

Patricia A. Thomas, MD, MA, FCAP, FASCP

UNIVERSITY OF KANSAS SCHOOL OF MEDICINE

FACULTY CURRICULUM VITAE

Patricia A. Thomas, MD, MA, FCAP, FASCP

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Clinical focus: Cytopathology including FNAs, General Surgical Pathology Breast

Research focus: Health disparities, in general, racial/ethnic differences in breast cancer survival, specifically women's health research, and increasing diversity in the health professions.

Education and Professional Development:

<u>Year</u>	<u>Degree</u>	<u>Institution</u>
1986	MD	New York University School of Medicine New York, New York
1982	MA*	University of Kansas Lawrence, Kansas Department of Biology and Biochemistry

Masters Thesis: "Carboxymethylation and Demethylation in Neuroblastoma N-2a Cell Line". Using tissue culture, radioisotope labeling, and protein isolation and characterization techniques (protein biochemistry), I examined the putative role of protein methylation and demethylation in the stimulation-secretion activities in Neuroblastoma N-2a cell lines*. Course work completed in 1982, thesis defended in 1985.

1980	AB	Harvard University Harvard-Radcliffe Colleges Cambridge, Massachusetts Concentration: Biochemistry
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Postgraduate Education:

<u>Year</u>	<u>Position/Degree</u>	<u>Institution</u>
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2005	Fellow	Harvard School of Public Health Clinical Chief of Service Training Program
2003	Trainer	The Cross Cultural Health Care Program (CCHP) Training of Trainers Institute Seattle, Washington

This program provided 36 hours of training in cultural competency. CCHP was established in 1992 with grant funds from the W.K. Kellogg Foundation. CCHP approaches the issue of cultural competency from the perspective that acknowledges its complex, systemic nature.

2000-2001	Fellow	<i>Hedwig Van Ameringen</i> Executive Leadership in Academic Medicine Program for Women Bryn Mawr, Pennsylvania
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***This program emphasized in-depth case analyses; experiential learning in small group work and team building; interaction with leaders in academic medicine, dentistry, and related fields; networking, mentoring and individual consultations; and developing a peer network community. The curriculum had three major themes: the traditional MBA/mini-MBA; emerging issues in academic health and personal professional development.**

*Modified from Program Brochure.

1997-99	Fellow	AAMC and Agency for Health Care Policy and Research Health Services Research Institute Washington, DC
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Participants in this program are exposed to leaders in the field, health services research methods and studies. Participants visit the NIH campus and are familiarized with NIH staff and NIH application and review processes Participants develop "RO1 type grant proposal" and undergo review through a mock study section and grant review process.

1989-90	Chief Resident Anatomic Pathology	New York University New York, New York
1989	Visiting Fellow	University of California at San Francisco (UCSF) San Francisco, California

Spent 6 weeks with Dr. Britt-Marie Ljung, an internationally recognized expert in FNA techniques and breast FNA cytology, at Moffit Hospital studying cytopathology and developing FNA techniques.

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1988-89 Pediatric Pathology Specialty New York University
 Training and Research Year New York, New York

Worked with Dr. Alba Greco, an internationally recognized Pediatric Pathologist, and served as Co-Director of the Pediatric Pathology Service in 1989-1990.

1986-90 Internship and Residency New York University
 Anatomic Pathology New York, New York

Had added training with Dr. Jerry Waisman and the late Thorsten Lowhagen, internationally recognized expert in FNA diagnosis of cancer and Karolinska Hospital affiliate, in the techniques of performing and interpreting fine needle aspirate (FNA) biopsies. Participated as faculty in a number of cytology and FNA workshops and courses in New York City.

Academic Appointments:

<u>Month and Year</u>	<u>Position</u>	<u>Institution</u>
2006-Present	Professor of General Surgery joint-appointment	University of Kansas, School of Medicine, Department of General Surgery
2003-2009	Chair	University of Kansas, School of Medicine, Department of Pathology
2002-2003	Interim Chair	University of Kansas, School of Medicine, Department of Pathology
1999-present	Associate Dean	University of Kansas School of Medicine
1998-1999	Interim Associate Dean	University of Kansas School of Medicine
1998-present	Professor	University of Kansas Health Sciences Graduate School
1997-present	Professor	Kansas University Medical Center Department of Pathology and Laboratory Medicine School of Medicine
1996-1997	Associate Professor	University of Iowa College Of Medicine Department of Pathology
1992-1996	Assistant Professor	University of Iowa College Of Medicine Department of Pathology
1991-1992	Assistant Professor	New York University

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1990-1991	Instructor	Medical Center Department of Pathology New York University Medical Center,
1989 -1990	Co-Director	Department of Pathology Pediatric Autopsy Service New York University Medical Center Department of Pathology

Certification:

	<u>Board</u>	<u>Date</u>
Fellow	College of American Pathologists	02/94
Specialty (Added Qualification)	Cytopathology	05/31/94
Diplomate	Anatomic Pathology	11/20/91

Professional Registration/Licensure:

State

- Missouri (current)
- Kansas (current)
- Iowa (inactive)
- New York (current)

Professional Societies and Affiliations:

<u>Year</u>	<u>Organization</u>	<u>Office</u>
2009	American Society of Cytopathology: Recruitment and Resources Committee	Member
2008-present	Executive Leadership in Academic Medicine	Faculty Advisor
2008-present	College of American Pathologist Spokespersons Network	Member
2007-present	National Medical Association	
2004-2005	Minority-Serving Institution Faculty Scholar Award Committee	Co-Chair
2006-present	American Association for Cancer Research National Advisory Committee for AAMC Women in Medicine	
2006-present	Subcommittee for Pathology & Laboratory Services National Defense Health Board	
2005-present	Association of Pathology Chairs-Executive Council	Chair/Undergraduate Medical Education
2003-2006	National Advisory Board, Armed Forces Institutes Of Pathology	
2003-present	Association of Pathology Chairs	Member

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2002-2005	American Association for Cancer Research (AACR) Minorities in Cancer Research Advisory Committee	Advisory Board
2002-2004	Association of American Medical Colleges Group on Student Affairs-Minority Affairs Section	Coordinating Committee
2002-2004	Association of American Medical Colleges Group on Student Affairs-Minority Affairs Section Central Region	Vice President/ President Elect
2002-present	University of Kansas Medical Center Breast Cancer Prevention Center	
2001-present	Kaw Valley Medical Society	Executive Committee
2001-2006	Society for Executive Leadership in Academic Medicine (SELAM)	Diversity Column Writer
2000-2005	Program on Disparities and Diversity in Healthcare (PDDH) Distinguished Professor Lecture Series	Coordinating Committee
1999-present	American Medical Association	
1999-present	American Society of Clinical Oncology	
1998-2005	National Association of Medical Minority Educators (NAMME)	
1997-1998	Cancer Center Developmental Program in Invasion and Metastasis Research University of Iowa Hospitals and Clinics	
1996-present	American Society of Breast Diseases	
1996-present	American Society for Investigative Pathology	
1995-present	American Society of Cytopathology	
1995-present	American Society for Clinical Pathology	
1994-present	College of American Pathologists	
1994-present	American Association for Cancer Research (AACR) Cancer Epidemiology, Prevention and Control Program	
1994-1997	Papanicolaou Society of Cytopathology	
1993-present	University of Iowa Cancer Center & Internal grants program	
1993-1997	Children's Cancer Study Group	
1992-1997	United States and Canadian Academy of Pathology (USCAP)	
1991-present	American Association for Advancement of Academic Sciences	

Honors and Awards: (Include services on national and international professional committees, study sections, offices in professional societies, membership of editorial Boards, positions as reviewer for scientific journals or examiner for board examinations, etc.)

2010	University of Iowa Department of Pathology Distinguished Achievement Award
2009	Nominated for President-Elect, Association of Pathology Chairs (national organization)
2009	Featured in FoxSports News Short Vignette Library: Black History Month

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	2009— <i>Americans in Focus</i>
2009	Reviewer, Research on Causal Factors and Interventions that Promote and Support the Careers of Women in Biomedical and Behavioral Science and Engineering, National Institutes of Health Special Emphasis Panel
2008	External Reviewer, Academic Program Review Committee for The University of Arizona, College of Medicine, Department of Pathology's Academic Program
2008	Recipient of the Black Achiever Award in Business and Industry Kansas City and Southern Christian Leadership Conference
2007-present	AAMC - Women in Medicine Coordinating Committee
2006-present	Editor, CheckSample Committee, American Society for Clinical Pathology
2006	Defense Health Board, Scientific Advisory Board for Pathology and Laboratory Services Subcommittee, member
2006	Reviewer, Enabling Bioanalytical and Biophysical Technologies Study Section, National Institutes of Health Center for Scientific Review
2006	Community Champion Award Honorable Mention, Kansas Department of Health and Environment Office of Minority Health
2006	Alpha Omega Alpha
2005	Academic Keys Who's Who in Medical Sciences Education (WWMSE)
2005	USCAP Friends of Africa Advisory Group
2005	National Library of Medicine and AMWA Local Legend honoree
2004-present	Reviewer, Congressionally Directed Medical Research Programs, Breast Cancer, Prostate Cancer, Concept Award, Innovator Awards
2003-present	Member, Scientific Advisory Board, Armed Forces Institute of Pathology
2002-2003	University of Kansas Student Voice Award for Excellence in Teaching and Outstanding First Year Educator
2002	First annual Executive Vice Chancellor's Diversity Award
2002	Ad Hoc reviewer, American Society for Clinical Pathology Cytology Check Sample
2002-present	Consultant, Immunology Devices Panel of the Medical Devices Advisory Committee, Center for Devices and Radiological Health, Food and Drug Administration
2001-present	Invited Member, Greater Kansas City Diversity Consortium
2000-2002	Reviewer, Medical College Admissions Test
2000	Reviewer, Pathology Oncology Research
2000	Student National Medical Association and Latino Midwest Medical Student Association, Outstanding Achievement Award
2000	Kansas Alliance of Black School Educators Conference Keynote Speaker Recognition
1999	Greater Kansas City Black Nurses Association Certificate of Recognition for exemplary contribution as a collaborator in providing Diversity in Medical and Nursing Continuing Education
1999-2002	Reviewer, Cancer
1997-1998	Reviewer, American Journal of Pathology
1997	Reviewer, Cancer Cytopathology

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1996	AAMC Minority Health Services Research Institute Training Fellowship grant
1996	NIH-NCI Breast Fine Needle Aspiration Multidisciplinary Working Group for practice guidelines: National professional committee. Subcommittee II: FNA Technique, Smear Preparation, Training and Credentialing issues
1995	Wenger Award -- International Travel grant, University of Iowa Cancer Center
1994	Teacher of the Year Nomination, second year medical student, University of Iowa.
1984	NYU Black Faculty and Administration's Grant for Study - Health Care Study Tour of China and Japan
1981	Borgendale Award for Outstanding Graduate Student Seminar, Department of Biochemistry, University of Kansas
1981	Graduate and Professional Opportunities Fellowship, University of Kansas

Research Activities:

My research interests have focused in the area of Diseases of the Female Breast, specifically high risk benign disorders, breast neoplasia and biomarkers that might predict risk for progression and ethnic variations in progression and outcome.

My work to date can be characterized as descriptive (or observational) and translational research in the following categories:

- Racial/ethnic differences in breast cancer diagnosis and outcome.
- Observational research - i.e., morphologic characterization of high-risk lesions using fine needle aspiration biopsy (FNAB) techniques.
- Investigation of prognostic factors using slide based biological assays to test or translate basic science observations regarding breast cancer invasion, metastasis and progression.

