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Current Position Associate Professor of Pathology
Pathology Residency Program Director
University of Florida-Jacksonville SOM
Jacksonville, FL

Education M.D. (M.B., B.S.), Dow Medical College SOM,
Karachi, Pakistan
February 1983

M.M.Sc., Clinical Immunology, Emory University,
Atlanta, GA
August 1986

Residency & Fellowship Training Anatomic & Clinical Pathology Intern (PGY1)
State University of New York at Stony Brook SOM
New York, NY
June 1996.

Anatomic & Clinical Pathology Resident (PGY2-4)
Emory University School of Medicine

Atlanta, GA
June 1999.

Cytopathology Fellow, University of Florida
Jacksonville, FL
June 2002.

Certifications

Cytopathology ABP Re-certification
September 2015

The International Board of Cytopathology
November 2014

Anatomic Pathology ABP Re-certification
July 2013

American Board of Cytopathology
October 2007

Anatomic Pathology, Diplomate of the American Board of
Pathology
May 2006

ECFMG Certificate
May 1994.

Licenses

New York State, License # 221136
Mississippi State License # 17808
California State License # A80866
Florida State License # ME 113588
Georgia State License # 072815

**Professional
Experience**

Established, incorporated, and managed a private clinical
pathology laboratory (14 employees).
Modern Diagnostic Services, Ltd., Karachi, Pakistan
January 1987 - May 1994

Assistant Professor & Attending Pathologist
Department of Pathology, University of Mississippi SOM
October 2002 – 2007

Co-Director M2 Pathology Course
University of Mississippi SOM
July 2005 – 2008

Associate Professor & Attending Pathologist
Department of Pathology, University of Mississippi SOM
2008 – November 2012

Member Faculty Senate
University of Mississippi SOM
July 2007 – November 2012

Pathology Residency Program Director
University of Mississippi SOM
August 2008 – July 2012

Associate Professor & Attending Pathologist
Department of Pathology, University of Florida-Jacksonville
SOM
December 2012 – Present

Pathology Residency Program Director
University of Florida-Jacksonville SOM
December 2012 – Present

**Scientific
Research
Experience**

Post Doctoral Research Fellow
Emory University School of Medicine
Atlanta, GA
August 1994 - June 1995
(Conducted research in the Department of Pathology using
Quantitative Polymerase Chain Reaction to study cytokine mRNA
changes following the immunization of animals with experimental
vaccines for malaria)
Mentor: Professor Robert L. Hunter, M.D., Ph.D.

**Honors &
Accomplishments**

Awarded a full merit-based scholarship for medical school for
ranking in the top ten percent of the medical school entrance
examination

Member, Graduate Medical Education Committee

University of Mississippi SOM.

Member, Medical School Promotions Committee
University of Mississippi SOM

Member, Pathology Curriculum Committee
University of Mississippi SOM

Member, Faculty Senate
University of Mississippi SOM

President, Cytotechnology Advisory Committee
University of Mississippi
School Of Health Related Professions

Achieved for my Residency Program at University of Mississippi, ACGME Continued Accreditation for next four years (2011-2015) with no deficiencies. That translates into continued funding for the residency program approximately \$4 million over four years

Helped train 16 Cytopathology fellows since I since I started practicing pathology

Member Program Committee for Association of Clinical Scientists, Annual Meeting 2014, Amelia Island, Florida May 28-31

Achieved for my Residency Program at University of Florida-Jacksonville, ACGME Continued Accreditation for next ten years (2014-2024). That translates into continued funding for the residency program approximately >\$8 million over ten years

Awarded University of Florida, Jacksonville Dean's Fund Faculty Research Grant \$10,000 for 2015-2016

Ad-hoc reviewer for Cancer Cytopathology, Diagnostic Cytopathology & Experimental Pathology

Memberships

Member, International Academy of Cytopathology

Member, American Society of Cytopathology

Member, United States and Canadian Academy of Pathology

Member American Medical Association

Member Association of Pathology Chairs and Program Directors

Fellow Member, College of American Pathologists

Fellow Member, American Society of Clinical Pathology

Publications

Peer-reviewed articles:

