

C U R R I C U L U M V I T A E

Jesse Lee Kresak, MD

Associate Professor
Director of Anatomic Pathology
Associate Director, Pathology Residency Program
University of Florida
Department of Pathology, Immunology, and Laboratory Medicine

OFFICE ADDRESS

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EDUCATION

2006-2010 Doctor of Medicine (M.D.)
 University of South Florida College of Medicine

2003-2006 Bachelor of Science (B.S.), Biomedical Sciences
 University of South Florida, Honors College
 Minor in Mathematics and Biophysics

POST-GRADUATE TRAINING

2012-2014 Neuropathology Fellow
 University of Florida, Gainesville, FL

2010-2012 Anatomic Pathology Residency
 University of South Florida, Tampa, FL

PROFESSIONAL EXPERIENCE

2018- present Associate Professor
 Department of Pathology, Immunology, and Laboratory Medicine

University of Florida

2014-present Assistant Professor
 Department of Pathology, Immunology, and Laboratory Medicine
 University of Florida Academic Health Center

PREVIOUS PROFESSIONAL EMPLOYMENT

2011-2012 Pathologists' Assistant
 Moffitt Cancer Center, Tampa, FL
 2012 Pathologists' Assistant
 James A. Haley Veteran's Administration Hospital, Tampa, FL

LICENSURE Florida #ME118055

BOARD Anatomic Pathology, American Board of Pathology, 2015
 CERTIFICATION Neuropathology, American Board of Pathology, 2015

AWARDS

2018 Bailey-Riggs Award (bestowed upon my fellow, Dr. Jason Gregory)
 2017 Novel Resident Educator, University of Florida
 2016 Exemplary Teacher Award, University of Florida
 2015 UF Health Leadership Development Certificate
 2012 Henry A. Azar Award, University of South Florida
 2010 Outstanding Pathology Student, USF
 2009 WB Copeland Scholarship recipient
 2008 American Medical Women's Association grant recipient
 2007 Aaron Bram Medical Student Scholarship recipient

NATIONAL AFFILIATIONS

AD-HOC REVIEWER FOR SCHOLARLY JOURNALS:

Modern Pathology
Histopathology

NATIONAL COMMITTEES AND PROFESSIONAL ASSOCIATIONS

2017 – present Education Committee, Florida Society of Pathologists
 Member
 2016 – present PRISE committee, American Society of Clinical Pathology

	Member
2015 – present	Educational Committee, American Association of Neuropathologists Member
2010 – present	American Society of Clinical Pathology Member
2010 – present	College of American Pathologists, fellow Member
2010 – present	Florida Society of Pathologists Member
2010 – present	United States and Canadian Academy of Pathology Member
2014 – present	PathologyOutlines Editor
2006-2010	American Medical Women’s Association President, USF Chapter 07-08 Member
2007-2008	Committee on Medical Ethics, American Medical Association Member

UNIVERSITY OF FLORIDA COMMITTEES AND GOVERNANCE

2019 – present	Director of Anatomic Pathology
2019 – present	Department of Pathology Chair Search Committee
2019- present	Faculty Senate, Compensation Committee, University of Florida
2017- 2019	Medical Director, Surgical Pathology
2016 – present	Neuro-Oncology Disease Site Group member
2015 – present	Associate Program Director, Pathology Residency
2015 – present	Preston A. Wells, Jr Center for Brain Tumor Therapy, Neuro-oncology practice task force
2015 – 2018	Surgical Pathology Clerkship Director
2015 – present	Clinical Competency Committee, Pathology Residents
2015 – present	Program Evaluation Committee, Pathology Residency Program
2014 – 2015	GI Pathology Faculty Search Committee
2016- 2018	Physician-Scientist, Department of Pathology, Search Committee
2014 – 2015	Neuro-oncology Search Committee, Department of Neurosurgery

PUBLICATIONS

BOOK CHAPTERS

1. **Kresak JL**, Shan F. Molecular Pathology and Diagnostics of Gliomas. In: Coppola D, ed. *Molecular Pathology and Diagnostics of Cancer*, Springer, Dordecht, Netherlands. 2014
2. **Kresak JL**, Rivera-Zengotita M, Foss R, Yachnis AT. CNS Intra-operative Consultation: A Survival Guide for Non-neuropathologists. In: Day C, ed. *Histopathology: Methods and Protocols*, Springer. 2014. 1180:369-76