1. Past/current research projects:

Curriculum enhancement/reform

- Development and implementation of virtual and physical academic support services and learning center for high risk medical students
- Development, implementation and measurement of cultural and linguistic competency initiative
- Development, implementation and measurement of a database tracking system for K-20 programs
- Visiting Distinguished Scientist series for Program on Health Disparities and Diversity

Community based cancer prevention, early detection, molecular epidemiology, community partnership and service learning

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- The Nicodemus Project
- Kansas City, Kansas and Kansas City, Missouri K-12 School based activities

Breast Cancer: Diagnosis, Quality of Care and Outcomes

- Racial/ethnic variations in utilization and access to diagnostic and research modalities
- Use of Fine Needle Aspiration Biopsy (FNAB) for diagnosis, prognosis, and research
- Correlation of the cytologic patterns of high risk lesions to disease progression

Breast Cancer Pathobiology

- Role of intermediate filaments and tissue factor in breast cancer invasion and metastasis

2. Grant support (past and current):

a.) Basic Science or Clinically related/Translational type Research:

Current:

1K12HD052027-01 **Thomas (PI)**

National Institute of Child Health and Human Development

Kansas BIRCWH Career Development Program in Women's Health Proposal

Begin Date: 10/01/2005 Project Period End Date: 09/30/2010

Direct: \$2,312,500

Total: \$2,497,500

Past:

Collaborator, 2 % effort

Principal Investigator: Carol Fabian, MD

Phase 1 and Phase 2 Clinical Trials of Cancer Chemopreventive Agents in Breast

Funding Agency: NIH/DHHS

Status: Active, 2002-2005

Co-Principal Investigator Vysis Protocol 02-404, 2% effort

Principal Investigator: Diane L. Persons, MD

A Prospective Study of the UroVysion Bladder Cancer Recurrence Test in Patients that are Symptomatic for Bladder Cancer

Funding Agency: UroVysion

2. Grant support (past and current) cont.:

Contract Acct. No.

Status: Complete, 2002-2003

Principal Investigator: Carol Fabian, MD

Breast Cancer Chemoprevention Projects

Chemoprevention for Women at High Risk of Breast Cancer

Current Activity 9/30/97 - 6/30/03.

1 UO1 CA77165.

Collaborator, 5% effort

Phase II Clinical Research: Detection of Sexually Transmitted Infections in Discarded PreservCyt Specimens Collected for the ThinPrep Pap Test

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Funding Agency: Cytoc Corporation
Contract Account No. RI-G2802490
Contract (Direct/Indirect): \$4000.00
Status: Completed in 2001

Co-Investigator, 10% effort

Pivotal Clinical Trials for Chemoprevention Agent Development: Chemoprevention by Selective Estrogen Receptor Modulators in Breast Cancer

Carol Fabian, MD, Principal Investigator, Kansas University Medical Center

Funding Agency: NIH/NCI CA-98-001

Direct costs: \$2,736,489

Total grant: \$3,402,826

Status: Active, by others

Collaborator, 5% effort

Role of Lysyloxidase in Breast Cancer Invasive and Metastatic Phenotype

Dawn Kirschmann, Ph.D., Principal Investigator, University of Iowa Department of Anatomy and Cell Biology

Funding Agency: Department of Defense, Breast Cancer Program

Direct/Indirect costs: \$250,000.

Status: Active, by others.

Co-Investigator, Patricia A. Thomas 5% effort

Immune Regulation of a Murine Model of Eosinophilia Myalgia Syndrome

Principal Investigator, Mary Jones,

Funding Agency: Showa Denko, Inc., Japan, 12/1/94-12/1/95

Grant #215011 02

Direct costs: \$105,000

Total grant: \$355,031.00

Status: Completed.

2. Grant support (past and current) cont.:

Co-Principal Investigator, Patricia A. Thomas

Clinical Trial: Evaluation of the ONCOR Her-2/neu Cosmid DNA Probe as an Aid in the Diagnosis, Prognosis and Therapeutic management of Node-Negative Breast Cancer Patients Clinical Trail

Co-Principal Investigator, Robert A. Robinson,

Funding Agency: ONCOR, Inc.

Grant #3551904

Direct costs: \$8,623.81

Total grant: \$8,623.81

Status: Complete (9/23/93-1/23/94)

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Co-Investigator, contract for professional services, Patricia A. Thomas, 5% effort
Pilot Study, Risk and Prediction of Postmenopausal Breast Cancer: An Integrated Molecular-Genetic-Epidemiologic Approach

Principal Investigator, Charles F. Lynch

Funding Agency: NIH Office for Research on Women's Health

Contract with University of Minnesota based on NIH grant

Grant#9403161/4001100

Direct costs: \$21,350

Total grant: \$29,750

Status: Complete (2/94-11/97)

Principal Investigator, Patricia A. Thomas, 5% effort

Clinical Study: Evaluation of ONCOR Her-2/neu (ERBB2) Gene Amplification Detection Kit for the Interphase Detection of HER-2/neu: Re Evaluation of Specimens

Proposed dates of study:

Funding Agency: ONCOR, Inc.

Direct costs: \$13,000.00

Total costs: \$13,000.00

IRB Expedited Review: M1080-01

Status: Completed (11/4/96-11/4/97)

FDA status: Approved

NIH Minority Investigator Supplement, 70% effort

The Role of Tissue Factor, Keratin, and Vimentin in the Metastatic Phenotype

Funding Agency: NIH

Award No. 3 RO1 CA59702-06SI

Direct -- \$48,400/year

Indirect -- \$22,748/year

Total -- \$71,148

Status: Completed (5/96-5/97)

2. Grant support (past and current) cont.:

b.) Graduate Medical Education or Faculty Development type programs:

Current:

Science Education Partnership Award

Principal Investigator

Pathological Life Science Training Program for Students and Families

Funding Agency: National Institute of Health

Grant Number: NIH QT845130

Amount of Grant: \$1,250,000

Length of grant: 07/08 – 06/13

Health Careers Pathways Program

Principal Investigator

Health Careers Pathways Program

Funding Agency: HRSA Department of Health and Human Services Health Careers

Opportunity Program

Length of Grant: 09/01/08 - 08/31/2011

Past:

Co-Principal Investigator and Director,

KUMC Endowment for Minority Students, 10% effort, no salary support

Funding Agency: National Center on Minority Health and Health Disparities,

Grant number: NIH 2 S22 MD00273-03

Amount of grant: \$5,625,000

Length of grant: 10/02-9/04, 10/01/04 – 09/30/07

Principal Investigator 12/06 – 8/31/07

Co-Director, 10% effort and 10% salary support.

Center of Excellence for Minority Medical Education

Funding Agency: Department of Health and Human Services, HRSA

HRSA 5 D23 HP 04048-06

Total costs: \$3,391,809

Status: September 1, 1998-August 31, 2004, 09/01/04 – 08/31/07

Principal Investigator 12/06 – 8/31/07

Co-Director, 5% effort

Health Careers Opportunity Program

KUMC Health Careers Pathways Program

Funding Agency: Department of Health and Human Services, HRSA

HRSA D18HP02857-06

Total costs: \$1,458,150

Status: September 1, 1999 to August 31, 2004, 09/01/04 – 08/31/07

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**Co-Associate Principal Investigator, 20% effort and 10% salary support
Greater Kansas City-Health Professions Pipeway Initiative: AAMC Project 300 by
2000**

Funding Agencies: The Association of American Medical Colleges and the Kellogg Foundation.

Amount of grant: \$350,000.00

Institutional and local private matching funds: \$1,050,500.00

Status: Completed July 2003.

Principal Investigator, 10% effort.

AMSA Promoting, Reinforcing, and Improving Medical Education PRIME)

Funding Agency: Division of Medicine, Bureau of Health Professions-HRSA (Contract No. 230-99-0001 with AMSA Foundation)

Direct costs: \$5900.00

Status: Completed January 24, 2000 through July 31, 2002

Clinical Activities (Past and Current):

2002-present

Kansas University Medical Center

- A. Inpatient: Surgical pathology sign out, 5% service time
Fine needle aspiration biopsies, and Cytology sign out, 5% service time
- B. Outpatient: Surgical pathology consult/second opinion, 5% service time
Fine needle aspiration biopsies, 5%
Cytology sign out and consult/second opinion cases
- C. Administrative Chair and Clinical Chief, 60%
Director of Cytopathology Fellowship Training Program, 10%
Associate Dean, Office of Cultural Enhancement and Diversity, 10%

1997-2002

Kansas University Medical Center

- A. Inpatient: Surgical pathology sign out, 50% service time
Fine needle aspiration biopsies, and Cytology sign out, 50% service time
- B. Outpatient: Surgical pathology consult/second opinion, 50% service time
Fine needle aspiration biopsies, 50% time
Cytology sign out and consult/second opinion cases
- C. Administrative Medical and Technical Director of Cytopathology Division and
Cytodiagnostic Outreach Services
Medical Director of Cytotechnology Training Program
Director of Cytopathology Fellowship Training Program

1992-1997

University of Iowa Hospital and Clinics

- A. Inpatient: Surgical pathology sign out, 50% service time
Fine needle aspiration biopsies, and Cytology sign out, 50% service time
- B. Outpatient: Surgical pathology consult, 50% service time
Fine needle aspiration biopsies, 50% time
Cytology sign out and consult cases
Autopsy pathology sign out and consult

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- 1990-1992 New York University Medical Center Tisch Hospital**
- A. Inpatient: Surgical pathology sign out, 50% service time
Fine needle aspiration biopsy 2 weeks/month
 - B. Outpatient: Pediatric autopsy pathology, 6 months/year
Fine needle aspiration biopsy, 2 weeks/month
General autopsy pathology, 20 weeks/year
- Bellevue Hospital**
- A. Inpatient Pediatric fine needle aspirations

**Teaching Activities:
Courses:**

Year	Title of Course	No.of Students	Length of Course	Cat. Of Students
2009	Perinatal Histopathology Laboratory	24	4 hours	Medical Students
2009	Common Cancers in Pediatrics	175	1 hour lecture	Medical Students
2009	Perinatal Pathology	175	1 hour lecture	Medical Students
2006 – present	Cardiovascular Module	183	3 hours	Medical Students
2004-2005	PAON 850 Neoplasia block Leader	175	8 hours	Medical Students
2002-present	Introduction to Medicine: Health Promotion Disease Prevention	175	1 hour lecture	Medical Students
2002-2003	Introduction to Medicine: Clinical Skills	12	9 sessions	Medical Students
2002-present	Introduction to Medicine: Clinical Skills	175	1 hour lecture	Medical Students
2001-2003	Medical Ethics	12	3 hr/wk including prep 6wks	Medical Students
2001-2003	Social Basis of Medicine	12	3 hr/wk 10 wks	Medical Students
2000-2003	Pathology Supplemental Instruction/	6-15	4-6 hrs/mo 12 months	Medical Students

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2000-present	Enhancement Pathology	1-4	2-4 hr/wk	Medical Students
	Special Electives		24 wks	
2000-2004	PBL	12	3 hr/biweekly	Medical Students
			16wks	
1998-present	SPPR 950	10	100 hrs	Medical Students
	Nicodemus			Nursing Students
1998-2002	CTB (Histology)		1-2 hr/mo	Medical Students
	Microscope		12 months	
	Sessions			
1998-2000	Pathology	22	3 hr/wk	Medical Students
	Case Analysis		32 wks	
1998-present	Lecture	175	6 hrs	Medical Students
	Pathology			
	PAON 850/851			
	Miscellaneous			
	Topic areas			
1997	UIHC PBL	8	2 hrs/wk	Medical Students
	Facilitator		x 24 wks	
1995-97	UIHC	8	2 hrs/wk	Medical Students
	Case Analysis		x 24 wks	
1994-97	UIHC	110	4hrs	Medical Students
	General Pathology		(including prep)	
	Section leader			
	Developmental			
	Abnormalities			
1993-98	UIHC-Systemic	175	20 hrs	Medical Students
	Pathology		(including prep)	
	Section leader,			
	Cardiovascular			
1990-91	NYU-Bellevue	6	2 hrs	Cytotechnology Students
	Thyroid & Lymph			
	Node Fine Needle			
	Aspiration			
1989-91	NYU Med. School	175	1 hr	Medical Students
	General Pathology			
	Perinatal Pathology			
1987-91	NYU Med. School	32	3 hrs	Medical Students
	General&Systemic		12 wks	
	Pathology			
	Laboratory Section			