1. **Siddiqi AM**, Jennings VM, Kidd MR, Actor JK, and Hunter RL, 1996. "Evaluation of electrochemiluminescence and bioluminescence based assays for QPCR." *Journal of Clinical Laboratory Analysis*, **10(6)**: 423-431.
2. Akhtar I, Flowers R, **Siddiqi AM**, Heard K and Baliga M, 2006. "Analysis of fine needle aspiration biopsy of vertebral and paravertebral lesions. Retrospective study of 124 cases with literature review." *Acta Cytologica*, **50(4)**: 364–371.
3. Baliga M, Flowers R, Heard K, **Siddiqi AM**, Akhtar I, 2007. "Solitary fibrous tumor of the lung: A case report with a study of the aspiration biopsy, histopathology, immunohistochemistry, and autopsy findings." *Diagnostic Cytopathology*, **35(4)**:239-244.
4. **Siddiqi AM**, Li H, Faruque F, Williams W, Lai K, Hughson M, Bigler S, Beach J & Johnson W, 2008. "Use of hyperspectral imaging to distinguish normal, precancerous, and cancerous cells." *Cancer Cytopathology*, **114(1)**:13-21.
5. **Siddiqi AM**, Hamilton RD, Minocha A, 2008. "Malignant seeding of Percutaneous Endoscopic Gastrostomy (PEG) tract in patient with head and neck cancer." *American Journal of Medical Sciences*, **336(3)**:291-292.

6. Akhtar I, Ispas CL, Flowers R, **Siddiqi AM**, Young L, Donenellan KA, Heard K, and Baliga M, 2009.
“Ductopapillary apocrine carcinoma of the eyelid metastatic to parotid gland: Report of a case diagnosed by fine needle aspiration biopsy.” *Diagnostic Cytopathology*, **37(2)**: 91-95.
7. **Siddiqi AM**, Spataro M, McIntire H, Akhtar I, Baliga M, Flowers R, Lin E, Guo M, 2009. “Hybrid capture 2 (hc2) hpv dna testing for women with ASC-US pap results in Surepath and Thinprep pap specimens”. *Cancer Cytopathology*, **117(5)**: 318-325.
8. Tang M¹, **Siddiqi AM**², Witt B³, Johnson B⁴, Fraser N¹, Chen W¹, Rascon R¹, Yin X¹, Goli H², Bronner M³, Bodamer OA⁴, Lai K^{1*}. Sub-fertility and growth restriction in a new galactose-1 phosphate uridylyltransferase (GALT) - deficient mouse model, *European Journal of Human Genetics* 2014 Oct; 22(10): 1172–1179.
9. Kubik MJ, Bovbel A, Goli H, Saremian J, **Siddiqi A**, Masood S. Diagnostic value and accuracy of imprint cytology evaluation during image-guided core needle biopsies: Review of our experience at a large academic center. *Diagnostic Cytopathology* 2015 Oct; 43(10):773-9.
10. Ali R, Baldeo C, Onyenekwe J, Lala R, Landa C, **Siddiqi A**. Atypical Endobronchial Carcinoid with Postobstructive Pneumonia Obscuring the Diagnosis of Granulomatosis with Polyangiitis. *Case Rep Rheumatol*. 2015; 2015:513602.
11. Kent Lai Bijina Balakrishnan; Wyman Chen; Manshu Tang; Xiaoping Huang; Didem Demirbas Cakici; **Anwer Siddiqi**; Gerard Berry. Galactose-1 phosphate uridylyltransferase (GalT) gene: a novel positive regulator of the PI3K/Akt signaling pathway in mouse fibroblasts. *Biochemical and Biophysical Research Communications* 2016 Jan 29; 470(1):205-12.

12. Abdulwahab Hritani, Francois Jo-Hoy, **Anwer Siddiqi**, Candice Baldeo, Andreea Poenariu. Acute Renal Infarction Pathogenesis and Atrial Fibrillation: Case Report and Literature Review. *World J Nephrol Urol*. 2016;5(1):11-15.
13. Chen W, Caston R, Balakrishnan B, **Siddiqi A**, Parmar K, Tang M, Feng M, Lai K. Assessment of ataxia phenotype in a new mouse model of galactose-1 phosphate uridylyltransferase (GALT) deficiency. *J Inherit Metab Dis*. 2017 Jan;40(1):131-137. doi: 10.1007/s10545-016-9993-2. Epub 2016 Oct 25.

