to the Wright State University, Ohio (October 1994).

A Multiprotein Complex Mediates Mammalian DNA Replication, presented to the University of Massachusetts Medical School, Worcester, MA (January 1995).

A Multiprotein Complex Mediates Mammalian DNA Replication, presented to the University of Maryland School of Medicine Department of Microbiology and Immunology (May 1995).

Get Switched Onto Science, presented to Taconic High School in Pittsfield, MA (May 1995).

The Breast Cell DNA Synthesome, presented to George Washington University Medical School, Washington, DC (April, 1996).

The Breast Cell DNA Synthesome, presented to Georgetown University Medical School, Washington, DC (September, 1996).

The Breast Cell DNA Synthesome, presented to University of Maryland Cancer Center Director's Conference, Baltimore, MD (October, 1996).

The Mammalian DNA Synthesome: A Physiologically Relevant Model For Evaluating Anticancer Drug Action, presented to Wyeth Ayerst Research, Princeton, NJ (December 1996).

The Breast Cell DNA Synthesome, presented to Georgetown University Oncology Center Breast Cancer SPORE group, Washington, DC (December 1996).

The Human Breast Cell DNA Synthesome: Alteration of Its Structure and Function in Malignancy, presented to MatriTech, Inc., Newton, Massachusetts (April 1997).

The Human Cell DNA Synthesome: Alteration of Its Structure and Function in Malignancy, presented to the Johns-Hopkins Oncology Center, Baltimore, MD (September 1997).

The Human Cell DNA Synthesome: Alteration of Its Structure and Function in Malignancy, presented to the University of Maryland Department of Pathology (September 1997).

The Human Cell DNA Synthesome: Alteration of Its Structure and Function in Malignancy, presented to University of Texas MD Anderson Cancer Center, Houston, TX (September 1997).

The Human Cell DNA Synthesome: Alteration of Its Structure and Function in Malignancy, presented to George Washington University Medical School, Washington, D.C. (October 1997).

The Human Cell DNA Synthesome: Alteration of Its Structure and Function in Malignancy, presented to University of Maryland Department of Biochemistry and Molecular Biology (December 1997).

The Breast Cell DNA Synthesome: Alteration of Its Structure and Function in Malignancy, presented to The Thomas Jefferson School of Medicine, Department of Radiation Oncology, Philadelphia, PA (April, 1998).

The Mammalian DNA Synthesome: A Physiologically Relevant Model For Evaluating Anticancer Drug Action, presented to the National Cancer Institute Laboratory of Molecular Pharmacology (April, 1998).

The Mammalian DNA Synthesome: A Physiologically Relevant Model For Evaluating Anticancer Drug Action, presented to *The DNA Polymerase Club* at Yale University School of Medicine (May, 1998).

The Error-Prone DNA Replication Apparatus of Malignant Human Cells, presented to the Penn State University School of Medicine, Hershey, PA (July 1998).

The DNA Synthesome: Alteration of Its Structure and Function in Malignancy, presented to The National Institutes of Health/National Cancer Institute Extramural Program, Bethesda, MD (October, 1998).

Structure/Function Analysis of the Mutagenic DNA Replication Apparatus of Breast Cancer Cells, presented to The Uniform Services University of the Health Sciences, Department of Biochemistry and Molecular Biology, Bethesda, MD (October, 1998).

Structure/Function Analysis of the Mutagenic DNA Replication Apparatus of Breast Cancer Cells, presented to the Los Alamos National Laboratory, Los Alamos, New Mexico (March 1999).

Structure/Function Analysis of the Mutagenic DNA Replication Apparatus of Breast Cancer Cells, presented to Labcorp, Research Triangle, North Carolina (October 1999).

Structure/Function Analysis of the Mutagenic DNA Replication Apparatus of Breast Cancer Cells, presented to Diagnostic Products Corporation, Los Angeles, CA (January 2000).

Structure/Function Analysis of the Mutagenic DNA Replication Apparatus of Breast Cancer Cells, presented to University of Maryland College Park (February 2000).

Structure/Function Analysis of the Mutagenic DNA Replication Apparatus of Breast Cancer Cells, presented to the McGill Cancer Centre, Montreal, Quebec, Canada (April 2000).

Functional Genomics Underlying the Mutagenic Breast Cancer Cell DNA Replication Complex, presented to the Los Alamos National Laboratory, Los Alamos, New Mexico (August 2000).

Structure/Function Analysis of the Mutagenic Breast Cancer Cell DNA Replication Apparatus, presented to the Indiana University Cancer Center, Indianapolis, Indiana (January 2001).

Functional and Structural Alterations of the Cancer Cell DNA Replication Apparatus, presented to the Indiana University School of Medicine, Department of Biochemistry, Indianapolis, Indiana (April 2001).

The Mutagenic DNA Replication Apparatus of Malignant Human Cells, presented to the University of New Mexico School of Medicine, Albuquerque, NM (September 2001).

Proteomics and Breast Cancer, presented to the Central Indiana Breast and Cervical Cancer Coalition, Indianapolis, IN (July 2002).

DNA Replication Meets Cancer, presented to the Indiana University Bloomington, Department of Medical Sciences, Bloomington, IN (September 2002)

DNA Replication Meets Cancer, presented to the Purdue University School of Pharmacy, Department of Pharmaceutical Sciences, Lafayette, IN (October 2002)

DNA Replication Meets Cancer, presented to Wright State University, Ohio (February 2004)

DNA Replication Meets Cancer, presented to the DePauw University IN (March 2004)

DNA Replication Meets Cancer, presented to the University of Arizona Cancer Center, Tucson, AZ (December 2004)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented to the Second Military Medical University, Shanghai, China (September 2005)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented to the Second Military Medical University, Chongqing, China (September 2005)

Cancer Cell DNA Replication: Mining for Biomarker and Therapeutic Discovery, presented to Purdue University, Department of Basic Medical Sciences, (September 2006)

Cancer Cell DNA Replication: Implications for Biomarker & Therapeutic Discovery, presented to University of Texas, MD Anderson Cancer Center, Department of Gastrointestinal Medical Oncology and Gastrointestinal Cancer Research Program (October 2006)

Cancer Cell DNA Replication: Implications for Biomarker & Therapeutic Discovery, presented to Indiana University Cancer Center Grand Rounds (December 2006)

Cancer Cell DNA Replication: Implications for Biomarker & Therapeutic Discovery, presented to the Fox Chase Cancer Center (March 2007)

Cancer Cell DNA Replication: Implications for Biomarker & Therapeutic Discovery, presented to the University of Missouri School of Medicine, Kansas City, MO (March 2007)

Cancer Cell DNA Replication: Implications for Biomarker & Therapeutic Discovery, presented to University of Texas, MD Anderson Cancer Center Division of Medicine Grand Rounds (July 2007)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented to the University of California Davis Cancer Center (January 2008)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented to the University of South Carolina School of Medicine (January 2008)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented for Grand Rounds at the Karmanos Cancer Center at Wayne State University, Detroit, MI (March 2008)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented to the Northwestern University Medical School Robert H. Lurie Comprehensive Cancer Center (May 2008)

Cancer Biomarker and Molecular Target Discovery, a talk presented to the Third Military Medical University in Chongqing, China (June 2008)

Cancer Biomarker and Molecular Target Discovery, a Grand Rounds talk presented to the Reid Hospital & Health Care Services (July 2008)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented to the Florida International University Department of Environmental and Occupational Health, Robert Stempel School of Public Health (September 2008)

A Basic Scientist's Journey Towards Translation, a Grand Rounds talk presented to the Indiana University Division of Hematology and Oncology (November 2008)

A Basic Scientist's Journey Towards Translation, a Grand Rounds talk presented at the University of New Mexico School of Medicine (February 2009)

A Functional Proteomics Approach to Discover New Cancer Biomarkers, a Grand Rounds talk presented to the Indiana University Visiting Professor Program at St. Mary's Medical Center, Evanston, IN (July 2009)

Development of a Novel Nuclear Protein Isoform as a Cancer Diagnostic and Novel Therapeutic Target, a seminar presented to the Eli Lilly Pharmaceutical Corporation, (October 2009)

Functional Proteomics and Its Applications, a Grand Rounds talk presented at Reid Hospital, Richmond, IN (October 2009)

Translating Breast Cancer Lab Findings to the Patient, a Grand Rounds talk presented at Union Hospital, Terre Haute, IN (October 2009)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented to the Case Western Comprehensive Cancer Center (November 2009)

Development of a Novel Nuclear Protein Isoform as a Cancer Diagnostic and Therapeutic Target, a seminar presented to the University of Kansas Cancer Center, Kansas City, Kansas (January 2010)