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Clinical Teaching and Interdepartmental Conference

Year	Title of Course	No.of Students	Length of Course	Cat. Of Students
2006-present	Pathology for Surgeons	8	1-2 lectures	Residents
2004-2007	Cytology Core	16	2 lectures	Residents, Fellow(s)
1998-2007	Anatomic Pathology Core	16	2 lectures	Residents, Fellow(s)
1998-2000	Cytology Core	16	26 wks	Residents, Fellow(s)
1998-2002	Multidisciplinary Breast Tumor Conference	20	2-6 hr/wk Including Prep with Fellow, case reviews	Residents, Fellows, Nurses, & Faculty physicians
1997-1999	Cytology Microscope Conference	8	1 hr 12 wks	Cytotechnologists, Cytotechnology Students, and Residents
1995-1997	UIHC-Pediatric Morbidity and Mortality Conference	12-20	1 hr/wk 48 wks	Residents and Fellows
1995-1997	UIHC Colposcopy Cytopathology and Histopathology Correlation Conference	10-15	1 hr per mo. 12 mos	Residents and Fellows
1995-1997	UIHC Pediatric Oncology Conference	10-15	1 hr/wk 12 wks	Residents and Fellows
1993-1997	UIHC-Pediatric Cardiology conference	10-15	1 hr/wk 12 wks	Residents and Fellows
1993-1997	UIHC-Pediatric Morbidity and Mortality	10-15	4 hr/yr	Residents and Fellows
1992-1997	UIHC-Perinatal morbidity/mortality conference (OB/GYN)	15-20	2 hrs/mo. 12 mos	Residents and Fellows
1992-1997	UIHC-Medical Oncology Conference	15-20	4 hr/yr	Residents and Fellows

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Seminars, Grand Rounds, Journal Club:

2006	Kansas University Leadership Series "Team Building"
2004	Kansas University Leadership Series "Cultural Competence"
2004	Grand Rounds, KUMC, The Nicodemus Project
2003	KU Mini Medical School, Post-Doc Course, "Problem Based Learning"
1997	Technical Procedures and Pathology Workshop, Fine Needle Aspiration Biopsy of the Breast, Obstetrics and Gynecology
1997	Wet workshop. Technical Procedures and Pathology Conference. Obstetrics and Gynecology
1996	Fine Needle Aspiration Diagnosis of Breast Lesions: Clinching the Diagnosis, University of Alabama
1996-1997	Invasion and Metastasis Study Group/monthly
1995	University of Iowa Hospitals and Clinics, Pathology Grand Rounds, Iowa City, Pulmonary Hypoplasia. Growth fraction determination using Ki67 (MIB 1) Immunohistochemistry: Implications for prenatal therapy
1995	University of Iowa Hospitals and Clinics, Obstetrics and Gynecology, Pathology of LEEP
1994	University of Iowa Hospitals and Clinics, Radiation Oncology Journal Club Iowa, Overview of Breast Pathology
1993-1997	UIHC Cytology-Histology Core Curriculum
1992-1997	UIHC Cytopathology Core Curriculum
1992-1997	UIHC Cytotechnologist Case Review Conference
1992-1997	UIHC Cytology Fellow Case Review Conference
1992-1997	UIHC Surgical Pathology Gross and Microscopic teaching conferences
1992	UIHC, Department of Internal Medicine, Division of HematologyOncology, Grand Rounds, Iowa City, IA. The role of fine needle aspiration biopsy (FNAB) in medical oncology
1992	University of Iowa Hospitals and Clinics, Thoracic Surgery Conference, Fine Needle Aspiration Pathology of the Mediastinum
1992	New York University Medical Center, New York, NY Pathology and Grand Rounds Determination of growth fractions on fine needle aspiration smears of Mammary Carcinoma
1989	New York University Surgical Pathology Journal Club

Masters and Ph.D. these directed and postdoctoral fellows supervised:

Name	Program/Year	Last known status
Soheila Hamidpour, M.D.	Cytopathology Fellow, 2007-2008	(Private Practice)
Xiao Wang, M.D.	Cytopathology Fellow, 2007-2008	(Private Practice)
Jaiyeola Thomas, M.D.	Cytopathology Fellow, 2007-2008	(Academic Pathologist)
Xin Gao, M.D.	Cytopathology Fellow, 2006-2007	(Academic Pathologist)
Bradley Carmichael, M.D.	Cytopathology Fellow, 2006-2007	(Private Practice)
Maria Romanas, M.D., Ph.D	Cytopathology Fellow, 2005-2006	(VAMC/Academic)

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Pablo Hernandos-Rios, MD, MBA	Cytopathology Fellow, 2005-2006	(Private Practice)
Barbara Shideler, M.D.	Cytopathology Fellow, 2004-2005	(Private Practice)
Asraa Namiq, M.D.	Cytopathology Fellow, 2003-2004	(Academic Pathologist)
John Donahue, M.D.	Cytopathology Fellow, 2002-2003	
Fang Fan, M.D., Ph.D.	Cytopathology Fellow, 2001-2002	(Academic Pathologist)
Yafei Ren, M.D., Ph.D.	Cytopathology Fellow, 2000-2001	(Private Practice)
Elizabeth McKinley, M.D.	Cytopathology Fellow, 1999-2000	(Academic Pathologist,
	KUMC, 2000-2002;	Private Practice)
Paul Munyer, M.D., Ph.D.	Cytopathology Fellow, 1999-2000	(Private Practice)
Patricia Webb, M.D.	Cytopathology Fellow, 1998-1999	(Private Practice)
Sahar Samaha, M.D.	Cytopathology Fellow, 1998-1999	(Private Practice)
Thaira Oweity, M.D.	Cytopathology Fellow, 1997-1998	(Academic Pathology,
	NYU)	
Diva Salomao, M.D.	Cytopathology Fellow, 1997-1998	(Cancer Ctr. Pathologist)
June D. Sigman, M.D.	Cytopathology Fellow, 1996-1997	(Private Practice)
Christopher J. Leigh, M.D.	Cytopathology Fellow, 1996-1997	(Private Practice)
Christopher Campana, M.D.	Cytopathology Fellow, 1996-1997	(Private Practice)
Theodore E. Snider, M.D.	Cytopathology Fellow, 1995-1996	(Private Practice)
Holly McDaniel, M.D.	Cytopathology Fellow, 1995-1996	(Private Practice,
	Lab Director)	
Thai Van Nguyen, M.D.	Visiting Scholar (Vietnam), 1995	(Cancer Ctr. Pathologist)
Xuan Van Le, M.D.	Visiting Scholar (Vietnam), 1995	(Cancer Ctr. Pathologist)
Hai Quang Le, M.D.	Visiting Scholar (Vietnam), 1995	(Cancer Ctr. Pathologist)
Christopher S. Jensen, M.D.	Cytopathology Fellow, 1994-1995	(Academic Pathologist)
Mark Teague, M.D.	Cytopathology Fellow, 1994-1995	(Private Practice)
David J. Ferguson, M.D.	Cytopathology Fellow, 1993-1994	(Private Practice, Lab
	Director)	
Theodore H. Niemann, M.D.	Cytopathology Fellow, 1993-1994	(Private Practice)
Dilek Ozkutlu, M.D.	Doctoral Candidate, Foreign Scholar and Visiting Fellow, Istanbul, Turkey 1993-1995, Thesis: Selection of Key Cytologic Criteria for Separating Proliferative Breast Disease from Carcinoma.	
Laron McPhaul, M.D., Ph.D.	Cytopathology Fellow, 1992-1993	(Academic Pathologist)
Richard Wittchow, M.D.	Cytopathology Fellow, 1992-1993	(Private Practice)

Medical Student Summer Research:

Name	Institution	Year	Last known status
Moneera Haque	KUMC	2000,2003	Resident
Kathy Menefee	KUMC	1999	(MS3)
Chris Saroziek	KUMC	1999	(Graduate student)
Stephanie Brown, MS2	University of Iowa	1996	(Obstetrics and Gynecology)
Denise Tyler, MS2	University of Iowa	1995	(Emergency Medicine)

Patricia A. Thomas, MD, MA, FCAP, FASCP

Bel Pou, MS2

University of Iowa

1994

(Surgery)

Service:

Departmental

2001-present Member, Pathology Section Directors Meeting
2002-present Member, Division Directors Committee
2001-present Member, Executive Committee
2000-present Member, Education Committee
1999-present Member, Promotion and Tenure Committee, Kansas University Medical
1998-present Member, Residency Training Committee, Kansas University Medical Center,
Department of Pathology
1994-1996 UIHC Department of Pathology Reorganization Committee
1994-1997 UIHC Department of Pathology Employee of the Month Nominating Committee

School

2002-present Member Dean's Leadership Group
2002-present Clinical Chairs Committee
2002-present Basic Science Chairs Meeting
2000-2001 Member KUMC Search Committee, Director of General Internal Medicine
1999-2000 Member KUMC Search Committee, Vice Chancellor for Academic Affairs
1999-present Associate Director, Thomas G. Orr Academic Society
1996-1997 University of Iowa College of Medicine Self-Study Committee, Member
1996 Member, UIHC Task Force on Minority Faculty Affairs, Standing Committee
1994 Member, Departmental Review of Obstetrics and Gynecology, UIHC College of
1994 Medicine Ad Hoc Committee
1994 Member, UIHC College of Medicine Ad Hoc Task Force on Minority Faculty

Hospital

2004 Executive Committee of the Faculty
2002-present Member, Executive Committee of the Medical Staff
2002-present Member, Clinical Chairs committee

National/University/Community

2008-present CAP Spokesperson Network
2008 Kansas University Medical Center, Teaching and Learning
Task Force: Initiative 2015
2004 Mentor, 95th Annual American Association for Cancer Research. "The War
Against Cancer: The Task of the Next Generation—Special Program for High
School Students
2004-2006 Scientific Advisory Board, Armed Forces Institute of Pathology
2002-2004 AACR Minority in Science Advisory Committee
2002-present CDC/Prevention Research Center Peer Review

Patricia A. Thomas, MD, MA, FCAP, FASCP

2002-present	FDA Special Government Employee/Advisory Committee/Panel Consultant, Department of Health and Human Services
2001-present	Institutional Liaison, National Institute for Deafness and Other Communication Disorders and Center for Minority Health and Health Disparities Partnership Program
1999-2000	Kansas University Medical Center, Diversity Policy Development Team
1998-2006	Kansas University Medical Center, Diversity Advisory Committee, ex officio member

Administration (University, College, Departmental, National, etc.):

SCHOOL/COLLEGE OF MEDICINE

2006-present	Director, Center of Excellence Program (Diversity)
2006-present	Director, Health Careers Pathways Program
2006-present	Selection Committee for Medical Students Admission, Ex officio member
1999-present	Admissions Committee, Ex officio member
1998-2001	Director, Center for the Study of Race and Ethnicity in Medicine, Kansas University Medical Center
1998-2006	Co-Director, Center of Excellence for Minority Medical Education
1994-1997	Member and Institutional In House, Grant Reviewer, University of Iowa Cancer Center

DEPARTMENTAL

2003-2004	Acting Director, Anatomic Pathology
2003-present	Acting Course Director, Second Year Pathology Course
1998-present	Director, Kansas University Medical Center Cytopathology Fellowship Program
1997-2003	Director, Cytopathology and Cytodiagnostic Outreach Services, Kansas University Medical Center
1997-present	Medical Director, Kansas University Medical Center Cytotechnology Training Program
1994-1997	Co-Director of Annual Iowa Cytology Course
1994-1996	Director, Cytopathology Training Program University of Iowa
1991-1992	Acting Director, Pediatric Pathology, NYU-Bellevue
1989-1990	Co-Director, Pediatric Pathology, NYU-Bellevue

UNIVERSITY/NATIONAL

1996-1997	Member, University of Iowa African American Council
1996	Participant and Institutional Representative, National Biological Resource Banks Working Group (National Action Plan on Breast Cancer/NIH), Tissue Procurement/Tissue Bank Working Group
1992-1997	Institutional Representative and Member, Children's Cancer Study Group, Solid Tumors