3. **Kresak JL** Assarzadegan N. Liver Cell Dysplasia. In: *Precision Molecular Pathology of Liver Cancer*, Springer, 2018. 195-211
4. **Kresak JL**, Shen B, Liu, X. Histology Correlation with Common Endoscopic Abnormalities. In: *Atlas of Endoscopy Imaging in IBD*, Elsevier, 2020. *In press*
5. Kresak JL. Cirrhosis. In: *Practical Interpretation of Liver Biopsy.*, *In press*

JOURNAL ARTICLES

1. **Kresak JL**, Nguyen J, Wong K, Davis R. Primary CNS-Hodgkin's Lymphoma: Case Series and Review of the Literature, *Neuropathology*, 2013. 33(6):658-62
2. **Kresak JL**, Roper S, Yachnis A. Lhermitte-Duclos Disease: Circumscribed Cerebellar Cortical Overgrowth with Granule Cell Hypertrophy and Altered PTEN/mTOR Signaling. *Pathology Case Reviews* 2013;18(6):253-256
3. Rivera-Zengotita M, **Kresak JL**. Dysembryoplastic Neuroepithelial Tumor in An Unusual Intraventricular Location. *Pathology Case Reviews* 2013;18(6):271-272
4. **Kresak JL**, Burt M, Rivera-Zengotita M, Yachnis A. Inadvertent Intrathecal Vincristine Administration with Widespread Axonal Injury Demonstrated by Amyloid Precursor Protein Immunohistochemistry. *Acad Forensic Pathol* 2014; 4(4): 563-566
5. **Kresak JL**, Fargen K, Yachnis A, Blackburn S. 59 Year Old Female with Cerebellopontine Angle Hemorrhage. *Brain Pathology* 2015; 25(2): 229-30
6. Lockney DT, **Kresak JL**. Progressive Multifocal Leukoencephalopathy in an Apparently Healthy Child: an unsuspected diagnosis. *Ped Neurosurg* 2015; 50(2):109-11
7. Sayour EJ, McLendon P, McLendon R, De Leon G, Reynolds R, **Kresak J**, Sampson JH, Mitchell DA. Increased proportion of FoxP3+ regulatory T cells in tumor infiltrating lymphocytes is associated with tumor recurrence and reduced survival in patients with glioblastoma. *Cancer Immunol Immunother*. 2015 64(4):419-27
8. Loftus TJ, **Kresak JL**, Gonzalo DH, Sarosi GA Jr, Behrns KE. Duodenal gangliocytic paraganglioma: A case report and literature review. *Int J Surg Case Rep*. 2015 Jan 9;8C:5-8.
9. Edmonson CA, Weaver KJ, **Kresak JL**, Pincus DW. Embryonal tumor with multilayered rosettes of the fourth ventricle: Case Report and review of the literature. *J Neurosurg Ped*. 2015. 7:1-5
10. Duque MA, **Kresak JL**, Falchook A, Harris N. Nitrous Oxide Abuse and Vitamin B12 Action: A case report. *Lab Med*. 2015. 46(4):312-315