Book chapter:

Bhaijee F, **Siddiqi A**. Fine needle aspiration for head and neck tumors. In: Kountakis SE (ed). *Encyclopedia of Otolaryngology, Head and Neck Surgery*. Springer Reference Work. **ISBN 978-3-642-23498-9**

Presentations

At State, National & International Meetings:

1. Evaluation of Quantitative Polymerase Chain Reaction (QPCR) for the study of murine cytokine message. **Siddiqi A**, Experimental Biology 95, Atlanta, Georgia, April 9-13, 1995.
1. Immunocytochemistry as an aid to cytodiagnosis of breast cancer cells in effusions. **Siddiqi A** et. al. 44th Annual Scientific Meeting, November 5-9, 1996, American Society of Cytopathology, *Acta Cytologica* 40:1054 (1996).
2. Thrombotic microangiopathy in patients with AIDS: Survival with and without plasma exchange. **Siddiqi A**, American Society for Apheresis, 18th Annual Meeting, March 20-22, 1997.
3. Exfoliative breast cytopathology: An experience with ductal lavage. Masood S, **Siddiqi A**, et.al, *Modern Pathology*, Vol. 15, No.1, 79A January 2002.

4. Evaluation of diagnostic efficacy of image guided fine needle aspiration biopsy of neoplastic and non-neoplastic lung lesions: Retrospective study of 721 cases. Akhtar I, Hughson M, **Siddiqi A**, Flowers R and Baliga M, USCAP Annual Meeting, San Diego, CA March 2007.
5. Use of Hyperspectral Imaging in detection of Precancerous cells. **Siddiqi A**, Li H, Williams W, Faruque F, Beach J, Baliga M, Flowers R, Herd K and Hughson M, USCAP Annual Meeting, San Diego, CA March 2007.
6. Fine Needle Aspiration Biopsy (FNAB) of a rare case of malignant seeding of Percutaneous Endoscopic Gastrostomy (PEG) tract: Direct implantation during PEG insertion or seeding via hematogenous spread? **Anwer M Siddiqi**, MD, Robert D Hamilton, MD, Mithra Baliga, MD, Rhyne Flowers, MD and Anil Minocha, MD, ACG Annual Meeting and Postgraduate Course, Philadelphia, PA, October 12 - 17, 2007.
7. Immunohistochemical analysis of CD10 and P16^{INK4a} in uterine malignant mixed tumors. Israh Akhtar, La Farra Young, Chrissy Lalonde, Steven Bigler, Rhyne Flowers, **Anwer Siddiqi**, Mithra Baliga, ASCP Annual Meeting, New Orleans, October 18-21, 2007.
8. Comparison of ThinPrep and SurePath Liquid-based cytology in using Hybrid Capture 2 HPV DNA testing in women with ASC-US Pap results. **Anwer Siddiqi**, Michael Spataro, Mithra Baliga, E Lin, Ming Guo, ASC 55th Annual Scientific Meeting, Houston, Texas, November 2 - 6, 2007.
9. Accuracy of breast lesion fine needle aspiration biopsy in five year results at the University of Mississippi Medical Center. **Anwer Siddiqi**, MD, Aimee Goodier, MD, Ziyen Salih, MD, Israh Akhtar, MD, Rhyne Flowers, MD, Mithra Baliga, MD, ASC's 57th Annual Scientific Meeting, Denver, Colorado, November 13-17, 2009.
10. Cytology as primary diagnostic modality in the diagnosis and classification of Neuroendocrine Neoplasms in various body