Development of a Novel Nuclear Protein Isoform as a Cancer Diagnostic and Therapeutic Target, a seminar presented to the Kansas University Drug Discovery Institute, Lawrence, Kansas (March 2010)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented to the City of Hope Comprehensive Cancer Center, Duarte, CA (April 2010)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented to the City of Hope Comprehensive Cancer Center, Duarte, CA (June 2010)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented to the University of North Texas, Fort Worth, TX (August 2010)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented to the University of Toledo, Toledo, OH (December 2010)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented to the University of Minnesota (November 2011)

Cancer Cell DNA Replication: Implications for Biomarker and Molecular Target Discovery, presented to the Huntington Hospital Medical Group, Pasadena, CA (September 2013)

A Synthetic Lethal Interactor For Cancer Treatment, presented to Cedars-Sinai Medical Center (February 2014)

Using Molecular Vulnerability to Better Treat Cancer, presented to University of Virginia Commonwealth (October 2014)

A Synthetic Lethal Interactor For Cancer Treatment, presented to the Karmanos Cancer Center (May 2015)

A Synthetic Lethal Interactor For Cancer Treatment, presented to the University of Nebraska Eppley Cancer Institute (Fall 2015)

A New Target for Neuroblastoma Treatment Development, presented to the TGen Research Institute, Phoenix, AZ (November 2016)

A New Target for Neuroblastoma Treatment Development, presented to the University of Arizona Tucson Cancer Center (November 2016)

A New Target for Neuroblastoma Treatment Development, presented to the Sanford Burnham Prebys Medical Discovery Institute, La Jolla, CA (December 2016)

A New Target for Cancer Treatment Development, presented to the University of Arizona Medical School, Phoenix, AZ (May 2017)

A New Target for Cancer Treatment Development, presented to the University of Oklahoma Cancer Center, Oklahoma City, OK (September 2017)

A New Target for Cancer Treatment Development, to be presented to the University of Illinois Cancer Center, Chicago, IL (October 2017)

SCIENTIFIC MEETING PRESENTATIONS:

A Multiprotein Complex Mediates Mammalian DNA Replication, platform talk presented at the (1992) McGill University Conference on Regulation of Eukaryotic DNA Replication, held in Montreal, Quebec, Canada.

A Multiprotein Complex Mediates Mammalian DNA Replication, platform talk presented at the (1993) Gordon Research Conference on Enzyme Organization and Cell Function held in Casa Sirena, CA.

Human Cell DNA Replication Is Mediated by a Multiprotein Complex, presented at the American Cancer Society/Maryland Division Board of Directors Meeting held in Annapolis, MD (June 1993).

A Multiprotein Complex Mediates DNA Synthesis In Mammalian Cells, platform talk presented at the Eukaryotic DNA Replication meeting held at the Cold Spring Harbor Laboratory (September 1993).

A DNA Synthesome Isolated from Human Leukemia Cells (April 1996), presented at the American Association for Cancer Research Annual Meeting *DNA Repair Session* in Washington, D.C.

The Mammalian Cell DNA Synthesome a plenary speaker platform talk presented at the (October 1996) McGill University Conference on Regulation of Eukaryotic DNA Replication, held in Montreal, Quebec, Canada.

The Breast Cell DNA Synthesome: Alteration of Its Structure and Function in Malignancy, presented at the Breast Cancer Think Tank 8 meeting (January 1998), Tobago, British West Indies.

A Variety of Human Cancers Exhibit an Altered Form of PCNA, (April 1998) presented at the American Association for Cancer Research Annual Meeting *Carcinogenesis Session*, New Orleans, LA.

The Effect of Camptothecin on DNA Replication Intermediates, (April 1998) presented at the American Association for Cancer Research Annual Meeting *DNA Topoisomerase Poisons: Action and Resistance Session*, New Orleans, LA.

Human Cell DNA Synthesome Associated Polymerases Are Inhibited Differentially by the Antimetabolite 1- β -arabinofuranosylcytosine (Ara-CTP), (April 1998) presented at the American Association for Cancer Research Annual Meeting *Mechanism and Determinants of Antimetabolites Session*, New Orleans, LA.

MCF-7 Breast Cancer Cell DNA Synthesome as a Regulatory Center for Estrogen Induced Cellular Proliferation, (April 1998) presented at the American Association for Cancer Research Annual Meeting *Cell Growth and Apoptosis II: Growth Factors and Signaling Pathways Session*, New Orleans, LA.

Structure/Function Analysis of the Mutagenic DNA Replication Apparatus of Breast Cancer Cells, platform talk presented at the (September 1998) Universidade Federal do Rio de Janeiro symposium on *Drug Development for the 21st Century: Meeting the Challenge of Modern Medicine*, Rio de Janeiro, Brazil.

The DNA Synthesome: Alteration of Its Structure and Function in Malignancy, a plenary speaker platform talk presented at the (October 1998) McGill University Conference on *Regulation of Eukaryotic DNA Replication*, in Montreal, Quebec, Canada.

Cancer Cells Contain an Error-Prone DNA Replication Apparatus, a platform talk presented at the National Institute of Health *Chromatin, Transcription and DNA Replication Workshop* (February 1999), Bethesda, MD.

Structure/Function Analysis of the Mutagenic DNA Replication Apparatus of Breast Cancer Cells, a platform talk presented to *The Cell Proliferation Society Annual Meeting* (March 1999), in Baltimore, MD.

The Human Cell DNA Synthesome Replication Machinery Is Coupled to Mismatch Repair Proteins, a platform talk presented at the Eukaryotic DNA Replication meeting held at the Cold Spring Harbor Laboratory (September 1999).

Cancer-Specific PCNA: A New Biomarker for Breast Cancer, a plenary platform talk presented at the Cambridge Healthtech Institute meeting on *Disease Biomarkers: Genetic and Proteomic Approaches* (November 1999) held in Baltimore, Maryland.

Breakthroughs in Cancer Therapies, presented at the BioCapital Connection 2000 Group Meeting (March 2000) held in Bethesda, Maryland.

Cancer-Specific PCNA: A New Biomarker for Breast Cancer, presented at the 2nd Tumor Markers Conference, sponsored by the UT M.D. Anderson Cancer Center, held in Santa Barbara, California (March 2-6, 2001).

The Role of the Cancer Specific Form of PCNA in Mediating Mutagenic DNA Replication, a plenary platform talk presented at the McGill University Conference on *Regulation of Eukaryotic DNA Replication*, held in St. Sauveur, Quebec, Canada (April 2001).

Cancer-Specific PCNA: A New Biomarker for Breast Cancer a platform talk presented at the International Institute of Anticancer Research Conference on *New Anticancer Agents* held in Athens, Greece (June 9-12, 2001).

Functional and Structural Alterations of the Cancer Cell DNA Replication Apparatus, a plenary platform talk presented at the FASEB Summer Research Conference on “Nuclear Structure and Cancer,” held at the Vermont Academy in Saxtons River, Vermont (August, 2001).

Proteomics and Breast Cancer, a platform talk presented to The Amelia Project: Giving Wings to Research meeting, held in Indianapolis, IN (February 2002).

A Functional Proteomics Approach to Discover New Cancer Biomarkers, a platform talk presented to 1st INGEN Proteomics Symposium, held in Indianapolis, IN (November 2002).

A Functional Proteomics Approach to Discover New Cancer Biomarkers, a platform talk presented to National Cancer Institute Early Detection Research Network (EDRN), held in Pittsburgh, PA (June 2003).

Cancer Cell DNA Replication, a Principal Speaker platform talk presented at the FASEB Summer Research Conference on “Nuclear Structure and Cancer,” held at the Vermont Academy in Saxtons River, Vermont (June, 2005).

Participated in a Panel entitled, “*Virtually Integrated Pharma Companies (VIPCOs)*” at the 2007 Burrill Life Sciences Forum.

A Functional Proteomics Approach to Discover New Cancer Biomarkers, a platform talk presented to the 5th Annual Congress of International Drug Discovery Science and Technology, held in China (November 2007).

A Functional Proteomics Approach to Discover New Cancer Biomarkers, a platform talk presented to the IICR Antitumor Drug Meeting in Shanghai, China (June 2008)

Forging Links Between Academia and Business, presentation made at the *Strategic Collaborations Conference*, Indianapolis, In (May 2009)

A Functional Proteomics Approach to Discover New Cancer Biomarkers, a keynote talk presented at Research Day at the joint VA Medical Center - University of Kansas Medical Center Symposium (June 2008).

A Functional Proteomics Approach to Discover New Cancer Biomarkers, a platform talk presented at the Summit on Onco-Biotechnology: The Future Starts Now. Cancer Prevention, Treatment and Cure at held the Lurie Cancer Center at Northwestern University (July 2008).

A Functional Proteomics Approach to Discover New Cancer Biomarkers, a platform talk presented at the *Symposium on Biomarker Discovery and Systems* (October 2008).

Development of a Novel Nuclear Protein Isoform as a Cancer Diagnostic and Novel Therapeutic Target. A Principal Speaker platform talk presented at the FASEB Summer Research

Conference on “Nuclear Structure and Cancer,” held at the Vermont Academy in Saxtons River, Vermont (June 2009).

