

UNIVERSITY OF KANSAS SCHOOL OF MEDICINE
Faculty Curriculum Vitae

I. PERSONAL DATA

First Name James
 Last name Fishback
 Current Academic Rank Associate Professor
 Department(s) Pathology and Laboratory Medicine
 Office Address 3025 B, Murphy Administration Building
 Phone 9135887070
 Fax 9135887073
 Email jfishbac@kumc.edu

PROFESSIONAL DEVELOPMENT**Undergraduate and Graduate Education**

| Years (Inclusive) | Degree | Institution |
|-------------------|------------------------|--|
| 1973-1977 | B.S. Chemistry/Biology | Southwestern College, Winfield, KS |
| 1977-1979 | M.S. Biochemistry | Kansas State University, Manhattan, KS |
| 1979-1983 | M.D. | Kansas University, Kansas City, KS |

Postgraduate Education

| Years (Inclusive) | Degree | Institution |
|-------------------|------------------------------|--|
| 1983-1986 | Anatomic Pathology Resident | Kansas University, Kansas City, KS |
| 1993-1994 | Clinical Microbiology Fellow | Duke University, Durham, NC (Sabbatical leave, University of Kansas) |

Academic and Professional Appointments and Activities

(List in chronological order. Please explain any discontinuity in professional experience)

| Month and Year | Position | Institution |
|-----------------------|---|------------------------------------|
| 7/1986 | Instructor | Kansas University, Kansas City, KS |
| 7/1987 | Assistant Professor | Kansas University, Kansas City, KS |
| 7/1993 | Associate Professor | Kansas University, Kansas City, KS |
| 2/24/2003 to 4/1/2004 | Military Leave, Operation Iraqi Freedom | Kansas University, Kansas City, KS |

Professional Registration/Licensure

| Year | Number | State |
|------|--------|--------|
| 2009 | | Kansas |

Professional Certification(s)

| Date | Board |
|------|---|
| 1988 | American Board of Pathology, Anatomic Pathology |

Professional Societies and Affiliations

| Date | Organization (including offices held) |
|--------------|---|
| 1990-present | Association of Pathology Chairs, Course Directors Section (CDS) Member. (Member, Undergraduate Medical Education Committee) |
| 2005-present | Member, International Association of Medical Science Educators (Member, Technology Committee) |
| 1990-present | Binford-Dammin Society of Infectious Disease Pathologists, Life member |
| 1990-present | American Society of Tropical Medicine and Hygiene, Member |

Honors and Awards (honorary societies, research awards, teaching and other awards)

| Year | Award |
|----------|---|
| 1) 1990 | 1) Honors in Education, Student Voice teaching awards |
| 2) 1993 | 2) Honors in Education, Student Voice teaching awards |
| 3) 1991 | 3) Excellence in Education, Student Voice teaching awards |
| 4) 1992 | 4) Excellence in Education, Student Voice teaching awards |
| 5) 1995 | 5) Excellence in Education, Student Voice teaching awards |
| 6) 1995 | 6) Outstanding 2 nd year Professor, 1995 Student Voice teaching awards |
| 7) 1996 | 7) Excellence in Education, Student Voice teaching awards |
| 8) 1996 | 8) Outstanding 2 nd year Professor, Student Voice teaching awards |
| 9) 1997 | 9) Excellence in Education, Student Voice teaching awards |
| 10) 1997 | 10) Outstanding 2 nd Year Basic Science Course, Student Voice (Course Director) |
| 11) 1997 | 11) Outstanding 2 nd year Professor, Student Voice teaching awards |
| 12) 1998 | 12) Excellence in Education, Student Voice teaching awards |
| 13) 1998 | 13) Outstanding 2 nd Year Basic Science Course, Student Voice (Course Director) |
| 14) 1999 | 14) Outstanding 2 nd year Professor, Student Voice teaching awards |
| 15) 1999 | 15) Excellence in Education, Student Voice teaching awards |
| 16) 1999 | 16) Outstanding 2 nd year Professor, Student Voice teaching awards |
| 17) 1999 | 17) Outstanding 2 nd Year Basic Science Course, Student Voice (Course Director) |
| 18) 1999 | 18) Kemper Foundation Fellow for Teaching Excellence , University of Kansas |
| 19) 2000 | 19) Excellence in Education, Student Voice teaching awards |
| 20) 2000 | 20) Chancellor's Award for Outstanding Classroom Teacher , University of Kansas |
| 21) 2002 | 21) Excellence in Education, Student Voice teaching awards |
| 22) 2003 | 22) Excellence in Education, Student Voice teaching awards |
| 23) 2004 | 23) Excellence in Education, Student Voice teaching awards |
| 24) 2004 | 24) Excellence in Education, Student Voice teaching awards |
| 25) 2004 | 25) Ruth Bohan Distinguished Teaching Professorship , University of Kansas |
| 26) 2006 | 26) Excellence in Education, Student Voice teaching awards |
| 27) 2006 | 27) Excellence in Education, Student Voice teaching awards |
| 28) 2006 | 28) Excellence in Education, Student Voice teaching awards |
| 29) 2007 | 29) Excellence in Education, Student Voice teaching awards |
| 30) 2008 | 30) Excellence in Education, Student Voice teaching awards |

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|--|---|
| | <ul style="list-style-type: none">26) Excellence in Education, Student Voice teaching awards27) Kemper Foundation Fellow for Teaching Excellence, University of Kansas28) Outstanding Small Group Leader, Student Voice teaching awards29) Excellence in Education, Student Voice teaching awards30) Excellence in Education, Student Voice teaching awards |
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II. TEACHING ACTIVITIES

(Evaluations and other evidence of quality teaching must be attached; this represents the teacher's portfolio and should be accurately summarize ALL of your teaching activities.)