HOSPITAL/PATIENTCARE

Patricia A. Thomas, MD, MA, FCAP, FASCP

1995-1997	UIHC Breast Cancer Care Map Workgroup
1996-1997	UIHC Clinical Process Improvement Team on Breast Cancer
1996	Member and Researcher, UIHC Breast Treatment Program: A Multidisciplinary Breast Program

Administration (University, College, Departmental, National, etc., continued):

STUDENT EDUCATION AND PROFESSIONAL DEVELOPMENT

1999-2003	KUMC Advisory Group on Professionalism
1998-present	Admissions and Special Programs Subcommittee, Kansas University Medical Center, ex officio member
1998-present	Academic Committee, Kansas University Medical Center, ex officio member
1992-1997	UIHC Health Careers Opportunity Mentor Program, Student Mentor
1992-1997	Educational Opportunities Program, The University of Iowa Health Sciences Center, Faculty Advisor
1995	University of Iowa College of Medicine Medical Student Promotions Committee
1996-1997	University of Iowa College of Medicine, Admissions Committee, member

COMMUNITY

1998-2003	Co-Executive Director, Greater Kansas City Health Professions Pipeway Initiative (GKC-HPPI) Co-Director, GKC-HPPI Core Implementation Team
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Physical Facilities Available:

200 square feet, office space 2017 Wahl West

Full Length Papers in Peer reviewed Scientific Journals:

1. Published Manuscripts:

1. Marks R, **Thomas PA**, Lusting I, Greco MA, Raghvendra N, Wasserman RI, Young B. In Utero diagnosis of fetal liver adenoma. J Ultrasound Med. 9:119-122, 1990.
2. **Thomas PA**, Vazquez MA, Waisman J. Comparison of fine-needle aspiration and frozen section for the diagnosis of palpable mammary tumors. Mod Pathol 3:570-574, 1990.
3. Cao Y, Dieterich D, **Thomas PA**, Huang Y, Mirabile M, Ho DD. Identification and quantification of HIV in the liver of patients with AIDS. AIDS 6:65-70, 1992.
4. Met CN, **Thomas P**, Davitz M. Expression and IgE-mediated release of glycoprophospholipase D from mast cells. Am J Pathol, 1992 140(6): 1275-1281, 1992.

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5. Hobar C, Schreiber J, McCarthy J, **Thomas P**. The role of the dura in clinical bone regeneration in the immature animal. *Am J Plastic and Reconstr Surg Sept*: 92(3): 405-10, 1993
6. Cangiarella J, **Thomas PA**, Genieser NB, and Greco MA: Pancreatitis due to anomalous junction of the pancreaticobiliary ductal system. *Ped Pathol* 13:853-861, 1993.
7. Raab SS, **Thomas PA**, Cohen MB. Fine needle aspiration biopsy (FNAB) of salivary gland mycoses. *Diagn Cytopathol* 11(3): 286-290, 1994.
8. **Thomas PA**, Anderson V, Mahnovski V, Kahn EI, Magid M, Cho S, Morecki R, Greco MA. Infections and the spleen in children with the acquired immunodeficiency syndrome: A possible morphologic model for functional asplenia. *Cell Vision: Journal of Analytical Morphology* 1(3): 208-217, 1994.
9. Niemann TH, **Thomas PA**. Primary lymphoma of bone: Diagnosis by fine needle aspiration biopsy in a pediatric patients. *Diagn Cytopathol* 12:165-167, 1995.
10. Raab SS, Silverman JF, Elsheikh TM, **Thomas PA**, Wakely PE. Pediatric thyroid nodules: disease demographics and efficacy as determined by fine needle aspiration biopsy. *Pediatrics* 95: 46-49, 1995.
11. **Thomas PA**, Cangiarella J, Raab SS, Waisman J. Fine needle aspiration diagnosis of proliferative breast disease: Cytomorphologic features and likelihood ratios. *Mod Pathol* 8:130-136, 1995.
12. Niemann TH, **Thomas PA**. Melanoma with signet ring cells in a peritoneal effusion. *Diagn Cytopathol* 12L241-244, 1995.
13. Raab SS, **Thomas PA**, Cohen MB. Decision analysis in cytopathology. *Diagn Cytopathol* 12:334-340, 1995.
14. Raab SS, **Thomas PA**, Lenel JC, Bottles K, Fitzsimmons KM, Zaleski MS, Wittchow RJ, McPhaul LW, Slagel DD, Cohen MB. Pathology and probability: Likelihood ratios and receiver operating curves in the interpretation of bronchial brush specimens. *Am J Clin Pathol* 103:588-593, 1995.
15. Donnelly AD, Ferguson DJ, **Thomas PA**, Raab SS. Polymorphous cell populations in lymph node FNAB. *Am Soc Clin Pathol Cytol* 23:61-73, 1995.
16. Donnelly A, Hendricks G, Martens S, Strovers C, Wiemerslage S, **Thomas PA**. Cytologic diagnosis of cat scratch disease (CSD) by fine needle aspiration. *Diagn Cytopathol* 13:103-106. 1995.

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17. Raab SS, Isacson C, Lenel JC, Slagel DD, **Thomas PA**. Atypical glandular cells of undetermined significance. Cytologic criteria to separate clinically significant from benign lesions. *Am J Clin Pathol* 104:473-582, 1995.
18. Zakowski MF, Finfer M, **Thomas P**, Feiner H, Wollner N, Filippa DA. The Cytology of extranodal Ki-1 anaplastic large cell lymphoma. *Diagn Cytopathol* 14: 155-161, 1996.
19. Hughes JH, Niemann TH, **Thomas PA**. Multicystic nephroma: Report of a case with fine-needle aspiration findings. *Diagn Cytopathol* 14:60-63, 1996.
20. **Thomas PA**, Zaleski S, Raab SS, Ohlhausen WW, Benda JA. Cytomorphologic characteristics of endocervical brush specimens following loop electrosurgical excision procedure (LEEP). *Diagn Cytopathol*, 14: 21-215, 1996
21. Saperstein AL, Lusskin R, Doniguian AE, **Thomas PA**, Battista AF. Malignant granular cell tumor mimicking herniated nucleus pulposus: Report of a case with electron microscopy and magnetic resonance imaging studies and review of the literature. *Clinical Orthopaedics*, 324: 244-250. 1996.
22. **Thomas PA**, Zaleski MS, Benda JA, Raab SS. Loop electrosurgical excision procedure (LEEP) artifact. *Am Soc Clin Pathol*. 7:33-45, 1996.
23. **Thomas PA**, Durbin J, Langston C, Jaghidar J, Raab SS, Greco MA. Growth fraction determination in pulmonary hypoplasia using Ki-67 (MIB). *Ped Path Lab Med* 16:745-753, 1996.
24. Durbin J, **Thomas PA**, Langston C, Goswami S, Greco MA. Gastrin-releasing (GRO) expression in hypoplastic lungs. *Ped path Lab Med* 16:927-934. 1996
25. Raab SS, Zaleski MS, **Thomas PA**, Niemann T, Ferguson DJ, Isacson C, Jensen CS. Telecytology: Diagnostic accuracy in cervical vaginal smears. *Am J Clin Pathol*, 105: 599-603, 1996.
26. Raab SS, **Thomas PA**. Cytologic typing of lung cancer. *Am Soc Clin Pathol*, 7:49-63, 1996.
27. Raab SS, Xuan LV, Trung NS, Thai NV, Suba EJ, Cohen MB, **Thomas PA**, Hung NC. Breast fine-needle aspiration in the Socialist Republic of Vietnam: First-year experience in the Ho Chi Minh City Cancer Center. *Breast J* 2: 1-5, 1996.
28. **Thomas PA**, Sub-committee member, Subcommittee II, FNAB techniques, smear preparations, training, and NCI sponsored conference report. The uniform approach to breast fine needle aspiration biopsy: A synopsis. *Acta Cytological* 40:1120-1126, 1996.
29. McCray PB, Want G, Bentley L, Davidson BL, **Thomas P**. Proliferation indices of pulmonary epithelia during human and ovine lung development: Gene transfer targets for integrating vectors. *Cell Vision* 4:42-49, 1996.

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30. **Thomas PA**, Raab SS. Fine needle aspiration biopsy (FNAB) cytology of atypical ductal hyperplasia. *Path Case Rev.* 1:12-16,1996
31. **Thomas PA**, Raab SS. The utility of fine needle aspiration biopsy (FNAB) in the separation of primary from metastatic lung neoplasm. *Am Soc Clin Pathol CII97-1:* 1-17, 1997.
32. Raab SS, Snider TE, Potts SA, McDaniel HG, Robinson RA, Nelson DL, Sigman JD, **Thomas PA**. Atypical glandular cells of undetermined significance: Diagnostic accuracy and interobserver variability using select cytologic criteria. *Am J Clin Pathol* 107:299-307, 1997.
33. **Thomas PA**, Raab SS. The Utility of fine needle aspiration biopsy (FNAB) in the separation of primary from metastatic lung neoplasms. *ASCP* 25:1-17, 1997.
34. Potts SA, **Thomas PA**, Cohen MB, Raab SS. Upper urinary tract cytology: Diagnostic accuracy and key cytologic features of transitional cell carcinomas. *Mod. Pathol* 10:657-662, 1997.
35. Raab SS, Robinson RA, Snider TE, McDaniel HL, Sigman JD, Leigh CH, **Thomas PA**. Telepathology variability on a difficult case consultation service: Utility, diagnostic accuracy and interobserver. *Mod Pathol* 10:630-735, 1997.
36. Niemann TH, Ferguson DJ, Raab SS, **Thomas PA**. Fine needle aspiration biopsy findings in congenital hepatic fibrosis. A Case Report. *Acta Cytol* 41:529-532, 1997.
37. Raab SS, Slagel DD, Hughes JH, **Thomas PA**, Silverman JF. Sensitivity and cost effectiveness of fine needle aspiration with immunocytochemistry in the evaluation of patients with a pulmonary malignancy and a history of cancer. *Archives of Pathology & Laboratory Medicine* 121:695-700, 1997.
38. Press MF, Berstein L, **Thomas PA**, Meisner LF, Zhou J-Y Ma Y, Hung G, Robinson RA, Harris C, El-Naggar A, Slamon DJ, Phillips RN, Wolman ST, Flom KJ. Her-2/*new* amplification characterized by fluorescence *in situ* hybridization: Poor prognosis in node-negative breast carcinomas. *Journal of Clinical Oncology* 15:2894-904, 1997.
39. **Thomas, PA**. Postprocedural Pap Smears: A LEEP of Faith? *Diagn Cyto* 17:440-446, 1997.
40. **Thomas PA**, Ozkutlu D, Pou B, Tyler D, Oberley LW, Robinson RA, and Lenel JC. Immunohistochemical Characterization of Antioxidant Enzymes in Human Breast Cancer. *Pathology Oncology Research* 3:278-286, 1997.
41. Zaleski MS, **Thomas PA**, Lenel JC, Raab SS. Telecytology: Diagnostic accuracy with comparison to light microscopy in the bronchial brush specimen. *J Surg Pathol*, 3: 67-72, 1998.