Post-translational Modification as a Starting Point for Cancer Biomarker and Therapeutic Target Discovery, a talk presented at the American Association of Cancer Research annual meeting held in Washington, DC (April 2010).

Targeting an isoform of PCNA to promote cancer cell cytotoxicity, a platform talk presented at the DNA Replication and Repair Symposium held in Buffalo, NY (June 2010).

Small Molecules Directed Against PCNA, a talk presented at the Annual City of Hope Phase I Retreat (January 2012)

Development of a Novel Nuclear Protein Isoform as a Cancer Diagnostic and Novel Therapeutic Target. Talk presented at the 1st Annual City of Hope Lung Cancer & Thoracic Program Translational Research Retreat (October 2012)

First-in-class compounds targeting an isoform of PCNA that promote cancer cell cytotoxicity, a platform talk presented at the Biannual Symposium of the International Translational and Regenerative Medicine Center (ITRC) (January 2013)

Using molecular vulnerability to better treat breast cancer. Brinkenhoff Breast Cancer DNA Repair Symposium (September 2014)

Molecular Revolution in Cancer Therapeutics. Multidisciplinary Approaches to Cancer Symposium (September 2018)

New Therapeutic for the Treatment of Breast Cancer. 5th Annual Brinkenhoff Breast Cancer Symposium (October 2018)

PUBLICATIONS:

Refereed Articles

E.F. Baril, **L.H. Malkas**, R.J. Hickey, C.J. Li, J.K. Vishwanatha, and S. Coughlin, A multiprotein DNA polymerase α complex from HeLa cells: Interaction with other proteins in DNA replication. (1988) *Cancer Cells* **6**: 373-384.

J.J. Dermody, K.G. Lawlor, H. Du, B. Wojcik, K.K. Jha, **L.H. Malkas**, R.J. Hickey, E.F. Baril, and H.L. Ozer, Polyomavirus DNA synthesis *in vitro*: Studies with CHO, 3T3, and their tsDNA mutants. (1988) *Cancer Cells* **6**: 95-100.

R.J. Hickey, **L.H. Malkas**, N. Pedersen, C. Li, and E.F. Baril, A multiprotein complex for DNA replication in HeLa cells. (1988) in: DNA Replication and Mutagenesis: pp. 41-54, (Eds. Robb Moses and William Summers) Amer. Soc. Microbiology Publications, Washington, DC.

James J. Dermody, Kenneth G. Lawlor, **Linda Malkas**, Hong Du, Martin Orlian, Brian Wojcik, Krishna K. Jha, and Harvey L. Ozer, Mammalian cell mutants ts in DNA synthesis. (1988) in Current Communications in Molecular Biology: Cell Cycle Control in Eucaryotes: pp. 100-105, Cold Spring Harbor Press.

L.H. Malkas and E.F. Baril, A DNA sequence recognition protein associated with the multiprotein form of DNA polymerase α from HeLa cells-specific binding to the dA/dT tract in the ori region of SV40 DNA. (1989) *Proc. Natl. Acad. Sci. USA* **86**: 70-74.

- L.H. Malkas**, R.J. Hickey, C.J. Li, and E.F. Baril, A 21S enzyme complex from HeLa cells that functions in Simian Virus 40 DNA replication *in vitro*. Isolation, purification and characterization of its physical and catalytic properties. (1990) *Biochemistry* **29**: 6362-6374.
- N. Bachur, F. Yu, R. Johnson, R. Hickey, Y. Wu and **L.H. Malkas**, Helicase Inhibition By Anthracycline Anticancer Agents. (1992) *Molecular Pharmacology* **41**: 993-998.
- N. R. Bachur, R. Johnson, F. Yu, R. Hickey, N. Applegren, and **L.H. Malkas**, Anti-Helicase Action of DNA Binding Anticancer Agents: Relationship to G/C Intercalator Binding. (1993) *Molecular Pharmacology* **44**: 1064-1069.
- Y. Wu, R. Hickey, K. Lawlor, P. Wills, F. Yu, H. Ozer, R. Starr, J. Y. Quan, M. Lee and **L.H. Malkas**, A 17S Multiprotein Form of Murine Cell DNA Polymerase Mediates Polyomavirus DNA Replication In Vitro. (1994) *J. Cellular Biochemistry* **54**: 32-46.
- N.R. Bachur, F. Yu, R. Johnson, R. Hickey and **L.H. Malkas**, Anthracycline Antihelicase Action. (1995) In: Anthracycline Antibiotics: New Analogues, Methods of Delivery, and Mechanisms of Action: pp. 204-221 (American Chemical Society, Washington, DC).
- N. Applegren, R. Hickey, A.M. Kleinschmidt, Q. Zhou, J. Coll, P. Wills, R. Swaby, Y. Wei, J.Y. Quan, M.Y.W.T. Lee and **L.H. Malkas**. Further Characterization of the Human Cell Multiprotein DNA Replication Complex. (1995) *J. Cellular Biochemistry* **59**: 91-107.
- L.H. Malkas** and R. J. Hickey, The Expression, Purification and Characterization of Papovavirus DNA Polymerase. (1996) In: Methods in Enzymology Volume 275: Viral Polymerases and Related Proteins: pp. 133-167 (Academic Press).
- P. Wills, R. Hickey, D. Ross, D. Cuddy, and **L.H. Malkas**, A Novel *In Vitro* Model System for Studying the Action of Ara-C. (1996) *Cancer Chemotherapy and Pharmacology* **38**: 366-372.
- C.M.G. Simbulan, D.S. Rosenthal, H. Hilz, R. Hickey, **L. Malkas**, N. Applegren, Y. Wu, G. Bers, and M.E. Smulson, The Expression of Poly(ADP-ribose) polymerase during differentiation-linked DNA replication reveals that it is a component of the multiprotein DNA replication complex. (1996) *Biochemistry* **35**: 11622-11633.
- T.D. Tom, **L.H. Malkas**, and R.J. Hickey, Identification of multiprotein complexes containing DNA replication factors by native immunoblotting of HeLa cell protein preparations with T-antigen-dependent SV40 DNA replication activity. (1996) *J. Cellular Biochemistry* **63**: 259-267.
- J.M. Coll, R.J. Hickey, Y. Wei and **L.H. Malkas**, The Human Cell Multiprotein DNA Replication Complex (MRC): The Effects of Camptothecin on Its Ability To Support *In Vitro* DNA Synthesis. (1996) *Cancer Chemotherapy and Pharmacology* **39**: 97-102.
- J.M. Coll, J. Weeks Sekowski, R.J. Hickey, L. Schnaper, W. Yue, A. Brodie and **L.H. Malkas**, The human breast cell DNA synthesome: its purification from tumor tissue and cell culture. (1996) *Oncology Research* **8**: 435-447.
- J. W. Sekowski, **L. H. Malkas**, Y. Wei, and R. J. Hickey, Mercuric Ion Inhibits the Activity and Fidelity of the Human Cell DNA Synthesome. (1997) *Toxicology and Applied Pharmacology* **145**: 268-276.
- S. Lin, R.J. Hickey, and **L.H. Malkas**, The Isolation of a DNA Synthesome from Human Leukemia Cells. (1997) *Leukemia Research* **6**: 501-512.
- Hickey, R** and **L Malkas**. Mammalian cell DNA replication. In *Critical Reviews in Eukaryotic Gene Expression* (eds. G. Stein, J. Stein, J. Lian) 1997;7:125-157.