11. Dyson K, Rivera-Zengotita M, **Kresak J**, Weaver K, Stover B, Fort J, Rahman M, Pincus DW, Sayour EJ. FGFR1 N546K and H3F3A K27M mutation in a diffuse leptomeningeal tumor with glial and neuronal markers. *Histopath.* 2016. 69(4):704-7
12. **Kresak JL**, Walsh M. Neurofibromatosis: A review of NF1, NF2, and Schwannomatosis. *J Pediatr Genet.* 2016. 05(02):98-104
13. Renati S, Kaur S, **Kresak JL**, Wicklund M, and Malaty I. Granulomatous Meningitis Secondary to Avitene™ (Microfibrillar Collagen). *Neurology Clinical Practice.* Sept. 1-3
14. Beal S, **Kresak JL**, Yachnis AT. Pathology Residents Comprise Inspection Team for a CAP Self-Inspection. *Academic Pathology.* 2017. 4: 1–8
15. **Kresak JL**, Rahman M, Yang C, Huang J, Hiser W, Kubilis P, Mitchell D. Analysis of Immunobiologic Markers in Primary and Recurrent Glioblastoma. *J of Neuro-Oncology.* 2018 Apr;137(2):249-257
16. Hanada Y, Choi AY, Hwang JH, Draganov PV, Khanna L, Sethi A, Bartel MJ, Goel N, Abe S, De Latour RA, Park K, Melis M, Newman E, Hatzaras I, Reddy SS, Farma JM, Liu X, Schlachterman A, **Kresak JL**, Trapp G, Ansari N, Schrope B, Lee JY, Dhall D, Lo S, Jamil LH, Burch M, Gaddam S, Gong Y, Del Portillo A, Tomizawa Y, Truong CD, Brewer Gutierrez OI, Montgomery E, Johnston FM, Duncan M, Canto M, Ahuja N, Lennon AM, Ngamruengphong S. Low Frequency of Lymph Node Metastases in US Patients With Early Gastric Cancer Who Fulfill Japanese Endoscopic Resection Criteria. *Clinical Gastroenterology and Hepatology* 2018
17. Premji S, Kang L, Rojjiani MV, **Kresak J**, Rojjiani AM. Multifocal Necrotizing Leukoencephalopathy: Expanding the Clinicopathologic Spectrum. *J Neuropathol Exp Neurol.* 2019 Feb 7
18. **Kresak JL**, Zehe S, Reichard RR. What Every Neuropathologist Needs to Know: Neuropathology and the US Legal System. *J Neuropathol Exp Neurol.* 2019 Feb 8
19. Jin Z, Zhang D, Zhang Q, Lai J, Akki A, Esnakula A, **Kresak J**, Gonzalo DH, Draganov PV, Xie H, Liu X. Desmoplasia and Detached Papillae in Early Esophageal Adenocarcinoma: A Histologic Study on Endoscopic Submucosal Dissection Specimens. *Gastroenterology Res.* 2019 Apr;12(2):72-77.
20. Lai J, **Kresak JL**, Cao D, Zhang D, Zhang S, Leon ME, Shenoy A, Liu W, Trevino J, Starostik P, Gonzalo DH, Wang H, Liu X, Fan X. Gastric Plexiform Fibromyxoma: A Great Mimic of Gastrointestinal Stromal Tumor (GIST) and Diagnostic Pitfalls. *J Surg Res.* 2019 Jul;239:76-82
21. Hui M, Zhang D, **Kresak JL**, Lai J. Primary Extracranial Meningioma of Mastoid in a Patient with History of Skin Squamous Cell Carcinoma, Lung Adenocarcinoma and Prostatic Carcinoma. *Anticancer Research.* May 2019. Accepted

22. Jin L, Tao H, Karachi A, Long Y, Hou AY, Na M, Dyson KA, Grippin AJ, Deleyrolle LP, Zhang W, Rajon DA, Wang QJ, Yang JC, **Kresak JL**, Sayour EJ, Rahman M, Bova FJ, Lin Z, Mitchell DA, Huang J. CXCR1- or CXCR2-modified CAR T cells co-opt IL-8 for maximal antitumor efficacy in solid tumors. *Nat Commun*. 2019 Sep 5;10(1):4016
23. Brioso Rubio X, Beal S, Ross J, **Kresak JL**. Educational Case: Smooth Muscle Tumors of the Uterus. *Academic Pathology*. July 2019. Submitted for publication
24. Brioso Rubio X, **Kresak JL**, Beal S, Zona M, Ross J. Educational Case: Ectopic Pregnancy. *Academic Pathology*. July 2019. Submitted for publication
24. **Kresak JL**, Kavesh M, Feely M. Educational Case: Esophageal Carcinoma. *Academic Pathology*. Jan 2020; 7.
25. Velez L, Toffel S, Trejo-Lopez J, **Kresak JL**, Beal SG. Educational Case: Etiologies, mechanisms, and treatment of stroke. *Academic Pathology*. Jan 2020; 7.
26. Toffel S, Velez L, Trejo-Lopez J, Beal SG, **Kresak JL**. Educational Case: Opportunistic infections of the central nervous system. *Academic Pathology*. Jan 2020; 7.