Patricia A. Thomas, MD, MA, FCAP, FASCP

42. **Thomas PA**, Raab SS, Lannin DR, Slagel D, Silverman JF. Racial Differences in Breast Cancer: Morphologic and Biologic Characterization of Invasive Breast Cancer in African-American and Caucasian Women. *Breast Journal*. 4:1-7, 1998.
43. Wang G, Williamson, Mueller G, **Thomas P**, Davidson BL, McCray PB. Ultrasound-Guided Gene Transfer to Hepatocytes in Utero. *Fetal Diagn Ther*, 689, 1998.
44. Grover-McKay M, Walsh SA, Seftor EA, **Thomas PA**, Hendrix MJC. Role for Glucose Transporter 1 Protein in Human Breast Cancer. *Path Onc. Res.* 4:115-120, 1998.
45. Wang G, Slepishkin VA, Bodner M, Zabner J, Van Ex HHG, **Thomas PA**, Jolly DJ, Davidson BL, McCray PB. Keratinocyte Growth Factor Induced Epithelial Proliferation Facilitates Retroviral-mediated Gene Transfer to Pulmonary Epithelia *In Viva*. *J. Gene Medicine*, 1999.
46. Kirby PA, Ellison WA, **Thomas PA**. Spindle epithelial tumor with thymus-like differentiation (SETTLE) of the thyroid with prominent mitotic activity and focal necrosis. *Am J Surg Pathol* 23: 712-716. 1999.
47. **Thomas PA**, Kirschmann DA, Cerhan JR, Folberg R, Seftor EA, Sellers, TA, and Hendrix MJC. Association between Keratin and Vimentin Expression, Malignant Phenotype and Survival in Postmenopausal Breast Cancer Patients. *Clin Can Res* 5:2698-2703, 1999.
48. Nothnick WB, Fan F, Iczkowski KA, Ashwell R, **Thomas P**, Tawfik OW. CD44s Expression is reduced in Endometriotic Lesions Compared to Eutopic Endometrium in Women with Endometriosis. *Int. J Gynecological Pathology* 20: 140-146, 2001
49. Tawfik OW, Kimler BF, Davis M, Donahue JK, Persons DL, Fan F, Hagemeister S. **Thomas P**, Connor C, Jewell W, Fabian CJ. Comparison of immunohistochemistry by automated cellular imaging system (ACIS) versus fluorescence in-situ hybridization in the evaluation of HER-2/neu expression in primary breast carcinoma. *Histopathology* 2006 Feb;48(3):258-67
50. Fan F, Namiq A, Tawfik O, **Thomas PA**. Proposed prognostic score for breast carcinoma on fine needle aspiration based on nuclear grade, cellular discohesion and bare atypical nuclei. *Diagn. Cytopath.* 2006 34(8):542-546.
51. Tawfik O, Kimler B, Davis M, Stasik C, Lai Sue-Min, Mayo M, Fan F, Donahue J, Damjanov I, **Thomas P**, Connor C, Jewell W, Smith H, Fabian C. Grading invasive ductal carcinoma of the breast: Advantages of using automated proliferation index instead of mitotic count. *Virchows Archiv* 2007 Jun; 450 (6): 627-36.
52. Liu X, Inciardi M, Bradley J, Fan F, **Thomas P**, Smith W, Tawfik O. Microcalcifications of the Breast: Size Matters! A mammographic-histologic correlation. *Pathologica*.99 (2), 2007.
53. Fan F, Smith W, Wang X, Jewell W, **Thomas PA**, Tawfik O. Myoepithelial carcinoma of the breast arising in an adenomyoepithelioma: a case report and review of the literature. *Breast J* 13:203-204, 2007

54. Stevens E, Kilmer E, Davis M, Fan F, **Thomas P**, Wang X, Damjanov I, Tawfik O. A newly proposed semi-automated method of grading Invasive lobular carcinoma: a unifying concept and correlation with prognostic markers and patient survival. *Annals of Clinical & Laboratory Science* 39, (1): 25-31, 2009
55. Fan F, Smith, W, Wang XY, Jewel W , **Thomas PA**, Tawfik, O. Angiosarcoma of the breast: a clinicopathologic analysis of cases from the last 10 years. *Ann Diagn Pathol.* 2009 Jun;13(3):147-50. Epub 2009 Apr 1.

Manuscripts in non-peer reviewed journals:

1. **Thomas PA.** The Successful minority medical student applicant in the New Millennium. *Keepsake 2000, A guide for Minority Science Students* 8: 32-34, 2000.
2. **Thomas, PA.** Ethnic Differences in Osteoporosis*, *J. Am. Acad. Orthopaedic Surgeons* 2007;15 (suppl 1): S26-S30

* Selected for Press Release

Other Publications (not peer reviewed):

Letters (Invited/Responses)

1. Thomas PA. *Comprehensive Cytopathology.* Editor: Bibbo M. Saunders WB, Philadelphia, PA. *Diagn Cytopathol*, Volume 8(6): 1, 1992.

Book Reviews (invited):

1. Thomas PA. *Comprehensive Cytopathology.* Editor: Bibbo M. Saunders WB, Philadelphia, PA *Diagn Cytopathol*, Volume 8(6): 1, 1992.
2. Thomas PA. Thin needle aspiration biopsy by Britt-Marie Ljung. *Diagn Cytopathol* 11 (1): 303, 1994.
3. Thomas PA. Fine needle aspiration technique: International Institute for Applied Cytoscience, by Heinz Grohs. *Diagn Cytopathol* 11(1): 303, 1994.
4. Thomas PA. *Guides to Clinical Aspiration Biopsy, Diagnostic Immunocytochemistry and Electron Microscopy.* Author: Hossein M. Yazdi and Irving Dardick, Igaku-Shoin, New York 1993. *Diagn Cytopathol* 10 (4): 388, 1994.
5. Thomas PA, *Diagnostic Cytopathology.* Winifred Gray editor. Churchill Livingstone Press. New York. 1995. *Diagn Cytopathol* 17(2): 165, 1997.

Patricia A. Thomas, MD, MA, FCAP, FASCP

6. Thomas PA. 1996 Cytopathology Annual reviews. ASCP Press. Mod Path.
7. Thomas PA. Mod Path 2004, 17:1581.

Books and Book Chapters:

1. **Thomas PA**, Greco MA, Anderson V. (chapter 10) "The Spleen" in Synopsis of AIDS Pathology in Children for AFIP fascicle, 1997.
2. Fan F and **Thomas PA** (Chapter 7), "The Breast", in Atlas of Cytopathology, Atkinson, BF, editor.
3. Fan F, **Thomas P.** (Chapter 6)"The Breast", Ivan Damjanov and Fang Fan (Ed.). Cancer Grading Manual, New York, Springer-Verlag. 2006

Manual:

1. "Aspiration of Palpable Breast Lesions" and "Applied Immunocytochemistry" in Manual of Applied Aspiration Cytology, M. Vazquez, editor. Prepared for New York State Society of Pathologist XXII annual Continuing Education Institute, 1991.

Published Abstracts:

1. **Thomas PA**, Vazquez MF, Waisman J. Comparison of fine needle aspiration and frozen section for the diagnosis of palpable mammary tumors. Acta Cytol 32:782, 1998.
2. **Thomas PA**, Greco MA, Kahn E, Mahnovski V, Cho S, Morecki R, Anderson V. Infections and the spleen in children with the acquired immunodeficiency syndrome: A possible morphologic model for functional asplenia. Mod Pathol 2:8P, 1989.
3. **Thomas PA**, Rotterdam H. Usefulness of EVG stains in the detection of blood vessel invasion in colon cancer. Mod Pathol 2:95A, 1989.
4. Greco MA, **Thomas PA**, Mahnovski V, Kahn E, Anderson V. Thymic pathology in pediatric AIDS. Fifth International Conference in AIDS, 1989.
5. **Thomas PA**, Greco MA, Kahn E, Magid M, Mahnovski V, Anderson V. Immunocompetent cells in livers of children with AIDS. Fifth International Conference on AIDS, 1989.
6. **Thomas PA**, Opitz L, Feiner H, Vazquez M. Preoperative determination of growth fraction in mammary carcinoma. Mod Pathol 3:99A, 1990.
7. Cao Y, Huang Y, Friedman-Kien A, Mirabile M, Li J, Mondgil T, Dieterich D, **Thomas P**, Ho D. Detection of HIV-1 proviral sequences in liver cells using polymerase chain reaction. UCLA Symposium on HIV and AIDS pathogenesis, therapy and vaccine, 1990.
8. Cao Y, Huang Y, Mondgil T, Friedman-Kien A, Mirabile M, Dieterich D, **Thomas P**, Ho D. Detection of HIV in the liver of AIDS patients. Sixth International conference on AIDS, 1990.

9. Hobar C, Schreiber J, McCarthy J, **Thomas P**. Bone regeneration in the immature animal: The effects of agining dura and periosteium. Plastic Surgery Research Council, 1990.
10. Miles RJ, Persky MS, **Thomas PA**, Waisman J, Cohen NL, Blum M. Introperative fine needle aspiration of thyriod nodules. Third International Conference on Health and Neck Cancer, San Francisco, July 1992.
11. **Thomas P**, Cangiarella J, Waisman J. Is the aspiration diagnosis of proliferative disease of breast meaningful? *Acto Cytol* 36:641, 1992.
12. Durbin J, **Thomas P**, Langston C, Goswami S and Greco MA. Gastrin-releasing peptide (GRp) expressions in hypoplastic lungs. *Mod Pathol* 6:3P, 1993.
13. **Thomas PA**, Zaleski S, Ohlhausen WW, Benda JA. Cytomorphologic characteristics of thermal injury related to endocervical brushing following loop diathermy cone biopsy. *Acta Cytol* 37:775. 1993.
14. **Thomas PA**, Zaleski S. Benda JA, and OHLHAUSEN WW: Comparison of post-LEEP endocervical brushing with cone biopsy disgnoses. *Acta Cytol* 37:775, 1993.
15. Raab S, **Thomas PA**, Bottles K. Fine needle aspiration biopsy (FNAB) of salivary gland mycoses. *Acta Cytol* 37:802, 1993.
16. Donnelly A, Hendricks G, Martens S, Strovers C, Wiemerslage S, **Thomas PA**. Cytologic diagnosis of Cat Scratch Disease (CSD) by fine needle aspiration. *Acta Cytol* 37:820, 1993.
17. **Thomas PA**, Durbin J, Langston C, Jaghidar J, Raab SS, Greco MA. Growth Fraction determination in pulmonary hypoplasia using Ki-67 (MIB 1). *Mod Pathol* 7:10P, 1994.
18. Ferguson DJ, Raab SS, **Thomas PA**. Clinical utility of fine needle aspiration biopsy (FNAB) in the diagnosis of malignant lymphoma (ML) in patients without a prior histoy of malignant lymphoma. *Mod Pathol* 7L35A, 1994.
19. **Thomas PA**, Raab SS, Lannin D, Silverman JF. Comparison of breast carcinoma nuclear grades and histologic types between African-American and Caucasian women by fine needle aspiration biopsy. *Acta Cytol* 38(5): 864, 1994.
20. **Thomas PA**, Raab SS, Ferguson DJ. Cost comparison of fine-needle aspiration biopsy (FNAB) and surgical excision in the work-up of superficial lymphadenopathy. *Acta Cytol* 38(5): 867, 1994.
21. Zaleski MS, Ferguson DJ, Niemann T, **Thomas PA**, Raab SS. Telecytology: Diagnostic accuracy with comparison to light microscopy in the bronchial brush specimen. *Acta Cytol* 38(5): 830, 1994.