Brief statement of areas of teaching interest:

I have long been interested in the application of computers to the teaching of medicine. This began with a Hypercard® deck derived from the Department of Pathology's long-standing Student Class Collection of 316 histologic slides, which included clinical histories and static photomicrographs, which I built shortly after the Apple Macintosh® became available, about 1990. This was followed in 1994 by the development of an extensive website of gross and microscopic images for the Pathology 850/851 course. For the technology-intensive new curriculum, the Student Class Collection was scanned with the Aperio® Scanscope, and a website was created utilizing these pathology images, along with a collection of normal histology slides developed by Robert M. Klein (available at aperio.kumc.edu). As far as subject matter, I teach a variety of general pathology lectures, but I am most at home with infectious diseases, because of my long-term collaboration with Dr. Jack Frenkel.

**1. Instruction (Only most recent year shown, I have given essentially the same lectures from 2006-present):
Didactic (e.g.: lectures and formal presentations)**

| Academic Year | Course | Title | Instruction | | Student | |
|---------------|-------------------------------------|--|-------------|-------|---------|-------|
| | | | Type | Hours | No | Type |
| AY 08 | KUSOM Medical Student Orientation | How to Read and Study in the Basic Sciences | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Medical Student Orientation | Mock Lecture: Dementia | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Foundations of Medicine 800 | Cell Injury, Adaptation and Necrosis | Lecture | 3 | 175 | KUSOM |
| AY 08 | KUSOM Inflammation and Immunity 820 | Acute Inflammation and its Mediators | Lecture | 2 | 175 | KUSOM |
| AY 08 | KUSOM Inflammation and Immunity 820 | Wound Repair | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Inflammation and Immunity 820 | Diseases of Inflammation and Healing | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Inflammation and Immunity 820 | Classical Inflammatory and Immune Diseases I | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Inflammation and Immunity 820 | Chronic Inflammation | Lecture | 1 | 175 | KUSOM |

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|-------|--|--|---------|---|-----|-------|
| AY 08 | KUSOM Inflammation and Immunity 820 | Acquired Immune Deficiencies | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Inflammation and Immunity 820 | Classical Inflammatory and Immune Diseases II | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Inflammation and Immunity 820 | Autoimmune Disorders I | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Inflammation and Immunity 820 | Autoimmune Disorders II | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Cardiopulmonary 830 | Infection and Valvular Heart Disease | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Cardiopulmonary 830 | Pneumonia | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM GI and Nutrition 840 | Nutritional Pathology | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Renal/Endocrine 850 | Pathology of the Adrenal Cortex | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Renal/Endocrine 850 | Pathology of the Thyroid Gland | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Sexuality and Reproductive Medicine 860 | Infections of the Female GU Tract | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Sexuality and Reproductive Medicine 860 | Sexually Transmitted Infections | Lecture | 1 | 175 | KUSOM |
| AY 08 | Brain and Behavior | Eye Pathology | Lecture | 2 | 175 | KUSOM |
| AY 08 | Infectious Disease | Protozoa I – Intestinal and Urogenital Protozoa | Lecture | 1 | 175 | KUSOM |
| AY 08 | Infectious Disease | Protozoa II – Blood and Tissue Protozoa | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Infectious Disease | Helminthic Infections I – Nematodes and Cestodes | Lecture | 1 | 175 | KUSOM |

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|-------|-------------------------------------|--|---------|---|-----|-------|
| AY 08 | KUSOM Infectious Disease | Helminthic Infections II – Trematodes | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Integration and Consolidation | Renal Pathophysiology – The Glomerulonephritides | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Integration and Consolidation | Pathophysiology of Endocrine Disorders I | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Integration and Consolidation | Pathophysiology of Endocrine Disorders II | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Integration and Consolidation | CNS Pathophysiology I | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Integration and Consolidation | CNS Pathophysiology II | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Integration and Consolidation | Adverse Drug Reactions | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Integration and Consolidation | Forensic Pathology | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Integration and Consolidation | Radiation Pathology | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Integration and Consolidation | Cell Injury I | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Integration and Consolidation | Cell Injury II | Lecture | 1 | 175 | KUSOM |
| AY 08 | KUSOM Prematriculation | Introduction to OneNote | Lecture | 1 | 20 | KUSOM |
| AY 08 | KUSOM Prematriculation | Cell Injury and Adaptation | Lecture | 3 | 20 | KUSOM |
| AY 08 | KUSOM Prematriculation | Acute Inflammation | Lecture | 1 | 20 | KUSOM |
| AY 08 | KUSOM Prematriculation | Chronic Inflammation | Lecture | 1 | 20 | KUSOM |
| AY 08 | KUSOM Prematriculation | Wound Healing | Lecture | 1 | 20 | KUSOM |

Non-didactic (e.g.: workshops, labs, and discussion groups)

| Academic Year | Course | Title | Instruction | | Student | |
|---------------|-------------------------------------|--|-------------|-------|---------|-------|
| | | | Type | Hours | No | Type |
| AY 08 | KUSOM Foundations of Medicine 800 | Histopathology Lab: Introduction | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Foundations of Medicine 800 | Histopathology Lab: Cell Organization | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Foundations of Medicine 800 | Histopathology Lab: Epithelia | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Foundations of Medicine 800 | Histopathology Lab: Connective Tissue | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Foundations of Medicine 800 | Histopathology Lab: Blood | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Foundations of Medicine 800 | Histopathology Lab: Muscle | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Foundations of Medicine 800 | Histopathology Lab: Cartilage and Bone | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Foundations of Medicine 800 | Histopathology Lab: Integument | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Foundations of Medicine 800 | Histopathology Lab: Nervous System | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Genetics and Neoplasia 810 | Histopathology Lab: Tumors | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Inflammation and Immunity 820 | Histopathology Lab: Lymphoid system | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Cardiopulmonary 830 | Histopathology Lab: Vascular | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Cardiopulmonary 830 | Histopathology Lab: Respiratory | Lab | 4 | 175 | KUSOM |