ABSTRACTS

1. Setoodeh R, Hakam A, **Kresak, JL**, Shan F. Intracranial metastasis from cervical cancer: case report and review of the literature. *Archives of Pathology & Laboratory Medicine*. 2011, 135(9).
2. **Kresak JL**, Shan F. Visual Changes and Proptosis as Initial Presentation of Metastatic Hepatocellular Carcinoma. *J of Neuropathology and Experimental Neurology*. 2011. 70(6):542-43
3. **Kresak JL**. Rivera-Zengotita M., Devers K, Yachnis A, Siebzehnruhl F. Strong ZEB1 immunoreactivity in IDH1-positive gliomas: a possible link between tumorigenic pathways? *J of Neuropathology and Experimental Neurology*. 2013. 72(6): 564-65
4. **Kresak JL**. Chang, M. Rivera-Zengotita M, Yachnis A. Metachronous Epstein-Barr Virus-Associated Tumors in an Immunocompromised Man. *Archives of Pathology & Laboratory Medicine*. 2013, 137(10).
5. Armaghani A, Zusman B, **Kresak JL**, Stacpoole P, Wicklund M. Primitive Neuroectodermal Tumor of the Spine 25 Years After Pineocytoma Resection. *Society of General Internal Medicine*. 2014. San Diego, CA
6. Rivera-Zengotita M, **Kresak JL**, Pincus D, Yachnis A. Pediatric Brainstem Tumors with Features of Angiocentric Glioma: Report of Two Cases. *J of Neuropathology and Experimental Neurology*. 2014. 73(6)

7. **Kresak JL**, Rivera-Zengotia M, Burt M, Yachnis A. Inadvertent Intrathecal Vincristine Administration with Widespread Axonal Injury Demonstrated by APP Immunohistochemistry. *J of Neuropathology and Experimental Neurology*. 2014. 73(6)
8. O'Connaw W, **Kresak JL**, Rivera-Zengotita M, Rush D. Cacophony of Development: Limb-Body Wall Complex *Archives of Pathology & Laboratory Medicine*. 2014, 138(9): e103.
9. Decker M, **Kresak JL**, Yachnis A, Bova F, Rahman M. Intra-Operative Use Of Fluorescein For Malignant Glioma Resection Differentiates Tumor From Normal Brain Tissue Based On Histopathologic Analysis. *Neuro Oncol* 2014. 16 (11) suppl 5: v141.
10. Rivera-Zengotita M, **Kresak JL**, Smith A, Pincus D, Yachnis A. Disseminated Intraventricular Glioneuronal Tumors: new entity or variation of a theme? *J of Neuropathology and Experimental Neurology*. 2015. 74(6)
11. Chang M, **Kresak JL**, Collinsworth A, Newsom K, Hlady R, Robertson K, Starostik P, Liu C. Characterization of Colorectal Cancer Metastasis-Associated Genes Using Next-Generation Sequencing. *Mod Pathol*. 2016. 29(S2): 158-212
12. Adamczak S, **Kresak J**, Rahman M. Expression of innate immune proteins in human gliomas. Celebration of Research, University of Florida, February 2016
13. Lin J, Snover D, Odze R, Liu X, Lee H, Westerhoff M, Hammer S, Nalbantoglu I, Cummings O, Wang H, McKenna B, Owen S, McHugh J, Saxena R, Shi J, Choi E, Esnakula A, **Kresak JL**, Goldblum J, Appelman H, and Rex D. Does Serrated Polyp Unclassified Exist? A Nationwide Study and Survey. *Mod Pathol*. 2017. 30(S2): 182
14. Kim JT, Ghiaseddin A, **Kresak JL**, Starostik P. Targeted Mutation Profiling by the Extended Next Generation Sequencing Assay and Clinical Utility of Actionable Genomic Alterations in CNS Tumors: A Single Academic Institution Experience. *Mod Pathol*. 2017. 30(S2): 434
15. Hiser W, Kubilis P, Mitchell D, **Kresak JL**. Analysis of Immunobiologic Markers in Primary and Recurrent Glioblastoma. *Mod Pathol*. 2017. 30(S2): 433
16. Patel V, Nasri E, **Kresak JL**, Feely M. Metastatic Malignancies to the Upper Gastrointestinal Tract Encountered on Endoscopic Biopsy: A Clinicopathologic Study. *Mod Pathol*. 2017. 30(S2): 193
17. Beal S, **Kresak JL**, Yachnis AY. "Residents and fellows comprise the inspection team for a CAP self-inspection: An effective way to teach lab management, promote inter-professional collaboration, and prepare residents for practice", Association of Pathology Chairs, Washington DC, July 2017
18. Ngamruengphong S, Choi A, Newman E, Melis M, Gutierrez OB, Yuri Hanada Y, Duncan M, Ahuja N, O'Broin-Lennon AM, Canto M, Johnston F, Montgomery E, Seiichiro A, **Kresak JL**, Schlachterman A, Liu X, Draganov P, Hwang J, Bartel M, Farma J, Reddy S, Khanna