Patricia A. Thomas, MD, MA, FCAP, FASCP

22. Slagel DD, **Thomas PA**, Cohen MB, Raab SS. Cytopathology of large cell neuroendocrine of the lung. *Acta Cytol* 38(5): 834, 1994.
23. Hughes J, **Thomas PA**, Callaghan E, Raab SS. Utility of fine needle aspiration biopsy (FNAB) for the separation of primary from metastatic neoplasm. *Acta Cytol* 38(5): 840, 1994.
24. Jones MM, Vivado AK, **Thomas PA**, Waldschmidt TJ. Anti-IL5 antibody ablates the eosinophilia induced by L-Tryptophan administration in mice, 1954 58th annual Scientific Meeting in Minneapolis.
25. Bissing M, DeJong S, **Thomas P**, Spencer K, McKay CR. Identification of eccentric lesions and lipid-laden plaques by IVUS: Validation by quantitative histology in fresh cadaveric hearts. *Circulation* 90:I-551, 1994.
26. Raab SS, **Thomas PA**, Lenel JC, Zaleski MS, Wittchow RJ, Fitzsimmons KM, McPhaul LW, Bottles K, Slagel DD, Cohen MB. Cytology and probability: Likelihood ratios and receiver operating characteristics curves in interpretation of bronchial brush specimens. *Acta Cytol* 38(5): 845, 1994.
27. Gape CJ, Raab SS, Benda JA, **Thomas PA**. Basic fibroblastic growth factor in early stage, non-palpable breast cancer. *Mod Pathol* 8:138A, 1995.
28. Jensen CS, Zaleski MS, **Thomas PA**, Raab SS. Telecytology: Diagnostic accuracy in cervical-vaginal smears with comparison to conventional light microscopy. *Mod Pathol* 8:41A, 1995.
29. Jensen CS, Donnelly AD, Silverman JF, Geisinger KR, **Thomas PA**, Raab SS. The role of fine needle aspiration cytology in the work-up of metastatic clear cell tumors. *Mod Pathol* 8:41A, 1995.
30. Linzie BM, Lenel JC, **Thomas PA**, Raab SS. Fine needle aspiration of follicular thyroid lesions: Logistic regression analysis to separate adenoma, carcinoma and goiter. *Mod Pathol* 8:42A, 1995.
31. Ozkutlu D, Raab SS, Level JC, **Thomas PA**. Selection of key cytology criteria to separate proliferative breast disease from carcinoma in breast fine needle aspiration using logistic regression analysis. *Mod Pathol* 8:43A, 1995.
32. Raab SS, Isacson C, Lenel JC, Layfield L, **Thomas PA**. Atypical glandular cells of undetermined significance: Cytologic criteria to separate dysplastic-neoplastic from benign lesions. *Mod Pathol* 8:43A, 1995.
33. Raab SS, **Thomas PA**, Hornberger JC. The role of sputa in the evaluation of lung lesions: a decision analysis. *Acta Cytol* 39:1064, 1995.
34. Thai NV, Hung NC, Xuan LV, Suba EJ, Cohen MB, **Thomas PA**, Raab SS. Breast fine needle aspiration (FNA) in Vietnam: first year experience in the Ho Chi Minh Cancer Center (HCMCC). *Acta Cytol* 39:1014, 1995.

35. **Thomas PA**, Wiemerslage SJ, Mitros FA, Raab SS. Filamentous bacteria in esophageal brush specimens: esophageal "leptothrix" as an indicator of malignancy? *Acta Cytol* 39:1060, 1995.
36. Donnelly AD, Raab SS, **Thomas PA**. Application of flow cytometry (FCM) to fine needle aspiration biopsy (FNAB) diagnosis of lymphomas: a one-year experience. *Acta Cytol* 39:1049, 1995.
37. Hai LQ, Suba EJ, Cohen MB, **Thomas PA**, Raab SS. Hepatic fine needle aspiration (FNA) in Hanoi, Viet Nam: Performance without radiologic guidance. *Acta Cytol* 39:1032, 1995.
38. Potts SA, **Thomas PA**, Cohen MB, Raab SS. Upper urinary tract cytology: diagnostic accuracy and key cytologic features of transitional cell carcinoma (TCC). *Mod Pathol*, 9:36A, 1996.
39. Slagel DD, Hughes JH, Silverman JF, **Thomas PA**, Raab SS. Cost effectiveness of pulmonary fine needle aspiration (FNA) and immunocytochemistry (ICC) in the work-up of patients with a lung malignancy and a history of cancer. *Mod Pathol*, 9:38A, 1996.
40. Snider TE, **Thomas PA**, Potts SA, Robinson RA, McDaniel HL, Nelson DL, Raab SS. Atypical glandular cells of undetermined significance (AGUS): Diagnostic accuracy and interobserver variability using select criteria. *Mod Pathol*, 9:38A, 1996.
41. Nelson DK, Potts SA, Bromley C, Pou B, Raab SS. **Thomas PA**. Comparison of Her-2/neu amplification using fluorescent in situ hybridization (FISH) with immunohistochemically determined overexpression in breast cancers. *Mod Pathol*, 9:21A, 1996.
42. **Thomas PA**, Ozkutlu D, Tyler D, Robinson RA, Oberley LW, Raab SS. Immunohistochemical (IC) characterization of antioxidant enzymes in human breast cancers. *Mod Pathol*, 9:149A.
43. **Thomas PA**, Ozkutlu D, Tyler D, Robinson RA, Oberley LW, Raab SS. Antioxidant enzyme immunostaining (IS) in breast cancer: Correlation with prognostic indicators (PIs). *Mod Pathol*, 9:26A.
44. Woltman ML, **Thomas PA**, Robinson RA, Jensen CS, Ozkutlu D, O'Reilly PO, Savell VH, Raab SS. Mucinous tumors of the ovary: Interobserver variability and cost-benefit of sectioning protocols. *Mod Pathol*, 9:166A, 1996.
45. Raab SS, Hornberger J, **Thomas PA**. Pathologic Testing from the patient's perspective: Determination of the optimal test by assessment of patient satisfaction in the evaluation of lung masses. *Mod Pathol*, 9:166A, 1996.
46. Raab SS, Hornberger J, **Thomas PA**. Pathologic testing from the patient's perspective: Determination of the optimal test by assessment of patient satisfaction in the evaluation of lung masses. *Mod Pathol*, 9: 166A, 1996.

47. Nelson GM, **Thomas PA**, Raab SS. The utility of endocervical curettage with concurrent Papanicolaou smear in the Evaluation of Patients with a Previous Papanicolaou Smear Abnormality. *Acta Cytol*, 40: 1036, 1996.
48. Imlay SP, **Thomas PA**, Cohen MB and Raab SS. The Separation of Adenocarcinoma from Mesothelioma in Pleural Fluid Using Immunocytochemistry and Electron Microscopy: A Cost Benefit Analysis, *Acta Cytol*, 40: 1056, 1996.
49. Sigman JD, Raab SS, **Thomas PA**. Salivary Gland Fine Needle Aspiration: Neoplastic and Inflammatory Disease Incidence and Effect on Patient Management. *Acta Cytol* 40: 1071, 1996.
50. McCray PB, Wang G, Kline JN, Jolly DJ, Chang SMW, Simonet WS, Ulrich TR, **Thomas PA**, Davidson BL. Growth factor induced epithelial proliferation facilitates retroviral-mediated gene transfer to pulmonary epithelia. *Molecular and Cellular Biology of Gene Therapy* 51:330, 1997.
51. Ren Y, Means M, Tawfik O, **Thomas PA**. Kansas University Medical Center (KUMC) Experience with Atypical Squamous Cells of Undetermined Significance (ASCUS), Favor Reactive Vs. Favor Dysplasia Rates: Comparison of ThinPrep and Conventional Pap Smears. *Acta Cytol.*, 1999
52. Liu D, Means M, Tawfik O, **Thomas PA**. Cerebral Spinal Fluid (CSF) Cytology Using ThinPrep Preparation: Comparison with Cytospin. *Acta Cyto.*, 1999
53. Fan F, Tawfik O, Iczkowski K, Nothnick W, **Thomas P**. Altered CD44 expression in patients with endometriosis. *Am J Clin Pathol.*, 1999
54. Lentricchia B, Cohenford M, Hecht S, Coffman E, **Thomas P**. Detection of Chlamydia trachomatis and Neisseria gonorrhoea from residual ThinPrep specimens using an extraction method and rapid thermal cycling with real time PCR testing. 2001
55. Fan F, Ren Y, Tawfik O, **Thomas PA**. The value of differential and coordinate Expression of Cytokeratins 7 and 20 in the evaluation of metastatic carcinoma of unknown origin in ThinPrep cytology. *Acta Cytol* 45 (5):880, 2001
56. Fan F, Namiq A, **Thomas P**. Combination of nuclear grade, cellular discohesion and bare atypical nuclei as one cytopredictive score in fine needle aspiration of breast carcinoma. *Acta Cytol* 46 (5): 985, 2002
57. Namiq A, Fan F, Tawfik O, **Thomas P**. Axillary lymph node dissection after positive sentinel lymph node biopsy for metastatic breast carcinoma. *Modern Pathology* 17(1): 168.
58. Tawfik O, Fan F, Davis M, Damjanov I, **Thomas P**, Kimler B. A new semi-automated method of grading breast carcinoma based on a multivariate analysis of 527 cases. *Modern Pathology* 17(1): 201.
59. Donahue JK, Fan F, Jafri S, Tawfik O, **Thomas, P**. (2003) Endoscopic ultrasound-guided fine needle aspiration biopsy: experience in our institution. *Acta Cytol* 47(5): 922, 2003

60. Fan F, Tawfik O, Namiq A, Davis M, Connor C, Jewell W, **Thomas P.** (2003) Comparison of prognostic markers in primary breast carcinomas and in their respective axillary lymph node metastases. *Modern Pathology* 16(1): 112A.
61. Namiq A, Fan F, **Thomas, P**, Tawfik, O, Atkinson B. Suspicious lesions in fine needle aspiration (FNA) of thyroid: can we be more specific? *Acta Cytol* 48: 8(5):735, 2004
62. Vancura RW, Fan F, Namiq A, Tawfik O, **Thomas PA.** (2005) Histologic and biomarker assessment of residual breast carcinoma in surgical specimens after neoadjuvant chemotherapy. *Modern Pathology* 18 (1): 234.
63. Namiq AL, Tawfik OW, Fan F, **Thomas PA.** (2005) Expression of p27 in primary versus metastatic breast carcinomas: its prognostic significance and relation to other prognostic markers. *Modern Pathology* 18 (1): 195.
64. Tawfik OW, Davis M, Lai SM, Fan F, Donahue J, **Thomas PA.** (2005) The value of digital microscopy in enhancing accuracy and reliability in grading breast carcinomas. The newly proposed grading system and its correlation with patients' survival. *Modern Pathology* 18 (1): 229.
65. Namiq AL, Fan F, Tawfik O, **Thomas PA.** Immunohistochemical stain (AE1/AE3) on negative sentinel lymph nodes: is it worth the trouble? *Mod Path* 19 (1):155, 2006
66. Tawfik O, Davis MK, Clark J, Fan F, Damjanov I, Namiw AL, **Thomas PA**, Kimler BF. A newly proposed semi-automated method of grading ductal carcinoma in situ of the breast. *Mod Path* 19 (1):187, 2006
67. Lux X, Inciardi M, Fan F, Thomas P, Smith W, Tawfik O, Microcalcifications of the breast – size matters: a mammographic-histologic correlation study. *Arch Pathol Lab Med* 2006, 130: 1366
68. Giao X, Khan Q, Davis M, Connor C, Tawfik OW, **Thomas PA**, Fan F. Assessment of histologic features and biomarkers of breast carcinoma associated with pathologic complete response to neoadjuvant chemotherapy. *Mod Path* 20 (2):124, 2007
69. Carmichael B, Fan F, Danley M, Tawfik OW, **Thomas PA.** diagnostic utility of ProEx™ C in evaluating cervical biopsy specimens for high-grade dysplasia. *Mod Pad* 20 (2):872, 2007
70. Hamidpour S, Davis M, Kimler BF, Hull S, Fan F, Khan QJ, Sharma P, Connor C, Lai SM, Fabian CJ, **Thomas P**, Jewell WR, Tawfik O. Histopathological and clinical characterization of “triple-negative” invasive mammary carcinomas. *Mod Path* 20 (2):135, 2007
71. Wang X, Kimler BF, Davis MK, Fan F, **Thomas PA**, Tawfik O. A new proposed semi-automated method of grading invasive lobular carcinoma. A unifying concept and correlation with prognostic markers and patient survival *Mod Path* 20(2):222, 2007

Poster Presentations at National/Regional meetings:

