

CURRICULUM VITAE

Fangyuan Fred Zhang, MD, MSc, FCAP, FASCP

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Professional Positions

Staff Pathologist
Heartland Pathology, PA
Wichita, Kansas

Assistant Professor
Surgical/Cytopathologist
Department of Pathology
University of Florida Health Science Center
Jacksonville, Florida

Education

Beijing Medical University
(Currently Peking University Health Science Center)
Beijing, China
M.D. Received

University of Toronto
Department of Physiology
Toronto, Ontario, Canada
M.Sc Received

Post Graduate Training

Fellowship in Cytopathology
University of Kentucky Hospitals
Lexington, Kentucky

Residency in Anatomic and Clinical Pathology
North Shore University Hospital
New York University Medical School
Manhasset, New York

Residency in Orthopedics
Ji Shui Tan Hospital
Beijing Medical University
Beijing, China

Board Certification

Board Certified, Anatomic Pathology and Clinical Pathology
Board Certified, Cytopathology

Medical Licensure

Active: Florida, Kansas
Inactive: Pennsylvania, Kentucky

Academic Appointments and Teaching Experience

Volunteer Clinical Assistant Professor
Department of Pathology
University of Kansas Medical School-Wichita
Wichita, Kansas

Assistant Professor
Department of Pathology
University of Florida Health Science Center
Jacksonville, Florida

Research Activities

Assistant Professor
Department of Pathology
University of Florida Health Science Center
Jacksonville, Florida

(1) the role of reflex HPV test in older women diagnosed with ASC-H; (2) the role of immunohistochemical stain P53, telomerase and c-myc in assisting diagnosis of pancreatic adenocarcinoma on FNA material.

Cytopathology Fellow
University of Kentucky
Lexington, Kentucky

Accuracy of ThinPrep Imaging System in detecting low-grade squamous intraepithelial lesions.

Research Associate
University of Texas-Houston Health Science Center
Houston, Texas

Cartilage oligomeric matrix protein (COMP) in pseudoachondroplasia. Interaction of COMP with other matrix proteins and the promoter region for the regulation of COMP expression.

Research Associate
University of Texas Medical Branch at Galveston
Galveston, Texas

Structural study of a sodium coupled bicarbonate transporter. Development of an early detection method for HIV infection by using HIV membrane and core proteins.

Research Associate
University of Toronto, Hospital for Sick Children
Toronto, Ontario, Canada

Pathogenesis of cystic fibrosis, intracellular trafficking and degradation mechanism of cystic fibrosis transmembrane conductance regulator (CFTR).

Graduate Student
University of Toronto
Toronto, Ontario, Canada

Studied effect of MAO inhibitors on axonomized motoneurons and compared their effect with some neurotrophic factors.

Publications

F. Zhang, H. Bank, S. Langford and D.D.Davey. Accuracy of ThinPrep® Imaging System in Detecting Low Grade Squamous Intraepithelial Lesions. *Arch Pathol Lab Med.* 131: 773-776 (2007)

F. Zhang and A. Pajor. Topology of the Sodium/Dicarboxylate Cotransporter: The N-terminus and Hydrophilic Loop 4 are Located Intracellularly. *Biochemica et Biophysica Acta.* 1511(1): 80-89. (2001)

F. Zhang, N. Kartner and G.L. Lukacs. Limited proteolysis as a probe for arrested conformational maturation of delta F508 CFTR. *Nature Structural Biology.* 5(3): 180-183 (1998)

G.L. Lukacs, G. Segal, N. Kartner, S. Grinstein and **F. Zhang**. Constitutive Internalization of CFTR Occurs via Clathrin-Dependent Endocytosis and Is Regulated By Protein Phosphorylation. *Biochemical Journal.* 328(2): 353-361(1997)

Y-H. Chow, H. O'Brodovich, J. Plumb, Y. Wen, K-J. Sohn, **F. Zhang**, G.L.Lukacs, A.K. Tanswell, C-C. Hui, M. Buchwald and J. Hu. Development of An Epithelium-Specific Expression Cassette with Human DNA Regulatory Elements for Transgene Expression in Lung Airways. *Proceedings of the National Academy of Sciences, U.S.A.*, 94: 14695-14700 (1997)

F. Zhang, P.M. Richardson, D.P. Holland, Q. Guo and W.G. Tatton. CNTF or (-)-Deprenyl in Immature Rats: Survival of Axotomized Facial Motoneurons and Weight Loss. *Journal of Neuroscience Research.* 40(4): 564-70 (1995)

C. Wang, R. Zhang, **F. Zhang**. Analysis of the Treatments for Cerebral Palsy (168 cases). *Journal of Bone and Trauma.* 4: 317-323 (1987)

Abstracts

C. Nguyen, Z. Parveen, P. Pragasam, S. Masood, **F. Zhang**. Potential role of age-directed HPV reflex testing in managing patients with atypical squamous cells, cannot exclude

high-grade squamous intraepithelial lesion on cervical PAP smears. (2007) 55th annual scientific meeting of American Society of Cytopathology, Houston, Texas, USA.

C. Nguyen, Z. Parveen, S. Masood, **F. Zhang**. Role of HPV Reflex Testing In Managing Patients With ASC-H On Cervical PAP Smears: One Institution's Experience. (2007) University of Florida Health Science Center-Jacksonville Research Day, Jacksonville, USA.

Z. Parveen, C. Nguyen, S. Masood, **F. Zhang**. Role of immunohistochemical stain for P53, telomerase and c-myc in assisting diagnosis of pancreatic adenocarcinoma on FNA material. (2007) University of Florida Health Science Center-Jacksonville Research Day, Jacksonville, USA.

F. H. Chen, A.O. Thomas, **F Zhang**, J.T. Hecht, J. Lawler. Cartilage Oligometric Matrix Protein Interaction with Aggrecan. (2003) ORS 50th Annual Meeting, San Francisco, USA.

F. Zhang and A. Pajor. Intracellular Localization of the N-terminus and Hydrophilic Loop 4 of NaDC-1. (2000) The 4th CSA Symposium, Galveston, Texas, USA.

D. Ferguson, **F. Zhang**, N. Kartner and G.L. Lukacs. Reconstitution of the cystic fibrosis transmembrane conductance regulator (CFTR) degradation in the endoplasmic reticulum. (1997)Biology of Proteolysis, Cold-Spring Harbor Symposium, USA.

G.L. Lukacs, G. Segal, D. Ferguson, J. Chamberlain, N. Kartner, **F. Zhang**. ER associated degradation of misfolded CFTR in vitro and in vivo. (1997) American Society for Cell Biology 37th Annual Meeting, Washington, USA.

G. Segal, W. Hu, **F. Zhang**, N. Kartner, S. Grunstein, and G.L. Lukacs. Internalization of cystic fibrosis transmembrane conductance regulator (CFTR) is mediated by clathrin-dependent endocytosis. (1996) Protein Transport and Stability, 1st Cell Biology Symposium of the MDC, Berlin, Germany.

K.S. Ansari, **F. Zhang**, D. Holland, W.G. Tatton. R(-)-deprenyl, not its major metabolites, rescue the axotomized immature rat facial motoneurons. (1993). Annual Meeting of Society for Neuroscience, USA. Vol. 19 (1):441 (187.8)

Society Memberships

2001 College of American Pathologist

2002 American Society of Clinical Pathology

Honors

University of Toronto Life Science Committee Summer Graduate Award (1992)