- sites: A nine year retrospective review. I Akhtar, **A. Siddiqi**, R Flowers, D Rugnath, A Matthew and M Baliga. USCAP 99th Annual Meeting, Washington DC, March 20-26, 2010.
11. Role of cytology in classifying lung adenocarcinoma and its various subtypes: A five year retrospective review with emphasis on cytomorphology. I. Akhtar, **A. Siddiqi**, R. Bowlin, R. Flowers, M. Baliga. ASC 59th Annual Scientific Meeting, Baltimore, MD, November 4-8, 2011.
 12. Impact of cytodiagnosis on triaging of patients with renal lesions: An eleven-year retrospective study. I. Akhtar, **A. Siddiqi**, Flowers, M. Baliga. ASC 59th Annual Scientific Meeting, Baltimore, MD, November 4-8, 2011.
 13. Cytohistologic Correlation of Parotid Lesions. F. Bhaijee, I. Akhtar, M. Baliga, R. Flowers, **A. Siddiqi**. ASC 59th Annual Scientific Meeting, Baltimore, MD, November 4-8, 2011.
 14. CT findings of thoracoabdominal Involvement in Erdheim-Chester Disease. C. R. Araujo, M. Roda, F. Souza, S. Sebastian, **A. Siddiqi**; 2012 European Society of Radiology, March 1-5, 2012, Vienna, Austria.
 15. Cytohistologic Correlation of Thyroid Lesions: The Effect of the Bethesda System for Reporting Thyroid Cytopathology. F. Bhaijee, K. Brown, I. Akhtar, **A. Siddiqi**. 101st Annual Meeting, March 17-23, 2012 in Vancouver, BC, Canada.
 16. Sustained Delivery of Neuropeptide Y Antagonist (NPY) Triggers Moderate Estrus Activities in Ovariectomized Animals: Zelma Cason, PhD, SCT(ASCP); Ham Benghuzzi, PhD, FBS, FAIMBS; Michelle Tucci, PhD, and **Anwer Siddiqi, MD**. ASC 60th Annual Scientific Meeting, Las Vegas, Nevada, November 2 - 6, 2012.
 17. DNA Recovery From Cytology Slides By Laser Capture Microdissection. Yi Zhuang, MD, MS, Chuhua Zhang, MD, **Anwer Siddiqi, MD**, Zhiqiang Wang, MD, PhD. CAP '13, Gaylord Palms in Orlando, FL, October 13-16, 2013.

18. Sub-fertility and growth restriction in a new galactose-1 phosphate uridylyltransferase (GALT) - deficient mouse model. Tang M¹, **Siddiqi AM²**, Witt B³, Johnson B⁴, Fraser N¹, Chen W¹, Rascon R¹, Yin X¹, *Goli H²*, Bronner M³, Bodamer OA4, Lai K^{1*}. 12th International Congress of Inborn Errors of Metabolism, Barcelona, Spain, September 3-6, 2013.

19. Endobronchial carcinoid tumor with post-obstructive pneumonia obscuring the diagnosis of Granulomatosis with Polyangitis. Robert Alia, Candice Baldeo, Jesse Onenykwe, Roshan Lala, Cristian Landa, Yi Zhuangb, Nauman Nisar, Adriana Doldan, **Anwer Siddiqi**. American College of Physicians, Florida Chapter, Annual Residents and Medical Students Meeting. Wyndham Orlando Resort, Orlando, FL, March 1-2, 2014.

20. Comparison of gynecologic cytology using ThinPrep and SurePath platforms: An institutional experience. Adriana Doldan, M.D., Hani Hojjati, M.D., Sania Shuja, M.D., Ph.D, **Anwer Siddiqi, M.D.**, Jinous Saremian, M.D. 2014 Annual Scientific Conference, American Society for Cytotechnology, Charleston, SC, April 25-27, 2014.

21. Familial Adenoma Polyposis – What is Appropriate Screening? Robert Ali MD¹, Lauren Stemboroski DO¹, Candice Baldeo MD¹, Roshan Lala MD¹, Robert Zaiden Jr MD², **Anwer Siddiqi MD³**, Raafat Makary MD³. The Duval County Medical Society 162nd Annual Meeting, Jacksonville, FL, December 3, 2014.

22. Pulmonary Edema in End Stage Renal Disease obscuring the diagnosis of Chronic Eosniophilic Pneumonia Robert Ali MD¹, Candice Baldeo MD¹, Lauren Stemboroski MD¹, James Cury MD¹, **Anwer Siddiqi MD²**. The Duval County Medical Society 162nd Annual Meeting, Jacksonville, FL, December 3, 2014.