- 2007 96th Annual Meeting of the United States and Canadian Academy of Pathology, March 2007. Wang X, Kimler BF, Davis MK, Fan F, **Thomas P**, Tawfik O. A newly proposed semi-automated method of grading invasive lobular carcinoma. A unifying concept and correlation with prognostic marker sand patient survival.
- 2007 96th Annual Meeting of the United States and Canadian Academy of Pathology, March 2007. Hamidpour S, Davis M, Kimler BF, Hull S, Fan F, Khan QJ, Sharma P, Connor C, Lai SM, Fabian CJ, **Thomas P**, Jewell WR, Tawfik O. Histopathological and clinical characterization of “triple-negative” invasive mammary carcinomas.
- 2007 96th Annual Meeting of the United States and Canadian Academy of Pathology, March 2007. Carmichael B, Fan F, Danley M, Tawfik OW, **Thomas PA**. diagnostic utility of PrEx TMC in evaluating cervical biopsy specimens for high-grade dysplasia.
- 2007 96th Annual Meeting of the United States and Canadian Academy of Pathology, March 2007. Gao X, Khan Q, Davis M, Connor C, Tawfik OW, **Thomas PA**, Fan F. Assessment of histologic features and biomarkers of breast carcinoma associated with pathologic complete response to neoadjuvant chemotherapy.
- 2006 54th Annual Meeting American Society of Cytopathology, November 2006, Toronto, Canada. Hernandez P, Romanas M, Olyae M, Tawfik O, **Thomas PA**, Fan F. Utilization of endoscopic ultrasound guided fine needle aspiration (EUS-FNA) as a lymph node staging tool for carcinomas.
- 2006 College of American Pathologists, September 2006, San Diego, California. Liu S, Inciardi M, Fan F, **Thomas P**, Smith W, Tawfik O. Microcalcifications of the breast-size matters: a mammographic-histologic correlation study.
- 2006 College of American Pathologists, September 2006, San Diego, California. Wang X, Fan F, Davis MK, Tawfik O, **Thomas PA**. Angiosarcoma of the breast: a clinicopathologic analysis of cases in our instution from the last 10 years.
- 2006 95th Annual Meeting of the United States and Canadian Academy of Pathology, March 2006, Atlanta, Georgia. Tawfik O, Davis MK, Clark J, Fan F, Damjanov I, Namiq AL, **Thomas, PA**, Kimler BF. A newly proposed semi-automated method of grading ductal carcinoma in situ of the breast.
- 2006 95th Annual Meeting of the United States and Canadian Academy of Pathology, March 2006, Atlanta, Georgia. Namiq AL, Fan F, Tawfik O, **Thomas PA**. Immunohistochemical stain (AE1/AE3) on negative sentinel lymph nodes: is it worth the trouble?
- 2005 94th Annual Meeting of the United States and Canadian Academy of Pathology, March 2005, San Antonio, Texas. Tawfik OW, Davis M, Lai SM, Fan F, **Thomas PA**. The value of digital microscopy in enhancing accuracy and reliability in grading breast carcinomas. The newly proposed grading system and its correlation with patients’ survival.
- 2005 94th Annual Meeting of the United States and Canadian Academy of Pathology, March 2005, San Antonio, Texas. Namiq AI, Tawfik OW , Fan F, **Thomas PA**. Expressions of p27 in primary versus metastatic breast carcinomas: its prognostic significance and relation to other prognostic markers.

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- 2005 94th Annual Meeting of the United States and Canadian Academy of Pathology, March 2005, San Antonio, Texas. Vancura RW, Fan F, Connor C, Namiq A, **Thomas PA**, Tawfik O. Histologic and biomarkers assessment of residual breast carcinoma in surgical specimens after neoadjuvant chemotherapy.
- 2004 52nd Annual American Society of Cytopathology annual meeting, 2004, Namiq, A, Fan F, **Thomas, P**, Tawfik O, Atkinson B. Suspicious lesions in fine needle aspiration (FNA) of thyroid: can we be more specific?
- 2004 American Academy of Dermatology, July 28-August 1, 2004, NY, NY Haque M. Tawfik O, Damjanov I, **Thomas P**. Eating Disorders and Their Cutaneous Manifestations as a Diagnostic Tool.
- 2004 American College of Preventive Medicine, Feb 18-22, 2004, Orlando, Florida Haque M, Tawfik O, **Thomas P**, Preventive Medicine Practices and Sun Protection Education Among Primary Care Physicians.
- 2004 93rd Annual Meeting of the United States and Canadian Academy of Pathology, March 2004, Vancouver, Canada. Tawfik O, Fan F, Davis M, Damjanov I, **Thomas P**, Kimler B. A new semi-automated method of grading breast carcinoma based on multivariant analysis of 527 cases.
- 2004 93rd Annual Meeting of the United States and Canadian Academy of Pathology, March 2004, Vancouver, Canada. Namiq A, Fan F, Tawfik O, **Thomas P**. Axillary lymph node dissection after positive sentinel lymph node biopsy for metastatic breast carcinoma.
- 2004 American Association for Advancement of Science, Feb 12-16, 2004, Seattle, Washington Haque, M., Tawfik, O., **Thomas P**., Strategic Challenges in Sun Protection Education to Optimally Target Distinct Patient Populations.
- 2003 92nd Annual Meeting of the United States and Canadian Academy of Pathology, Washington, DC. Fan, F., Tawfik, O., Namiq, A., Davis, M., Connor, C., Jewell, W., **Thomas, P**. Comparison of prognostic markers in primary breast carcinomas and in their respective axillary lymph node metastases.
- 2003 51st Annual Meeting of the American Society of Cytopathology, November 2003, Orlando Florida. Donahue JK, Fan F, Jafri S, Tawfik O, **Thomas P**. Endoscopic ultrasound-guided fine needle aspiration biopsy: experience in our institution.
- 2002 50th Annual Meeting of the American Society of Cytopathology, Salt Lake City, Utah. Fan, F., Namiq, A., **Thomas, P**. Combination of nuclear grade, cellular discohesion and bare atypical nuclei as one cytopredictive score in fine needle aspiration of breast carcinoma.
- 2001 49th American Society of Cytopathology annual meeting, Kansas City, Kansas. Fan, F., Ren, Y., Tawfik, O., **Thomas, P**. (2001) The value of differential and coordinate expression of cytokeratins 7 and 20 in the evaluation of metastatic carcinoma of unknown origin in ThinPrep cytology.
- 2000 48th American Society of Cytopathology annual meeting, Lu D, **Thomas P**, Tawfik O. Cerebral spinal fluid cytology using ThinPrep preparations: comparison with cytopsin. November 2000
- 2000 AMSA's 2000 Research Poster Session sponsored by AAMC, NHSC, and NIH, March 15-19, 2000, Washington DC. Haque, M. SantaCruz, K. **Thomas P**., Overcoming Cultural Barriers in Health Care Screening and Prevention: A Multidisciplinary Service Learning Program in a Rural African-American Community.

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- 1999 47th Annual American Society of Cytopathology. Ren Y. Means M, Tawfik, O. **Thomas PA.** Kansas University Medical Center (KUMC) Experience with Atypical Squamous Cells of Undetermined Significance (ASCUS), Favor Reactive Vs. Favor Dysplasia Rates: Comparison of ThinPrep and Conventional Pap Smears
- 1999 47th Annual American Society of Cytopathology. Liu D. Means M. Tawfik O, **Thomas PA.** Cerebral Spinal Fluid (CSF) Cytology Using ThinPrep Preparation: Comparison with Cytospin.
- 1998 Keystone Pathobiology of Neoplasia, Keystone Colorado. The Role of Vimentin and Keratin Intermediate Filament Coexpression in Human breast cancer progression.
- 1996 85th Annual Meeting, United States and Canadian Academy of Pathology, Washington, DC. Comparison of HER-2/neu Amplification Using Fluorescent In Situ Hybridization (FISH) With Immunohistochemically Determined Overexpression in Breast Cancers.
- 1996 44th Annual Scientific Meeting of American Society of Cytology. Nelson GM, The utility of endocervical curettage with concurrent Papanicolaou smear in the Evaluation of Patients with a Previous Papanicolaou Smear Abnormality
- 1996 44th Annual Scientific Meeting of American Society of Cytology. The Separation of Adenocarcinoma from Mesothelioma in Pleural Fluid Using Immunocytochemistry and Electron Microscopy: A Cost Benefit Analysis
- 1996 85th Annual Meeting, United States and Canadian Academy of Pathology, Washington, DC. Antioxidant Enzyme Immunostaining in Breast Cancer: Correlation with Known Prognostic Indicators
- 1996 85th Annual Meeting, United States and Canadian Academy of Pathology, Washington, DC. Immunohistochemical Characterization of Antioxidant Enzymes in Human Breast Cancer
- 1995 USCAP Annual Meeting, Toronto, Canada. Selection of key cytologic criteria to separate proliferative breast disease (PBD) from carcinoma in breast fine needle aspiration (FNA) using logistic regression analysis (LRA)
- 1995 USCAP Annual Meeting, Toronto, Canada. Basic fibroblastic growth factor (bFGF) in early breast cancer
- 1995 43rd Annual Scientific Meeting of the American Society of Cytology, New York, New York. Filamentous bacteria in esophageal brush specimens: Esophageal "Leptothrix" as an indicator of malignancy
- 1994 42nd Annual Scientific Meeting of the American Society of Cytology, Chicago, IL. Comparison of breast carcinoma nuclear grades and histologic types between African-American and Caucasian women using the fine needle aspiration biopsy (FNAB) technique
- 1994 42nd Annual Scientific Meeting of the American Society of Cytology, Chicago, IL. Cost comparison of fine-needle aspiration biopsy (FNAB) and surgical excision in the work-up of superficial lymphadenopathy
- 1992 American and Canadian Society of Cytology, 40th Annual Scientific Meeting, Quebec City, PQ, Canada. Is the diagnosis of proliferative disease of breast by aspiration biopsy meaningful?
- 1990 American Society of Cytology. 36th Annual Scientific Meeting, Kansas City, MO. Comparison of fine needle aspiration and frozen section for the diagnosis of palpable mammary tumors

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- 1990 International Academy of Pathology, Society for Pediatric Pathology Division, San Francisco, CA. Infections and the spleen in children with the acquired immunodeficiency syndrome: A possible morphologic model for functional asplenia

Oral Presentations:

1. Scientific papers presented at national and international meetings:

- 2007 Diagnostic Utility of ProEx™ C in evaluating Cervical Biopsy Specimen in High-Grade Dysplasia. National Medical Association, Honolulu, HI August 5-7, 2007
- 2007 A Comparative Histopathological and Clinical Study of "Triple Negative" Invasive Mammary Carcinomas In African American and Caucasian Women. National Medical Association, Honolulu, HI August 5-7, 2007
- 2006 *Ethnic Differences in Osteoporosis*. The J. Robert Gladden Orthopaedic Society. Lausanne, Switzerland.
- 2006 Cytopathology Course, Ibadan, Nigeria Anglophone West Africa, Division of International Academy of Pathology
- 2003 The Health Professions Partnership Initiative (HPPI): *Developing Tomorrow's Health Professionals*, Transformation in Higher Education III: Mapping a Healthy Future for Kansas City: Community-UMKC Partnerships for Health and Humanities, May 12, 2003, Ewing Marion Kauffman Foundation, Kansas City, MO
- 2003 Health Professions Partnership Initiative (HPPI): *Developing Tomorrow's Health Professionals*, Campus and Community Partnerships for Health Annual Meeting, April 2003, San Diego, CA
- 2003 Memorial to Torsten Lowhagen, August 16-17, 2003, Stockholm, Sweden, Breast FNA
- 1999 Platform Presentation and Speaker, Association of American Medical Colleges, National Meeting, "The Nicodemus Project: A Multicultural Health Care Screening/Prevention and Service Learning Program in a Rural African American Community", Washington, DC, October 1999
- 1998 Speaker, Missouri State Society of Pathologists, "Update in Gynecologic Cytology", St. Louis, April 1998
- 1997 Pathology B Study Section meeting, Recent Advances in Breast Cancer Research: From Genes to Management, Keystone, CO. "Diagnostic relevance of vimentin and keratin Coexpression in breast cancer"
- 1997 Speaker, NYU Grand Rounds, "The Role of Vimentin and Keratin Intermediate Filament Coexpression in Human breast cancer progression", November 1997
- 1996 Papanicolaou Society companion meeting at United States and Canadian Association of Pathology, Washington, DC "Cytopathology of LEEP - A LEEP of Faith?"
- 1996 Diagnostic Dinner Seminar, American Society of Clinical Pathologists, Boston, MA. "Fine needle aspiration of liver"
- 1995 Speaker and Panelist, Breast Cancer Panel Discussion, sponsored by the local chapter of the American Women's Medical Association (AMWA)
- 1995 Heart of America Association of Cytotechnologist, Fall Meeting, Kansas City, MO. "Fine needle aspiration biopsy and cytology of abdominal organs"

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- 1994 Speaker and Panelist, Panel Luncheon at the 42nd annual Scientific Meeting of the American Society of Cytology: Lecture and Panel Discussion: "Challenges in breast FNAB: Pre-Malignant processes, papillary proliferations and pretenders"
- 1994 Platform Presentation - United States and Canadian Academy of pathology - Society for Pediatric Pathology Annual Meeting, San Francisco, CA
- 1993 Growth fraction determination in pulmonary hypoplasia using K-67 (MIB-1)
- 1993 Invited Grant Rounds Speaker, New York University, Department of Pathology, New York, NY, "Prognostic factors in early breast cancer:
- 1990 Platform presentation, International Academy of Pathology, Boston, MA. Pre-operative determination of growth fraction in mammary carcinoma
- 1989 Platform presentation, International Academy of Pathology, San Francisco, CA. Usefulness of EVG stains in detection of blood vessel invasion in colon cancer.