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|-------|---|---|-----|---|-----|-------|
| AY 08 | KUSOM GI/Nutrition 850 | Histopathology Lab: Gastro | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM GI/Nutrition 850 | Histopathology Lab: Gastro glands | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM GI/Nutrition 850 | Histopathology Lab: Gastro Pathology | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Renal/Endocrine 860 | Histopathology Lab: Renal | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Renal/Endocrine 860 | Histopathology Lab:Endocrine | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Sexuality and Reproduction 870 | Male GU | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Sexuality and Reproduction 870 | Female GU | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Musculoskeletal 900 | Histopathology Lab: Bones and Joints | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Musculoskeletal 900 | Histopathology Lab: Skin | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Musculoskeletal 900 | Histopathology Lab: Muscle | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Brain and Behavior 910 | Histopathology Lab: Degenerative Diseases | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Brain and Behavior 910 | Histopathology Lab: Brain Tumors | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Blood and Lymph 920 | Histopathology Lab: Leukemias and Lymphomas | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Infectious Disease 930 | Histopathology Lab: Virus | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Infectious Disease 930 | Histopathology Lab: Bacteria | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Infectious Disease 930 | Histopathology Lab: Parasites | Lab | 4 | 175 | KUSOM |

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|-------|--|---|-----|---|-----|-------|
| AY 08 | KUSOM Medicine Across the Lifespan 940 | Histopathology Lab: Pediatric Pathology | Lab | 4 | 175 | KUSOM |
| AY 08 | KUSOM Foundations of Medicine 800 | PBL: The Case of Inez Rodriguez I | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Foundations of Medicine 800 | PBL: The Case of Inez Rodriguez II | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Foundations of Medicine 800 | PBL: The Case of Martin Anderson I | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Foundations of Medicine 800 | PBL: The Case of Martin Anderson II | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Genetics and Neoplasia 810 | PBL: The Case of Robert Johnson I | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Genetics and Neoplasia 810 | PBL: The Case of Robert Johnson II | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Inflammation and Immunity 820 | PBL: The Case of Sarah Jones I | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Inflammation and Immunity 820 | PBL: The Case of Sarah Jones II | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Cardiopulmonary 830 | PBL: The Case of Jack L. Umber I | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Cardiopulmonary 830 | PBL: The Case of Jack L. Umber II | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM GI/Nutrition 840 | PBL: The Case of Ellen Bumphreys I | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM GI/Nutrition 840 | PBL: The Case of Ellen Bumphreys II | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Renal Endocrine 850 | PBL: The Case of Wilbur Reed I | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Renal Endocrine 850 | PBL: The Case of Wilbur Reed II | PBL | 4 | 20 | KUSOM |

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|-------|--------------------------------------|----------------------------------|-------------|---|----|-------|
| AY 08 | KUSOM Sexuality and Reproduction 860 | The Case of Mr. and Mrs. Gray I | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Sexuality and Reproduction 860 | The Case of Mr. and Mrs. Gray II | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Brain and Behavior | The Case of John Wyandotte I | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Brain and Behavior | The Case of John Wyandotte II | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Blood and Lymphoid | The Case of Barney Smith I | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Blood and Lymphoid | The Case of Barney Smith II | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Infectious Diseases | The Case of Harry Holmes I | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Infectious Diseases | The Case of Harry Holmes II | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Medicine Across the Lifespan | The Case of Maria Gonzales I | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Medicine Across the Lifespan | The Case of Maria Gonzales II | PBL | 4 | 20 | KUSOM |
| AY 08 | KUSOM Infectious Diseases | Drug Allergy Small Group | Small Group | 4 | 8 | KUSOM |
| AY 08 | KUSOM Infectious Diseases | Sepsis Small Group | Small Group | 4 | 8 | KUSOM |

Clinical

| Year | Hours | Student | | Length of Service |
|------|-------|---------|------|-------------------|
| | | No | Type | |
| | | | | |

Master's Theses and PhD Dissertations directed

| Year | Student Name | Thesis Title | Degree (Completed/In process) |
|------|-----------------------------|--|----------------------------------|
| 2000 | Dimi F. Turkmani | "The Positive Predictive Value (PPV) of Blood Cultures in the Emergency Department at the University of Kansas Medical Center" | MPH |
| 2001 | Walter Wm. Dalitsch III, MD | "Prevalence of Potentially Disqualifying Physical and Mental Conditions Among Commercial Airline Flight Attendants" | MPH |

Supervision of Postdoctoral Fellows

| Year | Fellow Name | Area of Study |
|------|-------------|---------------|
| | | |




Advising (Thesis or dissertation committees: student academic group/individual)

| Date | Student or group name | Type of Student/group |
|---------|-----------------------|-----------------------|
| Current | Brooke Dunlavy | M2 |
| Current | Jennifer Woodward | M4 |










Other teaching activities

| Date | Title | Place | Teaching Function |
|--------------|--------------------|-------|-----------------------------------|
| 1986-present | Autopsy Service | KUMC | Attending |
| 2009 | Infectious Disease | KUMC | Lecture, Resident Core Curriculum |

2. Development of Educational Materials (docs available on the "O" drive, open to KUMC Faculty and Students)
(Course materials e.g., syllabi, educational software packages, web sites, films, educational tapes and evaluation tools)

| Year | Title Description | Intended Audience |
|--------------------------------------|---|--------------------------------|
| 2009 (updates of previous documents) |  Histopathology Lab, Foundations of Medicine, Week 1 | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Foundations of Medicine, Week 2 | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Foundations of Medicine, Week 3 | Medical Students and residents |

| | | |
|--------------------------------------|--|--------------------------------|
| documents) | Medicine, Week 3 | residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Foundations of Medicine, Week 4 | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Foundations of Medicine, Week 5 | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Foundations of Medicine, Week 6 | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Foundations of Medicine, Week 7 | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Foundations of Medicine, Week 8 | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Genetics and Neoplasia | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Inflammation and Immunity | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Cardiopulmonary (Heart) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Cardiopulmonary (Lung) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, GI/Nutrition (Glands) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, GI/Nutrition (Gastrointestinal tract) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, GI/Nutrition (Pathology) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Renal Endocrine (Renal) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Renal Endocrine (Endocrine) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Sexuality and Reproduction (Male GU) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Sexuality and Reproduction (Female GU) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Musculoskeletal (Bones and Joints) | Medical Students and residents |

| | | |
|--------------------------------------|--|--------------------------------|
| 2009 (updates of previous documents) |  Histopathology Lab, Musculoskeletal (Skin) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Musculoskeletal (Muscle and Soft Tissue) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Brain and Behavior (Degenerative Diseases) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Brain and Behavior (Brain Tumors) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Blood and Lymphoid | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Infectious Disease (Virus) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Infectious Disease (Bacteria) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Infectious Disease (Parasites) | Medical Students and residents |
| 2009 (updates of previous documents) |  Histopathology Lab, Medicine Across the Lifespan | Medical Students and residents |
| 2009 | USMLE Consult, Elsevier Student Consult Web Site | Medical Students and residents |