23. Comparative study of high-risk human papilloma virus prevalence in normal and abnormal cervico-vaginal pap smears in population sub-groups in Northeast Florida Janese Trimaldi, MD. Zahid Siddiqui, MD., **Anwer Siddiqi**,

MD. MS., Sania Shuja, MD. PhD. Florida Association of Pathology. Disney Resort, Orlando, FL, February 14-15, 2015.

24. Cervico-vaginal epithelial abnormality and HPV prevalence in North Florida population subgroups. **Anwer Siddiqi**, Jaime Campbell and Sania Shuja. 135th Annual meeting of Association of Clinical Scientists, Salt Lake City, UT, May 14-16, 2015.
25. Wyman Chen, Rose Caston, Manshu Tang, **Anwer Siddiqi**, Kamalpreet Parmar, Merry Feng, Kent Lai. Ataxia phenotype assessment in a new mouse model of galactose-1 phosphate uridylyltransferase (galt) deficiency. 39th Annual Meeting of Society for inherited metabolic disorders, April 3 - 6, 2016, Sawgrass Marriott Golf Resort and Spa, Ponte Vedra Beach, FL.
26. Bijina Balakrishnan, Wyman Chen, Manshu Tang, Xiaoping Huang, Didem Demirbas Cakici, **Anwer Siddiqi**, Gerard Berry, Kent Lai. Galactose-1 phosphate uridylyltransferase (galt) deficiency induces pleiotropic down-regulation of pi3k/akt signaling in mouse fibroblasts. 39th Annual Meeting of Society for inherited metabolic disorders, April 3 - 6, 2016, Sawgrass Marriott Golf Resort and Spa, Ponte Vedra Beach, FL.
27. **Anwer Siddiqi, MD**, MS; Rohit Sharma, MD; and Sania Shuja, MD, PhD. Best Practice: High Risk HPV Test Alone or in Combination with Cervicovaginal Pap Test for Cervical Cancer Screening. USCAP 106th Annual Meeting, Henry B. Gonzalez Convention Center, San Antonio TX, March 4-10, 2017.

Invited Lectures *At National & International Meetings:*

1. Use of Hyperspectral Imaging in Cancer Diagnosis
Department of Health Technology and Informatics, The Hong Kong Polytechnic University, Hong Kong, October 30th, 2008.
2. Use of Hyperspectral Imaging in Cancer Diagnosis

Shaukat Khanum Memorial Hospital Cancer Symposium,
Lahore, Pakistan, November 26th - 28th, 2010.

3. Fine Needle Aspiration Biopsy: Technique and Diagnosis, An Overview of Head & Neck Lesions
Mississippi Society of Histotechnology Annual Meeting, June 25th, 2011.
4. Fine Needle Aspiration Biopsy: Technique and Challenging Diagnostic Cases
University of Tennessee Health Science Center, September 14, 2011.
5. The Evolving ACGME Accreditation System for Residency Training Program
University of Florida, Jacksonville, July 20th, 2012.
6. New Guidelines for Cervical Cancer Screening and Vaccination. University of Florida, Jacksonville, FL, April 15, 2013.
7. Part of Pathology Milestones Beta Test Site Panel
Association of Pathology Chairs and Program Directors
Annual Meeting Boston, MA, July 9-12, 2013.
8. Pap and HPV Testing, OBGYN Grand Rounds, University of Florida, Jacksonville, FL, January 22, 2014.
9. Fine Needle Aspiration Biopsy, Thyroid Multidisciplinary Conference, University of Florida, Jacksonville, FL, March 14, 2014.
10. New Guidelines for Cervical Cancer Screening and Vaccination, 134th Annual Meeting of the Association of Clinical Scientists at the Amelia Island Resort, Jacksonville, FL, May 28 to 31, 2014.
11. Part of Pathology Milestones Beta Test Site Panel, Association of Pathology Chairs and Program Directors Annual Meeting
Boston, MA, July 8-11, 2014.

**Personal
Information**

Marital Status: Single

Licensed Private Pilot

Citizenship: United States of America