2. Invited lectures, workshops, etc. at national postgraduate courses and meetings, other universities and state/national organizations.

- 2007 Microscopic Workshop at ASC in Houston, TX
- 2007 Automation at Kansas University, November 7-10, 2008, Association of Pathology Chairs, Puerto Vallarta, Mexico
- 2003 Community-Campus Partnerships for Health, April 26-29 2003, San Diego, CA. *The Health Professions Partnership Initiative (HPPI)--Building a Pipeline Through Collaboration*
- 2002 Generalists in Medical Education. National Meeting, November 9, 2002, San Francisco, CA. *"Medical Education: Progress, Problems and Priorities" –Skill Acquisition Session. Developing Cultural Competency Curricula for Medical Education*
- 2002 AAMC GEA-GSA Small Group Discussion, AAMC National Meeting, November 11, 2002. "Infusing Cultural Competency Curricula: Practical Aspects and Challenges of Implementation in Diverse Settings
- 2001 Association for the Behavioral Sciences and Medical Education, 31st Annual Meeting, October 13-16, 2001 Cape Cod, N. Falmouth, MA Assimilating Cultural Competency Curricula: Opportunities and Challenges Sonia Crandall, PhD, Amy Blue, PhD, Patricia Thomas, MD (accepted, but postponed due to September 11th)
- 2000 Speaker, Tenth Annual Advanced Nursing Practice Conference, "America's War on Cancer: The Color and Culture of its Casualties", April 28, 2000, Jefferson City, Missouri
- 2000 Speaker, American Society of Cytopathology, Program Directors Meeting, "The Greater Kansas City Pipeway Initiative (GKC-HPPI): The Pipeline Project
- 1999 Association of American Medical Colleges, Group on Student Affairs-Minority Affairs Section and Division of Community and Minority Programs first annual Minority Medical Student Residency Workshop, "Selecting a Medical Specialty and Obtaining a Residency Position", October, 1999, Washington, DC
- 1998, 1996 ASCP Short Course Faculty/Co-Director, "Fine Needle Aspiration Cytology of Abdominal Organs
- 1996 Diagnostic Dinner Seminar, American Society of Clinical Pathologists. Boston, MA. "Fine needle aspiration of liver"

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- 1996 Vaginal and Vulvar Pathology, Osler Review Course for Obstetricians and Gynecologists, St. Louis, MO
- 1996 Placental Pathology and Gestational Trophoblastic Disease, Osler Review Course for Obstetricians and Gynecologists, St. Louis, MO
- 1996 Pathology Laboratory Review Session, General Pathology of the Lower Female Genital Tract, Osler Review course for Obstetricians and Gynecologists, St. Louis, MO
- 1996 University of Iowa, Fifth Annual Anatomic Pathology Course, Iowa City, IA. "Current Issues in Diagnosis of Mammographically Detected Breast Lesions"
- 1996 USCAP Short Course Faculty: "Intraoperative Consultation".
- 1995 AACR Faculty, Pathobiology of Neoplasia Workshop, Keystone Colorado
- 1995 Placental Pathology and Gestational Trophoblastic Disease. Osler Review Course, Chicago, IL
- 1995 Vaginal and Vulvar Pathology. Osler Review Course, Chicago, IL
- 1995 Papanicolaou Society companion meeting at United States and Canadian Association of Pathology, Washington, DC. "Cytopathology of LEEP - A LEEP of Faith?"
- 1994 Lecturer, East Carolina University-Pitt County Memorial Hospital, Greenville, NC. Cytomorphologic features of thermal injury related to endocervical brushings following loop.

Invited lectures at local and regional courses and meetings.

- 2004 Knowledge is Healing, KUMC Willed Body Program
- 2003 Transformation in Higher Education III; Mapping a Healthy Future For Kansas City, May 12 2003, Kansas City, MO. *The Health Professions Partnership Initiative (HPPI): Developing Tomorrow's Health Professionals.*
- 2002, 1998 The University of Kansas Cancer Center Breast Cancer Support Group, "How do We know that You have Breast Cancer? Breast Cancer Pathology and Diagnosis"
- 2000 University of Kansas School of Medicine 2000 Premedical Advisors Conference, September 29, 2000, Kansas City, Ks
- 2000 Invited Professor, NYU Grand Rounds Series, America's War on Cancer: The Color and Culture of It's Casualties, November 27, 2000, New York, New York
- 2000 Speaker, Black Health Care Coalition's 14th Annual Symposium, "The Greater Kansas City Health Professions Pipeway Initiative Community Project", Kansas City, MO, October, 1999
- 1999 Speaker, Black Nurses Association of Greater Kansas City and the University of Kansas University Medical Center continuing education *The Caring Culture of Healthcare* Conference, "America's War on Cancer: The Color and Culture of It Casualties", Kansas City, KS, October 1999
- 1997 University of Iowa, Seventh Annual Iowa Cytology Course, Iowa City, IA. "Update on Breast FNAB".
- 1997 Short Course, "Application of FISH Technology in Cancer Diagnosis, Prognosis, and Prediction", University Wisconsin Medical Center
- 1997 Short Course, Comprehensive Fine Needle Aspiration Biopsy (FNAB) of the Breast: "From Basics to Braindrain", Minisymposium, Minnesota State Society of Cytotechnologists, St. Cloud, MN

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- 1997 Missouri State Pathology Society, St. Louis, MO, "Update in Gynecologic Cytopathology: Computer Assisted Technologies"
- 1996 University of Iowa, Fifth annual Anatomic Pathology Course, Iowa City, IA. "Current Issues in Diagnosis of Mammographically detected Breast Lesions"
- 1995 Speaker and Panelist, Breast Cancer Panel Discussion, sponsored by the local chapter of the American Women's Medical Association (AMWA)
- 1995 Heart of America Association of Cytotechnologists, Fall Meeting, Kansas City, MO. "Fine needle aspiration biopsy and cytology of abdominal organs"
- 1994 Faculty, Fourth Annual Iowa Cytology Course, Iowa City, IA, Cytology of infectious disease
- 1994 Faculty, Third Annual Anatomic pathology Course, Iowa City, IA, Pitfalls of frozen section: To Freeze or not to freeze
- 1994 Speaker, University of Iowa College of Medicine. Summer Enrichment Program
- 1991 Radiological Society, Iowa City, IA "Overview of benign and malignant pathologic conditions of the breast"
- 1993 Faculty, Third Annual Iowa Cytology Course, Iowa City, IA, "Fine needle aspiration biopsy of proliferative breast disease".
- 1993 New York University, Department of Pathology, New York, NY, "Prognostic factors in early breast cancer"
- 1992 New York Pathological Society, New York, NY, "Diagnostic challenges in fine needle aspiration biopsy"
- 1992 Speaker and Faculty, New York University Post-Graduate Medical School, New York, NY, "Aspiration biopsy of the thyroid gland"
- 1992 New York University Medical Center Pathology Grand Rounds, New York, NY, "Aspiration biopsy of borderline breast lesions"
- 1993 Iowa Radiological Society, Iowa City, IA, "Fine needle aspiration biopsy of the breast: Clinching the Diagnosis"
- 1991 Faculty, Comprehensive Seminary of Fine Needle Aspiration, New York, NY University Post-Graduate Medical School, New York, NY
- 1991 Faculty, Aspiration Biopsy of the Thyroid Gland, New York University Post-Graduate Medical School, New York, NY
- 1991 New York State Society of Pathologist Annual Meeting, New York, NY: "Fine needle aspiration of palpable mammary lesions"
- 1988-92 Faculty, Genitourinary Pathology Postgraduate Seminar for Urologists and Pathologists. New York, NY

Visiting Professorships:

- 2006 Visiting Professor and Lecturer, Cytopathology, University of Ibadan, Ibadan, Nigeria
- 2003 Townsend Visiting Professor and Lectureship, University of Texas Health Sciences Center at San Antonio
- 1996 Visiting Professor and Lecturer, Prince of Wales Hospital, The Chinese University of Hong Kong, New Territories, Hong Kong
- 1996 Visiting Professor and Lecturer, Queen Elizabeth Hospital, Kowloon, Hong Kong "Fine Needle Aspiration Biopsy of the Breast: Proliferative Breast Disease"

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- 1996 Second Military Medical University, Shanghai, PRC "Morphologic Aspects of Pediatric AIDS" and Cytology Unknown and Difficulty Case Microscopic Conference
- 1996 Shanghai Branch of the Chinese Society Medicine, Shanghai, PRC "Fine Needle Aspiration Diagnosis of the Breast: Proliferative Breast Disease"
- 1996 Visiting Professor, Shanghai Institute of Cancer Shanghai, PRC
- 1996 University of Florida at Jacksonville
Reproducibility of terminology and diagnostic classification of breast lesions on FNAB cytology
- 1993 East Carolina University Pitt Memorial Hospital
Racial related differences in breast cancer and FNAB as a tool obtain prognostic information and nuclear grade and other biological differences in breast cancers in African-American and Caucasian women

Miscellaneous

- 1997 Speaker and UIHC organizer, July 1, 1997 Global Telemedicine Conference in collaboration with The Chinese University of Hong Kong: "Moving with the Sun Global Telemedicine conference"
- 1997 Speaker, Teleconference Network of Texas 1997 Cytotechnology Series for national Health Laboratories: "Update on Breast FNAB"
- 1996 Global Telemedicine Conference, Fifteen Nations. Hosted by The People's Republic of China with Hong Kong, **June 30-July 1, 1997**. (1) "Rising with the Sun. Telemedicine applications at UIHC in the State of Iowa," (2) "Telepathology at UIHC."
- 1994 Speaker, Teleconference Network of Texas 1994 Cytotechnology Series for National Health laboratories: "Fine needle aspiration of the thyroid gland"

Radio/Television Presentations or Appearances

- 2003 In the Spot Light with Bukeka Shoals and Jerome Johnson, A CVE Network Production, Kansas City, MO
- 1997 University Hospitals Today Program, radio talk show with Roy Justis "of KXCIC-AM (800), Iowa City, Iowa -- "Moving with the Sun" Global Telemedicine Conference, with Hong Kong and Mainland China
- 1997 University Hospitals Today Program, radio talk show with Barry Norris of WHT-AM (600), Cedar Rapids, Iowa -- The reunification of Hong Kong and China and the potential role of Multinational telemedicine
- 1995 University Hospitals Today Program, radio talk show with Roy Justis of KXCIC-AM (800), Iowa City, Iowa -- "Fine Needle Aspiration Biopsy: Diagnosing Cancer, Success Rates, and Recent Refinements"
- 1995 University Hospital Today Program, radio talk show with Barry Norris of WHT-AM (600), Cedar Rapids, Iowa --

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Fine Needle Aspiration Biopsy: Advantages and The Role of the Cytopathologist