L, Ali R, Park K, Hatzaras I. A multicenter study evaluating risk factors of lymph node metastasis in early gastric cancer in the United States. Digestive Disease Week, Chicago, IL, May 2017

19. Isom JA, Kresak JL, Yachnis A, Walsh M. Giant Cell Ependymoma of the Spinal Cord. Florida Society of Pathologists 44th Annual Anatomic Pathology Conference, Orlando, FL, February 2018.

20. Lai J, **Kresak JL**, Liu X, Zhang D, Gonzalo DH., Fan X. Gastric Plexiform Fibromyxoma: A Great Mimic of Gastrointestinal Stromal Tumor (GIST) and Diagnostic Pitfalls. *Mod Path.* 2018. Accepted USCAP, Vancouver, BC. March 2018

21. Gaffar M, Jin Z, Reppucci J, Olsen G, Harrell D, Esnakula A, Gonzalo DH, **Kresak JL**, Liu X, Feely M. Cessation of Reflex Immunohistochemical Staining Does Not Lead to a Significant Decrease in Helicobacter pylori Detection Rate. *Mod Path.* 2018. Accepted USCAP, Vancouver, BC. March 2018

22. Gaffar M, Harrell D, Reppucci J, Jin Z, Olsen G, Esnakula A, Gonzalo DH, **Kresak JL**, Liu X, Feely M. Impact of Cessation of Reflex Immunohistochemical Staining for Helicobacter pylori on Gastric Biopsy Turnaround Time. *Mod Path.* 2018. Accepted USCAP, Vancouver, BC. March 2018

23. Jin Z, Draganov P, Esnakula E, Akki A, Gonzalo DH, **Kresak JL**, Liu X. Desmoplasia and Detached Papillae: Two Unrecognized Histologic Features of Esophageal Adenocarcinoma. CAPA Meeting, March 17, 2018 in Vancouver, BC, Canada. *Accepted*

24. Gonsalves C, Gaffar M, Reppucci J, **Kresak JL**, Esnakula A, Akki A, Ross J, RiveraZengotita M. The Importance of Pathology Education After The Preclinical Years: A Structured Approach to Teaching Medical Students Gynecological Pathology. (2018) Abstracts and Case Studies From the College of American Pathologists 2018 Annual Meeting (CAP18). Archives of Pathology & Laboratory Medicine: September 2018, Vol. 142, No. 9, pp. e2-e202.

25. Reppucci J, Olsen G, Gaffar M, Harrell D, Jin Z, Esnakula A, Gonzalo D, **Kresak JL**, Liu X, Feely M. Assessment of the Diagnostic Rate of Gastric Intestinal Metaplasia Following Cessation of Reflex Alcian Blue Histochemical Staining. (2018) Abstracts and Case Studies From the College of American Pathologists 2018 Annual Meeting (CAP18). Archives of Pathology & Laboratory Medicine: September 2018, Vol. 142, No. 9, pp. e2-e202.

26. Gu, L; Hernandez M, Robinson, C; **Kresak, JL**. A Case of Granulomatous Amoebic Encephalitis from Balamuthia mandrillaris in a Critical Care Patient. Presented at American Society of Anesthesiology, San Francisco, CA. October 2019

27. Fitzpatrick G, **Kresak JL**. CNS Neuroblastoma with FOXR2 Activation: A recently described embryonal tumor. Florida Society of Pathologists 44th Annual Anatomic Pathology Conference, Orlando, FL, February 2019.