- S. Lin, R. Hickey and **L. Malkas**, The Biochemical Status of the DNA Synthesome Can Distinguish Between Permanent and Temporary Cell Growth Arrest. (1997) *Cell Growth & Differentiation* 8:1359-1369.
- J.M. Coll, R.J. Hickey, E.A. Cronkey, H.-Y., Jiang, L. Schnaper, M.Y.W.T. Lee, L. Uitto, J.E. Syvaaja, **L.H. Malkas**, Mapping Specific Protein-Protein Interactions within the Core Component of the Breast Cell DNA Synthesome. (1997) *Oncology Research* 9: 629-639.
- N.R. Bachur, L. Lun, P.M. Sun, C.M. Trubey, E.E. Elliott, M.J. Egorin, **L. Malkas**, and R. Hickey, Anthracycline Antibiotic Blockade of SV40 T Antigen Helicase Action. (1998) *Biochemical Pharmacology* 55: 1025-1034.
- J.W. Sekowski, **L.H. Malkas**, L. Schnaper, P.E. Bechtel, B.J. Long and R.J. Hickey, Human Breast Cancer Cells Contain an Error-prone DNA Replication Apparatus. (1998) *Cancer Research* 58: 3259-3263.
- P.E. Bechtel, R.J. Hickey, L. Schnaper, J.W. Sekowski, B.J. Long, R. Freund, N. Liu, C. Rodriguez-Valenzuela and **L.H. Malkas**, A Unique Form of Proliferating Cell Nuclear Antigen Is Present in Malignant Breast Cells. (1998) *Cancer Research* 58: 3264-3269.
- H. Jiang, R.J. Hickey, P.E. Bechtel, P.W. Wills, S. Han, T.D. Tom, Y. Wei and **L.H. Malkas**, Whole Gel Eluter Purification of a Functional Multiprotein DNA Replication Complex. (1998) *BioRadiations* 102: 18-20.
- C.M. Simbulan-Rosenthal, D.S. Rosenthal, A. Hamid Boulares, R. Hickey, **L. Malkas**, J. Coll and M.E. Smulson, Regulation of the Expression or Recruitment of Components of the DNA Synthesome by Poly(ADP-Ribose) Polymerase. (1998) *Biochemistry* 37: 9363-9370.
- H. Pospiech, I. Kursula, W. Abdel-Aziz, **L. Malkas**, L. Uitto, M. Kastelli, M. Vihinen-Ranta, S. Eskelinen, and J.E. Syvaaja, A Neutralizing Antibody against Human DNA Polymerase ϵ Inhibits Cellular but Not SV40 DNA Replication. (1999) *Nucleic Acids Research* 27: 3799-3804.
- D. Strumberg, A.A. Pilon, M. Smith, R. Hickey, **L. Malkas**, and Y. Pommier, Conversion of topoisomerase I cleavage complexes on the leading strand of ribosomal DNA into 5'-phosphorylated DNA double-stranded breaks by replication runoff. (2000) *Molecular and Cellular Biology* 20: 3977-3987.
- W. Abdel-Aziz, H.-Y. Jiang, R. J. Hickey, and **L. H. Malkas**, Ara-C Affects Formation of Cancer Cell DNA Synthesome Replication Intermediates. (2000) *Cancer Chemotherapy and Pharmacology* 45: 312-319.
- H.Y. Jiang, R. J. Hickey, W. Abdel-Aziz, and **L. H. Malkas**, Effects of Gemcitabine and Ara-C on *in vitro* DNA Synthesis Mediated by the Human Breast Cell DNA Synthesome. (2000) *Cancer Chemotherapy and Pharmacology* 45: 320-328.
- S. Han, R.J. Hickey, T.D. Tom, P.W. Wills, J.E. Syvaaja and **L.H. Malkas**, Differential Inhibition of the Human Cell DNA Replication Complex-Associated DNA Polymerases by the Antimetabolite 1- β -D-Arabinofuranosylcytosine Triphosphate (ara-CTP). (2000) *Biochemical Pharmacology* 60: 403-411.
- P.W. Wills, R. Hickey, and **L. Malkas**, Ara-C Differentially Affects Multiprotein Forms of Human Cell DNA Polymerase (2000) *Cancer Chemotherapy and Pharmacology* 46: 193-203.

D. Tomic, S. G. Brodie, C. Deng, R. J. Hickey, J. K. Babus, **L. H. Malkas** and J. A. Flaws, Smad 3 May Regulate Follicular Growth in the Mouse Ovary. (2002) *Biology of Reproduction* 66: 917-923.

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INVENTIONS:

Dr. Linda H. Malkas holds **22** national and international patents

BIOTECH FOUNDING:

Founder of RLL (USA), LLC. A California based start-up company formed to translate laboratory findings into a new generation of anti-cancer therapeutic products (incorporated in Delaware in 2013). RLL, LLC was awarded a \$1.0 million investment to perform animal toxicity testing studies - depending on outcome an additional \$2.0 million will be awarded to perform Phase I studies in humans.

Founder of RLL (China-Beijing), LLC. A California base start-up company formed to translate laboratory findings into a new generation of anti-cancer therapeutic products (incorporated in Delaware in 2013) to develop analogs of AOH1996 and AOH1160.

Founder of RLL (China- Chingdao), LLC. A California base start-up company formed to translate laboratory findings into a new generation of anti-cancer therapeutic products (incorporated in Delaware in 2013) to synthesize AOH1996 and perform animal and Phase I studies in humans.

Founder of CS-Keys, Inc. a biotech start-up company in Indianapolis, IN (incorporated in 2005) to translate laboratory findings into the development of a new generation of cancer diagnostics.

CS-Keys, Inc. received from the *Biocrossroads Fund* \$285,000 in seed money (June 2006) to facilitate validation studies for a diagnostic tool that is under development.

CS-Keys, Inc. received seed money from the *Triathlon Medical Ventures* (Ohio) in an amount similar to that of the *Biocrossroads Fund* (July 2006) to facilitate validation studies for a diagnostic tool that is under development.

CS-Keys, Inc. closed a Series A round of funding on January 25, 2008 for \$6.25 million.

CS-Keys, Inc. nominated on 4/3/08 for the *Innovation of the Year Award* (2008 TechPoint Mira Awards)

Co-Founder of SynTherix, Inc. a biotech spin out company in Indianapolis, IN (incorporated in 2009) to translate laboratory findings into the development of a new generation of cancer therapeutics.

SynTherix, Inc. awarded \$2,000,000 grant from Indiana Economic Development Corporation (June 2009)

TEACHING EXPERIENCE:

While a graduate student at the City University of New York I participated in the teaching of undergraduate and graduate courses in both the chemistry and biology departments at Hunter College of the C.U.N.Y. Among these were: General Chemistry for nursing students, Organic Chemistry for nursing students, Organic Chemistry for chemistry majors, Biochemistry, General Biology, Cell Biology, Molecular Biology, Advanced Techniques in Cell and Tissue Culture.

In addition, while a graduate student at Hunter College of the C.U.N.Y. I also directed

several undergraduate students doing independent research.

During my post-doctoral training at the Worcester Foundation for Experimental Biology I had been involved in directing student interns in projects related to my field of research and in summer student research training.

Medical Student Training

Medical Biochemistry Course – Clinical Correlation and Conferences (2001)

Medical Pharmacology Course- Chemotherapy Lectures and Conferences (1991-1995)

Medical Pharmacology Discussion Group Leader (1991-1995)

Medical Microbiology and Immunology Course - Antibiotics Lectures (1995-2000)

Pathophysiology and Therapeutics Small Group on Antineoplastic Therapy (1995-present)

Medical Microbiology and Immunology Course - Antibiotics Small Group Leader (1996)

Medical Microbiology and Immunology Course - Antibiotics Panel Discussion (1996)

Research Advisor-Medical Students (Ramona Swaby, 1991-1993, and Udai Kammula, 1991)

Graduate Student Training

Research Advisor-Pre-Doctoral Students, City of Hope Beckman Graduate Institute (Emir Rubi, 2013-2014)

Ph.D. Dissertation Committee Member - Chun-Ting, City of Hope Beckman Graduate Institute (2013-present)

Ph.D. Dissertation Committee Member, Sean Howard, City of Hope Beckman Graduate Institute (2012-present)

Research Advisor-Pre-Doctoral Students, Dept. of Pharmacology, Indiana University School of Medicine (Benjamin Thirlby, 2009-2010, Zhimin Xiao, 2009-2011)

Research Advisor-Pre-Doctoral Students, Dept. of Molecular Genetics, Indiana University School of Medicine (Elizabeth Phipps, 2009-2011)

Guest Lecturer in the Biotechnology Training Program, Indiana University Bloomington (2008)

Lecturer in the Indiana University School of Medicine *Mini-Med School Series* (March 2005)

Ph.D. Dissertation External Reviewer – McGill University (Sahar Sibani, 2005)

Lecturer in the Indiana University School of Medicine *Mini-Med School Series* (March 2002)

Research Advisor-Pre-Doctoral Students, Dept. of Pharmacology, University of Maryland School of Medicine (Yan Wu, 1990-1996; Nancy Applegren, 1992-1997; Jennifer Coll, 1993-1998; Lori McDermott, 1998-1999; Hai-Yan Jiang, 1995-1999; Waleed Abdel-Aziz, 1996-2001, Carla Lankford, 1996-2001, Derek Hoelz, 1997-2002; Philip Wills, 1997-2002; Yang Liu, 2001-2005)

Research Advisor-Pre-Doctoral Student, Program in Toxicology, University of Maryland School of Medicine (Shankung Lin, 1994-1997)

Research Advisor-M.D./Ph.D. Student, Dept. of Pharmacology, University of Maryland School of Medicine (Melanie Smith, 1997-2004)

Research Advisor-Masters Student, Dept. of Pharmacology, University of Maryland School of Medicine (Erika Cronkey, 1995-1997; Derek Hoelz, 1996-1997; Anand Desai, 1996-1998, Joyti Patel, 2000-2003)

Ph.D. Dissertation Committee Member – Dept. of Pharmacology, University of Maryland School of Medicine (Dmitry Grigoryev, 1999)