3. Educational Leadership

(Responsibility for courses and other leadership activities including mentoring of junior faculty. Please list faculty members mentored – letters from mentorees may be provided.)

Course Director, Pathology 850-851, 1990-2005

Director, Phase I Basic Science Curriculum, 2005 to present

III. SERVICE ACTIVITIES

See guidelines and instructions to applicants for definitions and suggested documentation of professional and academic service.

Professional Service:

- Attending, autopsy service, approximately 4 months/year, 1986-present
- Developed KU Forensic Autopsy Service, in association with then District Attorney Paul Morrison, 1999.
- Residency Program Director, 1998-2000
- Chairman, Hospital Infection Control Committee, 1989
- Member, Technology Committee, International Association of Medical Science Educators (IAMSE), 2008
- Member, Course Directors Section, Steering Committee, Association of Pathology Chairs, 2009-present

Academic Service:

In academic service the contribution of the candidate to the academic community should be clearly documented. Names and dates of committees, task forces, or working groups should be provided. A concise description of the significance of the group and explanation of the role of the applicant should be provided.

Activities related to Academic Societies should also be documented in this section.

- Member, Education Council, 1990 to present (Chairman, 1992)
- Member and Chairman, Phase I Committee, 2005 to present
- Member, Academic Committee, 1988-1993, Student promotions subcommittee
- Member, Delp Society, 2005 to present
- **Working Group: New Curriculum Development:** This ad hoc committee was formed by the Education Council in June 2004. This group was a follow-on to the "Blue Sky Committee" of the Education Council, which had done some preliminary work, but had not been able to come up with a complete solution. I was asked by then Vice Dean Glen Cox to lead a small group of educators and medical students (including, but not limited to: Michael Parmely, Merrill Tarr, George Helmkamp, George Enders, and Maura O'Neil), in hopes of coming to a consensus regarding a curriculum plan. This effort eventually resulted in the adoption of our curriculum plan by the Education Council in 2005, with implementation of the new, integrated, electronic curriculum in the fall of 2006. I have included several documents related to curriculum development under **Section IV.4. Other Evidence of Scholarship.**

Military Service:

Professional Military Education

- Graduate, Military Indoctrination for Medical Service Officers, Sheppard AFB, TX, 1985
- Graduate, Aerospace Medicine Primary Class 871002, USAF School of Aerospace Medicine, Brooks Air Force Base, TX, 20 Nov 1987
- Graduate, Air Command and Staff College, Air University, Maxwell Air Force Base, AL, 1995
- Graduate, Air War College, Air University, Maxwell Air Force Base, AL, 2002. Thesis: The Six Day War.

Military Assignments

- Captain, USAFR MC, Flight Surgeon, 442nd Medical Squadron, 1306 Alert Road, Whiteman AFB MO 65305-5258, Date of Rank: 24 January 1985
- Major, USAFR MC, Flight Surgeon, 303rd Fighter Squadron, Bldg. 91, Whiteman AFB MO 65305-5258, Date of Rank: 1 March 1988.
- Lt. Col., USAFR MC, Senior Flight Surgeon, 303rd Fighter Squadron, Bldg. 91, Whiteman AFB MO 65305-5258, Date of Rank: 16 June 1995

- Presidential Unit Activation for Operation Iraqi Freedom, 303rd Fighter Squadron, Feb 2003 to 1 Apr 2004, served at Tallil Air Base, Iraq, and Kirkuk Air Base, Iraq, with the 506th Air Expeditionary Group, as a squadron flight surgeon, and as augmentation to the 506th EMEDS Medical Group.
- Colonel, USAFR MC, Chief Flight Surgeon, and Commander, 442 Medical Squadron, Whiteman AFB MO 65305, Date of Rank: 1 March 2003
- Retired, 7 September 2008

Military Decorations and Awards

- Air Force Commendation Medal
- Air Force Outstanding Unit Award, with 2 Oak Leaf Clusters and Valor Device
- National Defense Service Medal, with 1 Oak Leaf Cluster
- Armed Forces Expeditionary Medal
- Global War on Terrorism Expeditionary Medal (Operation Iraqi Freedom)
- Air Force Longevity Service Award, with 3 Oak Leaf Clusters
- Global War on Terrorism Service Medal
- Armed Forces Reserve Medal, with Hourglass and Mobilization Device
- Small Arms Expert Ribbon, with 1 Oak Leaf Cluster
- Air Force Training Ribbon
- Most Outstanding Medical Readiness Officer, 10th Air Force, 1988

IV. RESEARCH and SCHOLARLY ACTIVITIES:

Brief statement of areas of research and scholarly interest, including current projects:

I am currently interested in educational research, and have an active human subjects application to study student learning in our virtual microscopy lab, which includes videos of each virtual slide. These were developed in association with Dr. Robert M. Klein, and are listed in Section II.2, under electronic teaching materials. Of necessity, I am interested in adult learning theory, and plan to incorporate features of adult learning pedagogy in the design of the basic science portion of the proposed new 4-year medical schools in Wichita and Salina (see my status report for the preliminary work on the Salina program in **Section IV.4. Other Evidence of Scholarship**).