28. Al Qaysi N, **Kresak, JL**. Cathepsin K: A Potential Association Between PEComas and Granulomatous Disease. Mod Path. 2019. USCAP, Baltimore, MD. March 2019
29. Yin F. **Kresak JL**. Yes-Associated Protein 1 (YAP1) is a novel progressive marker for early stage esophageal adenocarcinoma. Mod Path. 2019. USCAP, Baltimore, MD. March 2019
30. De Los Santos Y, Shenoy A, **Kresak JL**. Neuronal Ceroid Lipofuscinosis: An unsuspected cause of epilepsy found at autopsy. Mod Path. 2019. USCAP, Baltimore, MD. March 2019
31. Fitzpatrick G, Garrett T, Rahman M, **Kresak JL**. High-grade and low-grade meningiomas harbor differing metabolomic profiles. Society of NeuroOncology, Phoenix, AZ, November 2019.
32. Sayour E Yang C, Grippin A, Mendez-Gomez H, Dajac M, Tian G, Nazareth B, Andrews M, Karachi A, Stover B, Moore G, Flores-Toro J, DiVita B, **Kresak JL**, Flores C, Huang J, Harrison J, Mitchell D, Deleyrolle L. Metabolic interactions between treatment-resistant slow-cycling cells and the immune system in high-grade glioma. Society of NeuroOncology, Phoenix, AZ, November 2019.

ELECTRONIC PUBLICATIONS

1. Meningiomas, PathologyOutlines, December 2014
2. WHO Grading of Meningiomas, PathologyOutlines, Jan 2014
3. Atypical Meningiomas, PathologyOutlines, Jan 2014
4. Invasive Meningiomas, PathologyOutlines, Feb 2014
5. Papillary Meningioma, PathologyOutlines, March 2014
6. Rhabdoid Meningioma, PathologyOutlines, April 2014
7. Anaplastic Meningiomas, PathologyOutlines, July 2014
8. Hemangiopericytoma, PathologyOutlines, Aug 2014
9. Secretory Meningioma, PathologyOutlines, September 2014
10. Melanocytic Tumors, PathologyOutlines, Oct 2014
11. Chordoid Meningiomas, PathologyOutlines, Feb 2015
12. Clear Cell Meningioma, PathologyOutlines, March 2015
13. Leukodystrophies, PathologyOutlines, June 2015
14. Meningioangiomatosis, PathologyOutlines, April 2016

TEACHING RESPONSIBILITIES

CURRICULUM & COURSE DEVELOPMENT

Wellness in Pathology Residency

Monthly meetings focusing on physical, mental, & financial health

Pathology Case of the Week

<https://unknowns.pathology.ufl.edu/>

Co-creator and editor

2017 – present

UnCommon Reads (IDH3931)– Mental Health in Medicine (Ask again, Yes)
 Honors undergraduate course
 Designed curriculum with weekly 1hour courses and 1 lab over one semester (15 contact hours)
 University of Florida
 2019

UnCommon Reads (IDH3931)– Joseph Lister (TheButchering Art)
 Honors undergraduate course
 Designed curriculum with weekly 1hour courses and 1 lab over one semester (15 contact hours)
 University of Florida
 2019

UnCommon Reads (IDH3931) – ALS (Tuesdays with Morrie)
 Honors undergraduate course
 Designed curriculum with weekly 1hour courses and 1 lab over one semester (15 contact hours)
 University of Florida
 2018

UnCommon Reads (IDH3931) – Huntingtons Disease (Inside the O'Briens)
 Honors undergraduate course
 Designed curriculum with weekly 1hour courses and 1 lab over one semester (15 contact hours)
 University of Florida
 2017

Business of Medicine
 Designed curriculum for pathology residents, 1 month rotation
 University of Florida
 2017 – present

Co-Director, Rad-Path Correlation rotation
 Designed curriculum for radiology residents, 1 month curriculum, 2-3 trainees per year
 University of Florida
 2019 – present

MEDICAL STUDENT LECTURES

2017 – present Medical student lecture in Nutrition and Health (BMS6751)
 - End Effects of Nutritional Alterations

2015 – present Medical student lectures in Dermatology and Musculoskeletal Pathology
 (BMS6635)
 - Peripheral Nerve and Skeletal Muscle Pathology