Ph.D. Thesis Committee Mentor – Molecular and Cellular Biology Program, University of Maryland School of Medicine (Joanne Doherty, 1999)

Ph.D. Dissertation Committee Member – Program in Toxicology, University of Maryland School of Medicine (Taro Akiyama, 1998)

External Ph.D. Thesis Examiner for the Division of Experimental Medicine at McGill University, Montreal, Canada (Marcia Teresa Ruiz Guerra, 1997)

Ph.D. Dissertation Committee Member – University of Maryland Dental School (Patrick Fields, 1997)

Ph.D. Thesis Committee Mentor – Program in Toxicology, University of Maryland School of Medicine (Taro Akiyama, 1997)

Ph.D. Dissertation Committee Member – Dept. of Pharmacology, University of Maryland School

of Medicine (Tao Peng, 1996)

Ph.D. Dissertation Committee Member – University of Maryland Dental School (Xiaoling Zhou, 1996)

External Ph.D. Thesis Examiner for the Division of Experimental Medicine at McGill University, Montreal, Canada (Torsten Nielson, 1996)

Ph.D. Dissertation Committee Member – University of Maryland Baltimore County, Dept. of Chemistry (Lijuan Wang, 1995)

External Ph.D. Thesis Examiner for the Division of Experimental Medicine at McGill University, Montreal, Canada (Christopher Pearson, 1994)

Ph.D. Dissertation Committee Member – Dept. of Pharmacology, University of Maryland School of Medicine (Wei Yue, 1994)

Ph.D. Oral Exam Committee Member – Dept. of Biochemistry, University of Maryland School of Medicine (John Mc Goldrick, 1994)

Ph.D. Oral Exam Committee Member – Molecular and Cellular Biology Program, University of Maryland School of Medicine (D. Chung, 1994)

Ph.D. Oral Exam Committee Member – Molecular and Cellular Biology Program, University of Maryland School of Medicine (Joanne Doherty, 1994)

Ph.D. Oral Exam Committee Member – Program in Toxicology, University of Maryland School of Medicine (Shankung Lin, 1994)

Research Advisor-Undergraduate Student, University of Maryland Cancer Center Summer Program (Joshua Schiffer, 1992, 1993)

Ph.D. Preliminary Exam Committee Member – Program in Toxicology, University of Maryland School of Medicine (Shankung Lin, 1993)

Academic Advisor Ph.D. Student – Dept. of Pharmacology, University of Maryland School of Medicine (Diana Chung, 1992 – 1993)

Ph.D. Preliminary Exam Committee Member – Dept. of Pharmacology, University of Maryland School of Medicine (Tao Peng, 1992)

Ph.D. Thesis Committee Member – Dept. of Microbiology and Immunology, University of Maryland School of Medicine (Chu Pei, 1991- 1993)

Ph.D. Thesis Committee Member – Dept. of Pathology, University of Maryland School of Medicine (Yuan Lin, 1992-1995)

Ph.D. Thesis Committee Member – Dept. of Biochemistry, University of Maryland School of Medicine (Hsingchi Lin, 1992-present)

M.D./Ph.D Dissertation Committee Member – Dept. of Pharmacology, University of Maryland School of Medicine (Theodore Chung, 1991)

Ph.D. Dissertation Committee Member – Dept. of Pharmacology, University of Maryland School of Medicine (Jianhua Luo, 1991)

Ph.D. Dissertation Committee Member – Dept. of Microbiology, University of Maryland School of Medicine (Chu Pei, 1993)

Ph.D. Dissertation Committee Member – Dept. of Pathology, University of Maryland School of Medicine (Yuan Lin, 1993)

Lecturer in the **Advanced Molecular Genetics** Course, Molecular and Cellular Biology Program, University of Maryland School of Medicine (1991-1994)

Lecturer in the **Fundamentals of Molecular Biology** Course, Molecular and Cellular Biology Program, University of Maryland School of Medicine (1993-1998)

Lecturer in the **Molecular Aspects of Oncopharmacology** Course, Dept. of Pharmacology, University of Maryland School of Medicine (1993-1998)

Lecturer in the **Fundamentals of Pharmacology** Course, Dept. of Pharmacology, University of Maryland School of Medicine (1994-1998)

Lecturer in the **Integrated Pharmacology** Course, Dept. of Pharmacology, University of Maryland School of Medicine (1999-present)

Lecturer in the **Biochemical Pharmacology** Course, Dept. of Pharmacology, University of Maryland School of Medicine (1995-present)

Lecturer in the **Molecular Epidemiology** Course, Dept. of Epidemiology, University of Maryland School of Medicine (1999)

Guest Lecturer in the **Molecular Oncology** Course, Program in Molecular and Cellular

Oncology, George Washington Medical School (1996, 1998)
Lecturer in the University of Maryland School of Pharmacy, **Principles of Drug Action**
(1996, 1997)
Project Director for the **Applications in Biotechnology** course for the Dept. of Medical and
Research Technology, University of Maryland School of Medicine (1996, 1997)

Graduate Course Development and Implementation

Created and developed the University of Maryland **Molecular Aspects of Oncopharmacology** course offered for the first time in the spring of 1993.

Created and developed the Department of Pharmacology Pre-Doctoral **Oncopharmacology Track Curriculum**, University of Maryland School of Medicine (1993).

Pharmacology Special Topics or Readings Courses Developed and Delivered, University of Maryland School of Medicine:

Cancer Biology and Anticancer Therapy
DNA Replication and DNA Repair
Molecular Approaches to Anticancer Chemotherapy

UNDERGRADUATE TRAINING:

Presented at *Meet the Professor* for the “Undergraduate Research for Prospective Physician-Scientists and Physician-Engineers” Program. Indiana University School of Medicine (June 2009).

CURRENT AND PREVIOUS TRAINEES:

Graduate Students

Yan Wu, Nancy Applegren, Shankung Lin, Jennifer Coll, Philip Wills, Hai-Yan Jiang, Anand Desai, Waleed Abdel-Aziz, Carla Langford, Melanie Smith, Derek Hoelz, Joyti Patel, Erica Cronkey, Yang Liu, Lori McDermott, Ben Thirlby, Zhimin Xiao, Amruta Phatak, Elizabeth Phipps, and Emir Rubi.

Postdoctoral Fellows

Sugata Ray, Ph.D. (1994), Timothy Tom, M.D., Ph.D. (1995), Suhua Han (1997-2001), Jennifer Sekowski, Ph.D. (1998-2000), Pamela Bechtel, Ph.D. (1998-2000), Andrea Todd (1999), Hai-Yan Jiang, Ph.D. (1999-2000), Dragana Tomic, M.D. (2000-2001), Keta Selaru, M.D. (2001), Carla Lankford, M.D./Ph.D. (2001), Zhiwen Chen (2002-2003), Waleed Abdel-Aziz, Ph.D. (2001-2004), Jin Yang (2002-2005), Derek Hoelz (2002-2005), Jin Yang (2002-2005), Yang Liu, M.D. (2001-2006), Shanna Smith (2009-2011), Elizabeth Sierra Potchnant (2010-2011)

Senior Research Associates in the Laboratory

Jianying Liu, Ph.D. (1991-2011), Heqiao Dai, Ph.D. (2002-2011)

Junior Faculty in the Laboratory

Shari Soule, M.D. (2002-2003), Carita Lanner, Ph.D. (2003-2005), Waleed Abdel-Aziz, Ph.D. (2004-2008), Travis Day, Ph.D. (2005-2006), Derek Hoelz, Ph.D. (2005-2009), Xiao-Ling Zhong, MD (2006-2011), Fei Shen, PhD (2009-2011), Than Dellinger, MD (2012-present)

Medical Resident Fellows

Ramona Swaby (1995, currently an Associate Professor at the Fox Chase Cancer Center), Timothy Tom (1996), John Sandoval (2002-2005, currently an Assistant Professor at St. Jude’s Children’s Hospital), Tony Escobar (2003-2004), Andrew Epstein (2004-2005), Nathan Novotny (2006-2007), Hari Kumar (2006-2009), Heather McDaniel (2009-2011, currently an Assistant Professor at Vanderbilt University Cancer Center)

Medical and Technology Research Students

Rosemin Daya (1996), Fredrick Shemer (1997)

Undergraduate Students

Maryam Beheshti (1996), Avreca Schools (1996), Dionne Morris (2001), Wai Soon Chan (2006-2007), Chris Cox (2008), Andrea Trinkle (2012-2013)

Students Under My Supervision Awarded the Ph.D.

Yan Wu, Department of Pharmacology, awarded May 1996, currently an Internal Medicine member at the Robert Wood Johnson Medical Center.

Nancy Applegren, Department of Pharmacology, awarded January 1997.

Shankung Lin, Program in Toxicology, awarded May 1997, currently an Assistant Investigator Institute of Cellular and Systems Medicine, National Health Research Institutes, Taiwan.