1. Grants and contracts

(Information must include whether the nominee is the principal investigator or a co-investigator, names of all investigators, title of grant, funding source, dollar amount in direct costs, and years during which grant applies. Co-investigators must specify role). Provide abstracts and award notice or renewal for all grants or contracts awarded in last five years.

Grants and contracts awarded:

(List in chronological order)

| Principal Investigator | Investigators | Title of Grant | Funding Source | Direct Costs | Years | Status |
|------------------------|--------------------------|--|--|--------------|-------------------|--------|
| James L. Fishback | | Synthesis of Biotinylated, Asymmetric RNA Probes | Biomedical Research Support Grant | \$7500 | Aug 1986-Aug 1987 | Funded |
| James L. Fishback | Deborah Ann Borek | Definitive Diagnosis of Infectious Myocarditis | American Heart Association, KS Affiliate | \$20,000 | Jul 1987-Jun 1988 | Funded |
| Jakob K Frenkel | James L. Fishback, Co PI | Toxoplasmosis: Its Transmission and Prevention | NIAID | \$1,409,713 | Aug 1987-Jul 1993 | Funded |

Grants and contracts submitted:

| Principal Investigator | Investigators | Title of Grant | Funding Source | Direct Costs | Years | Status |
|------------------------|---------------|----------------|----------------|--------------|-------|--------|
| | | | | | | |

2. Scholarly Publications

Full length, peer-reviewed articles in scientific journals: (Provide names of all authors, year, title, journal, volume, and inclusive pages. List chronologically in a numbered list for each publication category.)

1. Isackson, P.J., **Fishback, J.L.**, Bidney, D.L., and Reeck, G.R. [Preferential affinity of high molecular weight high mobility group non-histone chromatin proteins for single stranded DNA](#). J. Biol. Chem. 254:5569-5572, 1979.
2. Fishback, James L. Master's Thesis. Studies on the High Mobility Group of Non-histone Chromatin Proteins, 1979, Kansas State University.
3. **Fishback, J.L.**, Tallman, G., Reeck, G.R., and Kramer, K.J. Non-histone chromatin proteins from an insect cell line: Preferential affinity for single strand DNA of a high molecular weight protein. Insect Biochem. 12:251-256, 1982.
4. Shastri, K., Isackson, P.J., **Fishback, J.L.**, Land, M.D., and Reeck, G.R. [Influence of non-histone chromatin protein HMG-1 on the enzymatic digestion of purified DNA](#). Nucleic Acids Research 10:5059-5072, 1982.
5. **Fishback, J.L.**, and Yarbrough, L.R. [Interaction of S⁶-GTP with bovine brain tubulin: Equilibrium Aspects](#). J. Biol. Chem. 259:1968-1973, 1984.
6. Yarbrough, L.R., and **Fishback, J.L.** [Kinetics of interaction of 2-amino, 6-mercapto, 9-beta ribofuranosylpurine 5-triphosphate with bovine brain tubulin](#). Biochemistry 24:1708-1714, 1985.
7. Hunt, J.S., **Fishback, J.L.**, Andrews, G.K., and Wood, G.W. [Expression of class I HLA genes by trophoblast cells: Analysis by *in situ* hybridization](#). J. Immunol. 140:1293-1299, 1988.
8. Hunt, J.S., Andrews, G.K., **Fishback, J.L.**, Fees, M., and Wood, G.W. [Amnion membrane epithelial cells express class I HLA antigen mRNA](#). J. Immunol. 140:2790-2795, 1988.
9. Holmes, F., Borek, D., Owen-Kummer, M., Hassanein, R., **Fishback, J.**, Behbehani, A., Baker, A., and Holmes, G. [Anal cancer in women](#). Gastroenterology 95:107-111, 1988.
10. Holmes, F., Borek, D., Owen-Kummer, M., Hassanein, R., **Fishback, J.**, Behbehani, A., Baker, A., and Holmes, G. Anal cancer in women (letter). Gastroenterology 96:553, 1989.
11. Kerley, S. W., Buchon-Zalles, C., Moran, J., and **Fishback, J.** [Chronic cavitory respiratory papillomatosis](#). Arch. Pathol. Lab. Med. 113:1166-1169, 1989.
12. Stechschulte, D.S., **Fishback, J.L.**, Bhatia, P., and Emami, A. [Secondary biliary cirrhosis as a consequence of graft-versus-host disease](#). Gastroenterology 98:223-225, 1990.
13. Hunt, J.S. and **Fishback, J.L.** Amniochorion: Immunologic aspects. Am. J. Reprod. Immunol. 21:114-118, 1989.
14. Hunt, J.S., and **Fishback, J.L.** Class I HLA mRNA in extraembryonic cells. *Trophoblast Research* 5:23-40, 1991.
15. **Fishback, J.L.** and Frenkel, J.K. Prospective vaccines to prevent feline shedding of *Toxoplasma* oocysts. Comp. Cont. Ed. 12:643-648, 1990.
16. Hunt, J.S., **Fishback, J.L.**, Chumbley, G., and Loke, Y.W. [Identification of class I MHC mRNA in human first trimester trophoblast cells by *in situ* hybridization](#). J. Immunol. 144:4420-4425, 1990.
17. Hall, R.J., Insana, M.F., **Fishback, J.L.**, and Rosenthal, S.J. [Imaging structural properties of soft tissue using ultrasound](#). In: *Proceedings of the Annual International Conference of IEEE Engineering in Medicine and Biology Society* 13: 327-328, 1990.
18. Insana, M.F., Hall, T.J., **Fishback, J.L.**, Wood, J.G., Cheung, L.Y., and Rosenthal, S.J. Sources of acoustic scattering in normal kidneys. In: *1990 Ultrasonics Symposium Proceedings* 3: 1619-1623, 1990.
19. Hunt, J.S. Hsi, B.-L., King, C.R. and **Fishback, J.L.** [Detection of class I MHC mRNA in subpopulations of first trimester cytotrophoblast cells by *in situ* hybridization](#). J. Reprod. Immunol. 19:315-323, 1991.
20. Frenkel, J.K., Pfefferkorn, E.R., Smith, D.D., and **Fishback, J.L.** [Prospective vaccine prepared from a new mutant of *Toxoplasma gondii* for use in cats](#). Am J Vet Res 52:759-763, 1991.
21. Persons, D.L., Moore, J.A., and **Fishback, J.L.** Comparison of polymerase chain reaction, DNA hybridization, and histology with viral culture to detect cytomegalovirus in immunosuppressed patients. Mod Pathol 4:149-153, 1991.
22. **Fishback, J.L.**, and Frenkel, J.K. [Toxoplasmosis](#). Sem. Vet. Med. Surg. (Small animal) 6:219-226, 1991.
23. Hunt, J.S., Yelavarthi, K.K., Yang, Y., and **Fishback, J.L.** Class I MHC genes in trophoblast cells: Studies on expression, regulation, and function. In: *Cellular and Molecular Immunology of the Feto-Maternal Relationship*. G. Chaouat and J. Mowbray, Eds. John Libbey Eurotext., Montrouge, France, vol. 212, pp 51-59, 1991.
24. Kerley, S.W., Person, D.L. and **Fishback, J.L.** [Human papillomavirus and carcinoma of the urinary bladder](#). Mod Pathol 4:316-319, 1991.
25. Yelavarthi, K.K., **Fishback, J.L.**, and Hunt, J.S. [Analysis of HLA-G mRNA in human placental and extraplacental membrane cells by *in situ* hybridization](#). J Immunol 146, 2847-2854, 1991.
26. Yelavarthi, K.K., Chen, H.-L., Yang, Y., Cowley, B., **Fishback, J.L.**, and Hunt, J.S. [Tumor necrosis factor-alpha mRNA and protein in rat uterine and placental cells](#). J Immunol 146:3840-3848, 1991.