Jennifer Coll, Department of Pharmacology, awarded August 1998.

Hai-Yan Jiang, Department of Pharmacology, awarded January 2000, currently on staff at the University of Maryland Cancer Center.

Carla Lankford, Department of Pharmacology, awarded June 2001, currently a Senior Staff Scientist at the FDA.

Waleed Abdel-Aziz, Department of Pharmacology, awarded August 2001, currently adjunct Assistant Professor at the Purdue University School of Pharmacy.

Derek Hoelz, Department of Pharmacology, awarded August 2001, currently a faculty member at the Maine Genetics Institute.

Philip Wills, Department of Pharmacology, awarded August 2002, currently Chief Scientific Officer at Paragon Biosciences.

Yang Liu, Department of Pharmacology, awarded August 2005, currently an Assistant Professor at the University of Pittsburgh Cancer Center.

Students Under My Supervision Awarded the Masters Degree

Erika Cronkey, Department of Pharmacology, awarded May 1997, currently a biotech market researcher at *Market Measures*.

Anand Desai, Department of Pharmacology, currently a postdoctoral trainee at University of Maryland.

Lacey Dobrolecki, Department of Biochemistry and Molecular Biology, awarded August 2008 from Indiana University, currently a Research Assistant at Baylor University.

Jasmine Kamran, trained with me under a NIH funded T35 Women's Health Research Program at the Indiana University School of Medicine, awarded degree in August 2009. Employed as a research technician at the Indiana University School of Medicine.

Kelley Krizek, Department of Pharmacology, Indiana University School of Medicine, degree awarded May 2011.

Awards and Honors Won by My Trainees

Elizabeth Phipps - DOD Medical Research and Development Command Breast Cancer Research Program Fellowship (2010-2013)

Benjamin Thirlby – NSF GK-12 Graduate Teaching Fellowship (2010-2011)

Dr. Shanna Smith – NIH/NCI Postdoctoral Fellowship (2009-2012)

Dr. Derek Hoelz - DOD Medical Research and Development Command Breast Cancer Research Program Fellowship (2002-2005)

DOD Medical Research and Development Command Breast Cancer Research Program Fellowship (1999-2002)

Dr. Waleed Abdel-Aziz - Egyptian Predoctoral Fellowship (1996-2001)

Second place award in Molecular Biology III at the Graduate Student Research Day (1999)

First place award at the Graduate Student Research Day (2001)

University of Maryland Award for Outstanding Doctoral Thesis (2001)

American Association of Cancer Research *Scholar-in Training* Award (2001)

DOD Medical Research and Development Command Breast Cancer Research Program Fellowship (2003-2005)

Dr. John Sandoval- American Association for Cancer Research Travel Award (2003)

- NIH Medical School Loan Repayment Award (2003-present)
 American Association for Cancer Research Travel Award (2004)
 Walther Cancer Institute 2004 Marilyn Hester Scholarship
 A.N.N.A. award (2005)
- Dr. Tony Escobar- Chosen to give a platform presentation at the 2004 British Association of
 Pediatric Surgery at Oxford University in England
- Dr. Suhua Han- DOD Medical Research and Development Command Breast Cancer
 Research Program Fellowship (2000-2001)
- Dr. Jennifer Sekowski -NIEHS NRSA Postdoctoral Fellowship (1998-2000)
 American Association for Cancer Research Travel Award (1999)
 Women's Health Research Award (1999-2000)
- Dr. Pamela Bechtel – DOD Medical Research and Development Command Breast Cancer
 Research Program Fellowship (1998-2000)
 Schleicher & Schull Breast Cancer Postdoctoral Fellowship (1998-2000)
- Dr. Andrea Todd – FCAR Postdoctoral Fellowship (2000-2002)
- Dr. Carla Lankford - 1st Annual Women's Health Research Poster Day First Place Award (2001)
- Yan Wu - Sigma Xi Graduate Research Awards (1991, 1992)
 Awarded Ph.D. in Pharmacology (1996)
- Nancy Applegren - Sigma Xi Graduate Research Award (1992, 1994)
 Eli Lilly Travel Award to present her research work at the American
 Association of Cancer Research Meeting held in Orlando, FL (1993)
 Invited Participant in the Histopathobiology of Cancer Workshop held at the
 Medical College of Virginia, Richmond, VA (1993)
 Awarded Ph.D. in Pharmacology (1997)
- Jennifer Coll - DOD Medical Research and Development Command Breast Cancer
 Research Program Fellowship (1994-1998)
 Sigma Xi Graduate Research Award (1994)
 Invited participant in the Histopathobiology of Cancer workshop held by the
 National Cancer Institute in Keystone, Colorado (1995)
 National Dean's List (1996)
 Who's Who among American Graduate Students (1996)
 University of Maryland Cancer Center Travel Award (1996)
 Awarded Ph.D. in Pharmacology (1998)
- Shankung Lin - University of Maryland Graduate School Merit Award (1996)
 Awarded Ph.D. in Toxicology (1997)
- Philip Wills - University of Maryland Graduate Merit Award (1999)
 1st Annual Women's Health Research Poster Day First Place Award (2001)
- Hai-Yan Jiang - DOD Medical Research and Development Command Breast Cancer
 Research Program Fellowship (1998-2001)
- Melanie Smith - Bristol Myers-Squibb Academic Medicine Fellowship (1998-1999)
 American Association for Cancer Research Travel Award (2001)
 American Association for Cancer Research Travel Award (2002)
- Ramona Swaby - STRTP Fellowship (1991, 1992)
 Monumental City Medical Society Scholarship (1993)
 Placed 3rd in poster presentations, UMAB Medical Student Research (1993)
- Udai Kammula - Placed 1st in oral presentations, UMAB Medical Student Research (1991)

Mentoring and Advising of Junior Faculty Outside of Laboratory

- Dr. Chunyan He – Assistant Professor of Public Health (2009-2011)
- Dr. Mircea Ivan – Assistant Professor of Medicine (2009 – 2011)
- Dr. Katherine Kelly – Assistant Professor of Medicine (2008 -2011)
- Dr. Christine Quirk – Assistant Professor of Pharmacology (2007-2009)
- Dr. Christie M. Orschell - Associate Scientist/Associate Professor of Medicine (2004-2011)
- Dr. Brittany Shea-Herbert – Assistant Professor of Medical Genetics (2003-2011), promoted to
 Associate Professor with Tenure 2009
- Dr. Daniela Matei – Associate Professor of Medicine (2004-2011)

Speaker at IU workshop “*Successful Internal Grant Proposals: Unlocking the Secret to Peer Review*” (February 2004)

PUBLIC EDUCATION ACTIVITIES:

Have met with the following individuals or groups since to discuss the ongoing research in the laboratory and/or conduct tours of our research facility:

- City of Hope Board of Directors, Campaign Cabinet members
- City of Hope Board of Directors spouse tour
- Los Angeles Real Estate Council
- *Causes* Staff Tour
- IUCC Board Meeting (attended with B. Baaekgaard of Vera Bradley)
- Sheila D. Ward, M.D. (Dr. Ward is now creating an IU professorship for translational research for metastatic breast cancer)
- Jim Kelley/Ruth Jansen and daughters - Vera Bradley VIP donors
- Marian J. Morrison (Miss Morrison is now creating an IU Chair for breast cancer research)
- IUCC Board Meeting (attended with P. Miller)
- Vera Bradley - Volunteer tours (2003)
- Vera Bradley - Volunteer tours (2004)
- Broad Ripple High School Key Club
- Friends-4-Cures (Campbell Family) Board of Directors
- PACT – Peers Against Cancer Together – of Brebeuf High School
- Women legislators for the State of Indiana (2006)
- Male legislators of the State of Indiana (2006)
- Senator Evan Bayh’s officer staffing the Dept. of Defense sub-committee (2008)
- Indiana University Foundation Board Spouse event (2009)
- Kaplan College Medical Training Class (2010)
- T. Krishna Reddy, Mayor of Hyderabad, India, and a delegation of officials (2010)

The following lectures and presentations were done for public education purposes:

- “*The Future of Translational Research*” – a City of Hope Learning and Personal Development Week course to be presented January 2014
- “*Translational Research*” – a presentation given to *The Oakmont League of Glendale, CA* (March 2012)
- “*The Research Mission of the City of Hope*” – Presented at the City of Hope Harvest Celebration Ball, Seattle, WA (November 2011)
- “*The Research Mission of the City of Hope*” – Presented at the National Office Products Industry 2011 Spirit of Life Gala in Chicago, IL (September 2011)
- “*Translational Research*” – a presentation given at the Phoenix Introduction to City of Hope, Phoenix, AZ (September 2011)
- “*Small molecules that target a cancer associated protein*” - Presented to the City of Hope Board of Governors (August 2011)
- “*Small molecules that target a cancer associated protein*” - Presented to the City of Hope Music & Entertainment Industry Group (July 2011)
- Presented a Keynote address to the American Cancer Society’s *Making Strides Against Breast Cancer* in Adams, MA (October 2010)
- Presented a Keynote address at the Middle Way House Spring Luncheon in Bloomington, IN (April 2010)
- Presented a Keynote address entitled, “*The Future of Individualized Breast Cancer Therapy*”, at the Annual Healthcare Businesswomen Association Meeting in Indianapolis, IN (October 2009)

- Presented a talk entitled, “*Development of a Novel Nuclear Protein Isoform as a Cancer Diagnostic and Novel Therapeutic Target*,” to the Annual Meeting of the Ceres Venture Fund in Chicago, IL (May 2009)
- Participated in the Indiana Medical Sciences “*Meet the Researcher*” Event, held at the Indianapolis Speedway (May 2008)
- Participated in the “*Moving Technology from the Academic to the Business Setting*” Panel at the University Club of Indiana University Annual Meeting (April 2008)
- Presented a talk entitled, “*Getting Cancer in My Sites*,” at the County Chamber of Commerce Networking Luncheon in Portland, IN (April 2008)
- Presented a talk entitled, “*Getting Cancer in My Sites*,” at the Susan G. Komen Breast Cancer Survivor’s Lunch, Amish Acres, IN (March 2008)
- Presented a talk entitled, “*Recent Developments in the Early Detection of Cancer*”, at the Executive Alliance Group, Indianapolis, IN (February 2008)
- Presented a talk at the *Life Sciences on Tap* for the Bloomington Life Sciences Partnership and the Indiana University Kelley LifeSC Initiative (February 2008)
- Presented a talk entitled, “*Getting Cancer in My Sites*,” at the *Clinical Research Education & Awareness Day* (October 2007)
- Presented a talk entitled, “*Getting Cancer in My Sites*,” at the *A Night to Remember* Event for cancer survivors, Indianapolis, IN (September 2007)
- Presented a talk entitled, “*Getting Cancer in My Sites*,” to the 7th Annual Mickey’s Camp for Men (August 2007) in IN.
- Presented a talk entitled, “*Getting Cancer in My Sites*,” to the 6th Annual Mickey’s Camp for Women (August 2007) in IN.
- Keynote speaker for the The Region I Fair, a science fair for high school students, The Berkshire, Massachusetts (March 2007)
- Presented a talk entitled, “*Getting Cancer in My Sites*,” at *Nancy’s Retreat*, Puerto Viarta, MX (November 2006).
- Presented a talk entitled, “*Getting Cancer in My Sites*,” to the 8th Annual Insights: A Colloquium for Women at IUPUI (November 2006) in Bloomington, IN.
- Presented a talk entitled, “*Getting Cancer in My Sites*,” at the *Clinical Research Education & Awareness Day* (October 2006)
- Presented a talk entitled, “*Getting Cancer in My Sites*,” at the *Vera Bradley Tickled Pink* breast cancer awareness event, Fort Wayne IN (October 2006)
- Presented a talk entitled, “*Getting Cancer in My Sites*,” to the 6th Annual Mickey’s Camp for Men (August 2006) in IN.
- Presented a talk entitled, “*Getting Cancer in My Sites*,” at the the Indiana University 2006 State Men Legislators’ Event (July 2006)
- Key speaker the Indiana University 2006 State Women Legislators’ Event entitled *Dr. Linda Malkas and Momma Mia!* (April 2006)
- Participant in the *Indiana University Life Sciences Exhibit and Reception* at the Indiana State House in Indianapolis (March 2006).
- Guest speaker at the Breast Cancer Survivors Group, Champaign, IL (October 2005)
- Presented a talk entitled, “*Getting Cancer in My Sites*,” to the IU Alumni Foundation, October 6, 2005 in Bloomington, IN.
- Presented a talk entitled, “*Getting Cancer in My Sites*,” to the Christie Clinic Breast Cancer Support Group, October 5, 2005 in Champaign, IL.
- Lecturer in the Indiana University School of Medicine *Mini-Med School Series* (March 2005)
- Participated in the *Advancing Indiana/Life Sciences Initiative* and featured in the *Human Genome Project* display at the Indiana State Museum (January 2005)
- Keynote speaker for the *Women’s Health Conference*, Notre Dame University, South Bend, IN (October 2004)
- Guest speaker at the *Indiana University Alumni Luncheon*, Chicago, IL (October 2004)
- Guest speaker at the *Breast Cancer Survivors Group*, Champagne, IL (August 2004)

- Keynote speaker for the *Women's Health Conference*, Bloomington, IN (April 2004)
- Guest speaker at the *Indiana University Nursing Alumni Association*, IU East Campus (Richmond) (March 2004)
- Guest speaker at the *Indiana University Alumni Association Executive Council* meeting (December 2003)
- Guest speaker at the *Women and Cancer: Hope for Tomorrow* program hosted by the Parkview Hospital in Fort Wayne, IN (October 2003)
- Presentation to the *Women's Fund OPTIONS* group (August 2003)
- Presented to *Indiana University Cancer Center Communications and Outreach Forum* (July 2003)
- Presentation to the *Indiana University Spring Women Faculty Luncheon* (May 2003)
- Presentation to the *Kappa Kappa Sigma Sorority Convention* (April 2003)
- Guest speaker at the *Methodist Hospital Women's Health Symposium* (October 2002)
- Guest speaker at the *Indiana University School of Medicine Dean's Council Dinner* (October 2002)
- Guest speaker at the *Indiana University Cancer Center Board of Development meeting* (September 2002)
- Lecturer in the *Indiana University School of Medicine Mini-Med School Series* (March 2002)
- Panel participant and presenter at the *4th Annual Insights: A Colloquium for Women at IUPUI* (March 2002)

MEDIA EXPERIENCE:

Town and Country 2018 Philanthropy Summit – Gave a platform talk on *The Future of Cancer Care* – the talk can be found at <https://www.townandcountrymag.com/society/money-and-power/a21951803/future-of-cancer-care-philanthropy-summit-2018/>

Town and Country 2015 Philanthropy Summit – participated on a panel chaired by Katie Couric (May 2015)

“*City of Hope Centennial*” Glendale Arts (June 24, 2013)

“*San Marino Historical Society Series: The City of Hope Centennial*” (May 23, 2013)

“*Duarte's City of Hope to rally in support of public funding of medical research*” Pasadena Star News (April 4, 2013)

“*Sequester Cuts Put More Cancer Patients at Risk of Dying, Researchers Say*” The Daily Beast (March 2013)

“*Blurring the Lines Between Academic and Industrial Cancer Research*” Science (March 29, 2013)

“*Budget Cuts and the Plight of Postdocs*” The Daily Beast (March 2013)

KLAA-AM radio station interview (March 2013)

“*Researcher "Honored" to Meet Family Whose Ancestor's Cells Helped Create Vaccines*” TV news segment for NBC Los Angeles (February 28, 2013)

Appeared in the KTLA news segment entitled *Medical Miracles: Bone Marrow Transplants Save Lives* (February 2013) <http://ktla.com/2013/02/04/medical-miracles-bone-marrow-transplants-save-lives/#axzz2K2ijxGWQ>

City of Hope: Boldly Traversing the "Valley of Death" Oncology & Biotech News interview (October 19, 2012)

"Local Edition" TV interview (2012)

"Coast to Coast with George Noory" radio program interview (May 15, 2012)

"City of Hope Comprehensive Cancer Center" Journal of the National Comprehensive Cancer Network (2012)

"Cancer researcher feels sense of urgency in work" Fort Wayne Journal Gazette (March 2011)

"Vera Bradley-funded research results in cancer detector" Fort Wayne Daily News (February 2011)

"The Big Picture" The Vera Bradley Foundation for Breast Cancer Magazine (June 2010)

"IU Startups Highlighted in National Report" Inside Indiana Business. A company I co-founded was one of six II start up companies that were highlighted in a national report (*The Science Coalition*) on the link between federally-funded research and economic growth. www.insideindianabusiness.com/newsitem.asp?id=41785

"Researcher aims to make cancer easy to find" Interview for Indianapolis Star Biz Buzz (December 2009) www.IndyStar.com/BizBuzz

"Vera Bradley essential to breast cancer fight" Fort Wayne Journal Gazette (November 2009) <http://www.journalgazette.net/article/20091129/LOCAL/311299886/1002/LOCAL>

Gave an interview regarding research on Breast Cancer for the nationally syndicated radio program "*The Lia Show*" (September 2009)

"DNA Model, DNA Machine" Indiana University Research and Technology Corporation ad campaign (Fall 2009)

"Vera Bradley Pledges \$10 Million to Simon Center", Indiana Daily Student (November 2009) <http://www.idsnews.com/news/story.aspx?id=72077>

"Breast Cancer Myths Debunked" Interview for Vera Bradley Foundation for Breast Cancer (July 2009)