27. Insana, M.F., Hall, T.J., and **Fishback, J.L.** Identifying acoustic scattering sources in normal renal parenchyma from the anisotropy in acoustic properties. *Ultrasound in Medicine and Biology*, 17:613-626, 1991.
28. Chen, H.-L., Yang, Y., Hu, X.-L., Yelavarthi, K.K., **Fishback, J.L.**, and Hunt, J.S. [Tumor necrosis factor-alpha and protein are present in human placental and uterine cells at early and late stages of gestation](#). *Am J Pathol* 139:327-335, 1991.
29. Jamidar, P.A., Campbell, D.R., **Fishback, J.L.**, and Klotz, S.A. Peritoneal coccidioidomycosis associated with human immunodeficiency virus (HIV) infection. *Gastroenterology* 102:1054-1058, 1992.
30. **Fishback, J.L.** Ring-enhancing lesions on CT scan and blindness in an AIDS patient. *Kansas Medicine*, 94:71-73, 1993.
31. Tawfik, O., and **Fishback, J.L.** Disseminated cryptococcosis with hypothyroidism in an AIDS patient. *Kansas Medicine* 94: 273-275, 1993.
32. Freyre, A., Choromanski, L., **Fishback, J.L.** and Popiel, I. [Immunization of cats with tissue cysts, bradyzoites and tachyzoites of the T-263 strain of *Toxoplasma gondii*](#). *J Parasitol* 79:716-719, 1993.
33. Bertoli, F., Espino, M, Arosemena, J.R., **Fishback, J.L.**, and Frenkel, J.K. A spectrum in the pathology of toxoplasmosis in patients with AIDS. *Arch Pathol Lab Med*, 119:214-224, 1995.
34. Fenderson, B.A, **Fishback, J.L.**, and Damjanov, I. Weekly mini-examinations based upon extended matching questions as a means for monitoring medical student performance. *Croatian Medical Journal* 37: 283-287, 1996.
35. **Fishback, J.L.**, Wagner, E., Fenderson, B., and Damjanov, I. Weekly quizzes in the extended matching format as a means for guiding, teaching, and testing medical students. *Pathology Education* 22(1), 1997.
36. Dominis M, Nola M, Jukić S, **Fishback J**, Damjanov I. [Computer-based teaching of pathology at the Zagreb University School of Medicine](#). *Croat Med J. Sep;40(3):425-8,1999*.
37. Anthony M. Paolo, Ph.D., Giulia A. Bonaminio, Ph.D., Michael Karr, B.F.A., **James L. Fishback**, M.D., Amal Latif, M.S., Glendon G. Cox, M.D. Faculty and Student Attitudes Towards and Use of Technology in a Technology Enhanced Integrated Medical School Curriculum. *JIAMSE* 19 (2), 58-66, 2009.

Manuscripts in press: (Provide names of all authors, title, journal, and PDF of manuscript plus evidence of acceptance by journal)

N/A

Manuscripts submitted but not yet accepted: (Provide names of all authors, title, journal, and PDF of manuscript plus evidence of receipt of manuscript by journal.)

N/A

Invited or non-peer-reviewed articles or reviews: (Provide names of all authors, year, title, journal, volume, and pages. If in press, provide documentation and PDF or article/review if published within the last five years.)

N/A

Books and book chapters: (Provide names of all authors, year, book title, chapter title, edition, publisher, and pages. If in press, provide documentation and PDF or book/book chapter if published the last five years.)