"Personal Mission" Guidepost (October 2008)

"Tech stars: Mira Awards recognize innovators who are putting technology to work in Indiana" Indiana Business (July 2008)

"CS-Keys prepares for new VC funds" Indianapolis Star (January 2008)

"Extraordinary as the Stars: Cancer Research Shows Promise" iberkshires.com (March 2007)

"Married to research – and to each other" Indianapolis Star (December 2006)

"Fighting breast cancer" Fort Wayne Journal Gazette (December 2006)

"IU researchers discover breast cancer marker" Indianapolis Star (December 2006)

"A Company formed by Indiana University Researchers has Received a Significant Seed Investment Fund for Triathlon Medical Ventures" Triathlon Medical Ventures (July 2006)

"CS-Keys receives investment" American Venture Magazine (July 2006)

"Discovering Cancer at Its Earliest Stages" Indiana University Life Sciences (July 2006)

"New Gift Awarded to IU Cancer Center" IU Home Pages (June 2006)

"Another Successful Vera Bradley Classic" News Report for Wayne TV News Channel (June 2006)

"Business of Health" TV interview for Inside Indiana Business with Gerry Dick

"Vera Bradley endows \$6.8 million to IU Cancer Center" Indiana Daily Student (June 2006)

"BioCrossroads Ponies Up Funding For Indiana Breast Cancer Research" Midwest Technology Business News (June 2006)

"Worthy Purse Strings Tie Vera Bradley Foundation \$6.8 M gift to IU Cancer Center" Indiana University Media Relations (June 2006)

"Indiana Seed Fund Invests in Breast Cancer Research Company" Inside Indiana Business News Report (June 2006)

"IU's life sciences expertise on display at BIO 2006" Indiana University Media Relations (April 2006)

"IU Life Sciences and Breast Cancer Research" TV interview and newsletter for Gerry Dick's Inside Edge (2005)

"Fighting Cancer Through Research" <http://advancing.indiana.edu/minds/malkas.shtml> (2005)

"Technology Transfer: Bringing Life Sciences and Information Technology Discoveries to Market" IU Research and Technology Corporation (IURTC) Annual Report (2005)

Radio interview on the PBS WFYI show *"Sound Medicine"* with Barbara Lewis (January 2005)

"Improving Lives through Life Science Research", Indiana University News (January 2005)

Radio interview on the PBS WFYI show *"Sound Medicine"* with Barbara Lewis (October 2004)

"Personalized treatment goal of IU breast cancer study funded by \$10 million dollar DoD grant", EurekAlert! (April 2004)

TV interview with Rob Young for *Comcast Newsmakers* (April 2004)

TV interview with Kaylyn Easton for Indiana high school show (January 2004)

TV interview with Gerry Dick for WFYI (September 2003)

"Women and Cancer," participated as a panel member in a call-in forum of this PBS program (June 2003).

“Standing United in the Fight Against Cancer”, Report to the Indiana Elks State Convention, (June 2003)

“Hope on Horizon for Beating Breast Cancer”, House Call section of Indiana Alumni Magazine, Vol. 65 (5):15, (May/June 2003)

“Vera Bradley Foundation Pledges \$2 Million for Biomarker Research Program”, Press Release, (April 17, 2003)

Dialog section of the magazine Indianapolis Monthly, Vol. 26 (2):34, (October 2002).

“Revealing Hidden Cancer is IU Scientist’s Mission”, a newspaper article in the Indianapolis Star, Indianapolis, IN, Cover page, (May 10, 2002)

“IU Researcher to Conduct Cancer Study”, a newspaper article in the Bedford Daily Times Mail, Lawrence County, IN, C-14,200, (May 10, 2002)

“IU Researcher to Conduct Study on Cancer Detection”, a newspaper article in the Shelbyville News, Shelby County, IN, C-11,500, (May 10, 2002)

“IU Researcher Studies Early Cancer Detection”, a newspaper article in the Madison Courier, Jefferson County, IN, C-10,000, (May 10, 2002)

“IU Researcher to Conduct Study on Early Detection of Cancer”, a newspaper article in the Sullivan Daily Times, Sullivan County, IN, C-4800, (May 10, 2002)

“IU Researcher to Conduct Study on Early Detection”, a newspaper article in the Clinton Clintonian, Vermillion County, IN, C-5460, (May 10, 2002)

“IU Researcher to do Study on Early Cancer Detection”, a newspaper article in the New Castle Courier Times, Henry County, IN, C-12,500, (May 10, 2002)

“IU Researcher to Conduct Study on Early Breast Cancer Detection”, a newspaper article in The Times Frankfort, Clinton County, IN, C-7100, (May 10, 2002)

“IU Researcher to Conduct Study on Early Detection”, a newspaper article in the Columbia City Post & Mail, Whitley County, IN, C-5000, (May 11, 2002)

“Early Detection Studies Ongoing at IU”, a newspaper article in the Michigan City News Dispatch, LaPorte County, IN, C-16,500 (Dly & Sun), (May 11, 2002)

“IU Researcher’s Study of Proteins Could Lead to Simple Lab Test for Breast Cancer”, a newspaper article in the Ft. Wayne News Sentinel, Allen County, IN, C-53,000, (May 11, 2002)

“IU Researcher to Study Early Cancer Detection”, a newspaper article in the South Bent Tribune, St. Joseph County, IN, C-90,943 (Daily), C-128,502 (Sun), (May 11, 2002)

“IU Researcher Plans Study on Early Cancer Detection”, a newspaper article in the Richmond Palladium Item, Wayne County, IN, C-19,547 (Daily), C-23,441 (Sun), (May 11, 2002)

“Researcher to Study Early Cancer Detection”, a newspaper article in the Muncie Star Press, Delaware County, IN, C-37, 5000 (Daily), C-42,000 (Sun), (May 11, 2002)

“IU Researcher Leading Cancer Detection Study”, a newspaper article in the Ft. Wayne Journal Gazette, Allen County, IN, C-60,000 (Daily), C-132,000 (Sun), (May 12, 2002)

- “Researcher Working to Develop Early Breast Cancer Detection”*, a newspaper article in the Goshen News, Elkhart County, IN, C-17,349, (May 12, 2002)
- “Many Paths, One Goal: Eliminating Breast Cancer,”* Indiana University Medicine Magazine, (Spring 2002)
- “Trustees Approve Two Endowed Chairs”*, IU School of Medicine Scope, (April 29, 2002), Vol. 6 (17), Indianapolis, IN.
- “Proteomics in Breast Cancer Research”*, Sound Medicine, WFYI Public Radio (April 27, 2002)
- “The Next Screening Frontier?”*, an article in MAMM magazine, Vol. 3(3) (January 2001), includes comments made by me about the importance of developing biomarkers for early detection of cancer.
- “Bringing Cancer Markers to Market,”* an article published in the TECHGAZETTE (October 1999) describing our efforts to start a biotech company to develop a test-kit for cancer.
- “Cancer Research,”* a taping for the television show Frontiers in Medicine. An interview in which I describe my laboratory’s cancer research work and its potential long-term implications for future cancer diagnosis and treatment. (Aired in 1999).
- “Powerful New Marker for Breast Cancer Diagnosis; Scientists Discover Cellular Machinery Causing Genetic Mutations in Cancer Cells,”* news releases made by the Science Daily and Reuters news services (1998).
- “University of Maryland School of Medicine,”* a brochure describing the research and education missions of the school in which I am depicted. (1996)
- “Winter 1995-96 Bulletin,”* A publication of the University of Maryland Medical Alumni Association that, among its reports, describes the opening of the Health Sciences Facility research building. I am depicted and described as one of researchers that occupy the new building.
- “Bringing Research To Life,”* a video that was produced by Video Press at the University of Maryland, Baltimore for the opening of the new Health Sciences Facility research building. The concept of the video was to demonstrate how research affects the lives of the people of Maryland. I was interviewed for the video, along with four other scientists at the University, on the importance of research and what the new facility meant to the treatment and cure of disease. (1995)
- “Scientist Exhorts Students to Live Their Dreams,”* A report published in the Berkshire Eagle describing a talk I presented to high school students on the challenges and thrills that await the scientists of the future. (1995)
- “Super Scientist,”* a video that was produced by Mentor Media, Inc. as a prototype for a series that was aimed at promoting the pursuit of science careers to young girls between the ages of 9-12 years. The video describes how I became interested in science and how I went about preparing myself for my career. (1995)
- “University of Maryland Cancer Center 1994 Annual Report,”* contains an interview in which I describe my laboratory’s research work and its role in understanding the development and treatment of cancer.

"The Importance of Research," American Cancer Society, Maryland Division, Inc. Newsletter (February 1993), announcement of the awarding of a research grant to me and a discussion of the impact basic research has on the treatment of cancer.

"Picking Professors in Pairs," an interview given to The Washington Post in 1992 on the difficulties of married scientists to find academic positions together.