1. Frenkel, J.K. and **Fishback, J.L.** Toxoplasmosis. In: *Conn's Current Diagnosis* 8. Rex B. Conn, Ed., W.B. Saunders, Philadelphia, 1991.
2. Hunt, J.S. and **Fishback, J.L.** Class I gene products in the human placenta and extraplacental membranes. In: *The Molecular and Cellular Immunobiology of the Maternal Fetal Interface*. T.J. Gill and T. Wegmann, and E. Nisbet-Brown, Eds., Oxford University Press, Oxford, U.K., pp 13-25, 1991.
3. **Fishback, J.L.** Toxoplasmosis. In: *Encyclopedia of Microbiology*, Vol. 4, pg. 255-264, Joshua Lederberg, Editor. Academic Press, San Diego, CA, 1992.
4. Hunt, J.S., Yelavarthi, K.K., and **Fishback, J.L.** Analysis of HLA-G mRNA in placentas by *in situ* hybridization. In: *Proceedings of the 11th International Histocompatibility Workshop and Conference*. K. Tsuji, M. Aizawa and T. Sasazuki, Eds. Oxford University Press, Oxford, U.K., pp. 1034-1039, 1992, ISBN 0-19-262217-X.
5. Studeman, K, **Fishback, J.L.**, and Conner, D.H. Chapter 172: Onchocerciasis. In: *Pathology of Infectious Diseases*. Daniel H. Connor and Francis W. Chandler, Eds. Appleton and Lange, Stanford, Connecticut, pp. 1505-1526, 1997, ISBN 0-8385-1601-7.
6. Frenkel, J.K. and **Fishback, J.L.** Toxoplasmosis, In: *Hunter's Tropical Medicine and Emerging Infectious Diseases*, Eighth Edition, G. Thomas Strickland, Ed. W.B. Saunders, Philadelphia, PA, 1999.
7. **Fishback, J.L.**, and Frenkel, J.K. Toxoplasma Vaccines, In [Toxoplasmosis, A Comprehensive Clinical Guide](#), D.H.M. Joynson and T.G. Wreghitt, Eds. Cambridge University Press, 2001, ISBN 0-521-44328-8
8. Moore, S., and **Fishback, J.L.** in "Neurosurgery Board Review", Moore, S., Editor. Chapter 4: Neuropathology. Blackwell Scientific Publishing, Oxford, UK, 2005. ISBN 1-4051-0459-7
9. **Fishback, J.L.** and O'Connor, D.J. "[Crash Course: Pathology, 1st Edition](#)", **Fishback, J.L.**, Editor, Elsevier Science Limited, London, UK, 2005, ISBN 0-323-03308-3.

Published abstracts: (Provide names of all authors, year, title, where published, volume, and pages.)

1. Otolaryngologic diagnoses among commercial airline flight attendants. Dalitsch, W. W. **Fishback, J. L.** Parmet, A. J. Bono, G. L. Mayo, M. S. *Aviation, Space, and Environmental Medicine* 77 (3), page 216, Abstract 5, 2006.
2. Cardiovascular diagnoses among commercial airline flight attendants. Dalitsch, W. W. **Fishback, J. L.** Parmet, A. J. Bono, G. L. Mayo, M. S. *Aviation, Space, and Environmental Medicine* 78 (3), page 318, Abstract 454, 2007.
3. "[Shaping Your Curriculum with Cutting-Edge Technology](#)", Short Communication 4D/SC4, page 62. Robert M. Klein, Michael Karr, and **James L. Fishback**, presented by JLF at the Association for Medical Education in Europe (AMEE), Trondheim, Norway, 27 August 2007.
4. [Introduction of an Electronic Curriculum: Implementation and Evaluation after 3 years](#). Robert M Klein*, Giulia A Bonaminio, Heidi Chumley, Glendon G Cox, **James L. Fishback**, Michael Karr, Anthony Paolo. Abstract CI-132. Presented by RMK at the International Association of Medical Science Educators (IAMSE), University of Leiden, Leiden, Netherlands, 2 July 2009.
5. Musculoskeletal diagnoses among commercial airline flight attendants. Dalitsch, W. W. **Fishback, J. L.** Parmet, A. J. Bono, G. L. Mayo, M. S. *Aviation, Space, and Environmental Medicine* 79 (3), page 212, Abstract 22, 2008.
6. Patterns of Substance Abuse and Dependence Among Commercial Airline Flight attendants. Dalitsch, W. W. **Fishback, J. L.** Parmet, A. J. Bono, G. L. Mayo, M. S. *Aviation, Space, and Environmental Medicine* 79 (3), page 243, Abstract 149, 2008.
7. [Integration of Pathology and Histology in an Electronic Curriculum](#). Robert M. Klein, Michael D. Karr, Anthony Paolo, and **James L. Fishback**. *FASEB J.* 23: 310.3, 2009
8. [Three Years of Lessons Learned with an Integrated Electronic Undergraduate Medical Curriculum](#): Robert M Klein*, Giulia A Bonaminio, Heidi Chumley, Glendon G Cox, **James L. Fishback**, Michael Karr, Anthony Paolo. Abstract 3H1. Association for Medical Education in Europe (AMEE), Malaga, Spain, 29 August 2009.

3. **Presentations and posters**

Oral paper presentations: (Provide names of all authors, title, sponsoring organization, extent of peer-review, and location and date of presentation.)

- "Histopathology of Infectious Disease", presented by JLF at the Binford-Dammin Infectious Disease Society, International Academy of Pathologists, Toronto, Canada, March 1995.
- "Teaching Pathology on the World Wide Web", presented by JLF at the CGEA Spring Meeting, Ritz Carlton Hotel, Kansas City, MO, 27 Mar 1999.
- "[Effective Image Management and Utilization](#)", presented by JLF at the Association of Pathology Chairs Annual Meeting, Fairmont Tremblant Hotel, Mont Tremblant, Quebec, Canada, 28 Jul 2005
- "[Medicine's New Tablet: Thirty Days of Reflection and Experience](#)", Michael Karr and James L. Fishback, HP Webinar series on Teaching, Learning & Technology in Higher Education, presented by JLF and MK, 28 August 2006.
- "[Supporting a New Integrated Curriculum at KU Medical Center](#)", presented by JLF at the CHECK Conference, Pittsburg State University, 23 May 2007
- "[Where Did I Put My Microscope? Hands on With Virtual Microscopy](#)", Robert M. Klein, Michael Karr, and James L. Fishback, a workshop presented at Slice of Life 2007, 27 June 2007, University of Utah, Salt Lake City, UT.
- "[Supporting a New, Integrated Medical Curriculum with Technology](#)", presented by JLF at the Graylyn Conference, 10 Jun 2007, Graylyn Mansion, Winston Salem, NC
- "[Tele-teaching and Podcasting in Medical Education](#)", presented by JLF at the Association of Pathology Chairs Annual Meeting 2007, New Frontiers for Pathology Education, July 19th, 2007, Cheyenne Mountain Resort, Colorado Springs, CO.
- "[Shaping Your Curriculum with Cutting-Edge Technology](#)", Short Communication **4D/SC4**, page 62. Robert M. Klein, Michael Karr, and James L. Fishback, presented by JLF at the Association for Medical Education in Europe (AMEE), August 27, 2007, Trondheim, Norway.
- "[Use of new technology to enhance learning of the foundational sciences in medical education](#)", Invited Symposium 7C, page 128. James L. Fishback and Michael Karr, presented by JLF and MK at the Association for Medical Education in Europe (AMEE), August 28, 2007, Trondheim, Norway.
- "[A New View: Leaving Microscopes Behind](#)", Michael Karr, Robert M. Klein, and James L. Fishback, presented by JLF at Pathology Visions, 22 Oct 2007, San Diego, CA
- [Podcasts for Review, Simple and Effective Tools](#), Michael Karr and **James L. Fishback**, presented by MK and JLF at the Slice of Life/IAMSE meeting, 26 Jun 2007, University of Utah.
- "[Where Did I Put My Microscope? Virtual Microscopy](#)." IAMSE invited workshop, Michael Karr, James L. Fishback, and Robert M Klein, presented by RMK and JLF at the Slice of Life/IAMSE meeting, 26 Jun 2007, University of Utah.
- [Introduction of an Electronic Curriculum: Implementation and Evaluation after 3 years](#). Robert M Klein*, Giulia A Bonaminio, Heidi Chumley, Glendon G Cox, James L. Fishback, Michael Karr, Anthony Paolo. Abstract CI-132. Presented by RMK at the International Association of Medical Science Educators (IAMSE), University of Leiden, Leiden, Netherlands, 2 July 2009.
- [Three Years of Lessons Learned with an Integrated Electronic Undergraduate Medical Curriculum](#): Robert M Klein*, Giulia A Bonaminio, Heidi Chumley, Glendon G Cox, James L. Fishback, Michael Karr, Anthony Paolo. Abstract 3H1. Presented by RMK at the Association for Medical Education in Europe (AMEE), Malaga, Spain, 29 August 2009.
- "Where have we been? Where are we going? Evolution of learning tools for medical education." JLF will present on Virtual Microscopy in Medical Education as an invited discussant for the 2009 American Association of Medical Colleges (AAMC), Annual Meeting, Boston, MA, Hynes Convention Center, 8 Nov 2009.

Scientific papers presented at local and regional meetings:

- "Web 2.0 and Teaching: Wikis, Blogs, Podcasting, Social Networking, and the Challenges of Teaching Millennial Medical Students", 6 Oct 2008, Pathology Grand Rounds, University of Kansas School of Medicine. James L. Fishback.
- Invited discussant in a 4-hour faculty development televideo workshop at KUMC entitled "Effective Lecturing", Jan 16, 1998. This workshop was broadcast to School of Medicine sites in Wichita and Salina, KS

- Invited discussant for a faculty development workshop on "Effective Lecturing", given Jan 9, 1999
- Invited discussant, "Concept Mapping", KUMC Education Retreat, 2005
- Invited discussant, "Tablet PC Concepts", KUMC Education Retreat, June 16, 2006
- Invited discussant for a faculty development workshop on "Effective Lectures: In Groups or Online", given 16 Feb 2007, University of Kansas School of Medicine
- Invited discussant for a faculty development workshop on "Feedback and Coaching Techniques in the Clinic and Academic Settings", given 9 Mar 2007, University of Kansas School of Medicine
- Invited discussant for a faculty development workshop on "I-Pods and Podcasting", given 27 Apr 2007, University of Kansas School of Medicine
- Invited discussant for a Teaching and Learning Technologies faculty development workshop on "Podcasting and Camtasia Relay", 23 Apr 2009
- Invited discussant for the University of Kansas Teaching Summit, Lawrence Campus, September, 2009.

Poster presentations: (Provide names of all authors, title, sponsoring organization, extent of peer-review and location and date of presentation.) Poster presentations at national and international meetings:

- ["Introduction of an integrated, electronic undergraduate medical curriculum: implementation and evaluation after two years"](#), Robert M Klein, Michael Karr, Giulia A Bonaminio, Anthony Paolo, Glendon G Cox & **James L Fishback**, presented by RMK at the Association for Medical Education in Europe (AMEE), Abstract pg. 201, September 2, 2008, Prague, Czech Republic.
- ["Faculty and Student Attitudes towards Computers, Electronic Textbooks, and Podcasts in a Technology Enhanced Integrated Medical School Curriculum"](#), Rochester, MN. Giulia A. Bonaminio, PhD, Anthony M. Paolo, PhD, Michael Karr, BFA, **James L. Fishback, MD**, Amal Latif, MS, Glendon G. Cox, MD. Poster presented by GAB at the Central Group on Educational Affairs meeting, March 26-28, 2009.

Poster presentations at local and regional meetings:

N/A

Invited seminars at other universities: (Provide title, sponsoring organization or institution, and date of presentation.)

- "Teaching Microbiology on the World Wide Web", presented by JLF at Infectious Disease Grand Rounds, Duke University School of Medicine, 1996
- "Teaching with Technology: Virtual Microscopy", presented by JLF at Pathology Grand Rounds, 26 March 2008, University of Vermont.

4. Other evidence of scholarship (includes clinical guidelines, policy documents, contributions to significant position statements by professional organizations, and development of national examinations)

[Assessment Recommendations. final](#) ▼

[Curriculum Report Educational Retreat 12 Jun 09](#) ▼

[Curriculum Report Educational Retreat 13 Jun 08](#) ▼

[KUMC Module director duties final](#) ▼

[Phase I Curriculum Director job description FINAL](#) ▼

[Salina After Action Report 09152009](#) ▼

[Timetable for implementation of the new curriculum](#) ▼

Member, 2009, Standard-setting committee, National Board of Medical Examiners, USMLE, Step 1