2015 – present Medical student lectures and laboratory sessions in Gastroenterology and
 Hepatology (BMS 6634)

- Stomach Pathology
- Esophagus Pathology
- Gastrointestinal Tract Pathology Laboratory
- 2015 – present Dental student lectures in Gastrointestinal Pathology (DEN6350)
 - Esophagus & Stomach Pathology
- 2014- Present Medical student lectures and laboratory sessions in Clinical Neuroscience (BMS6020)
 - Tumors of the CNS
 - Toxic & Metabolic Abnormalities of the CNS
- 2014- Present Introduction to Clinical Practice – Preceptor (MDC 6001)

RESIDENT LECTURES

- 2012 - Present Clinical teaching of residents & fellows in Pathology, Neurology, Neurosurgery, and Gastroenterology Fellows, average 15 hours per week
- 2014 – present Didactics for pathology residents, 1 hour each
 - Esophageal Pathology
 - Gallbladder pathology
 - Introduction to Neuropathology Grossing
 - Gliomas part 1
 - Gliomas part 2
 - Neuropathology Jeopardy
 - Unknowns, ad hoc
- 2017 – present CNS tumors for Neurology Boards
Neurology Residents, 2 hours each year
- 2018-present Research for Residents: How, when, what?

INVITED LECTURES

1. Molecular Diagnostics of Gliomas, Invited lecture, Department of Pathology, University of Alabama, Birmingham, June 2011
2. Skeletal Muscle and Peripheral Nerve Pathology. Invited lecture, Pathology and Laboratory Medicine Course, Second-Year Medical Students, USF College of Medicine, Tampa, FL, January, 2012
3. Algorithmic Approach to a Brain Biopsy. Invited lecture, Anatomic and Clinical Pathology residents, USF College of Medicine, Tampa, FL, January 2013

4. Skeletal Muscle and Peripheral Nerve Pathology. Invited lecture, Pathology and Laboratory Medicine Course, Second-Year Medical Students, USF College of Medicine, Tampa, FL, January, 2013
5. Skeletal Muscle and Peripheral Nerve Pathology. Invited lecture, Pathology and Laboratory Medicine Course, Second-Year Medical Students, USF College of Medicine, Tampa, FL, January, 2014
6. Non-Tumoral Surgical Neuropathology, Anatomic and Clinical Pathology residents, USF College of Medicine, Tampa, FL, January 2014
7. Skeletal Muscle and Peripheral Nerve Pathology. Invited lecture, Pathology and Laboratory Medicine Course, Second-Year Medical Students, USF College of Medicine, Tampa, FL, January, 2015
8. Non-Tumoral Surgical Neuropathology, Anatomic and Clinical Pathology residents, USF College of Medicine, Tampa, FL, January 2015
9. Diagnosing Gliomas: an update on molecular standards. Florida Brain Tumor Biomedical Technology Summit, McKnight Brain Institute, Gainesville, FL May 2015
10. The Immune Microenvironment of Glioblastomas, Grand Rounds Moffitt Cancer Center, Tampa, FL November 2015
11. Tumors of the CNS, Anatomic and Clinical Pathology residents, USF College of Medicine, Tampa, FL, November 2015
12. Skeletal Muscle and Peripheral Nerve Pathology. Invited lecture, Pathology and Laboratory Medicine Course, Second-Year Medical Students, USF College of Medicine, Tampa, FL, January, 2016
13. Non-Tumoral Surgical Neuropathology, Anatomic and Clinical Pathology residents, USF College of Medicine, Tampa, FL, January 2016
14. Analysis of Immune Markers in Primary and Recurrent Glioblastomas, Florida Brain Tumor Biomedical Technology Summit, Miami, FL May 2016
15. Neuropathology Review: Osler Institute. Tampa, Florida. October 9, 2016.
16. Skeletal Muscle and Peripheral Nerve Pathology. Invited lecture, Pathology and Laboratory Medicine Course, Second-Year Medical Students, USF College of Medicine, Tampa, FL, January, 2017
17. Frozen Section Diagnosis of Gliomas, Anatomic and Clinical Pathology residents, USF College of Medicine, Tampa, FL, January 2017

18. Incorporation of Medical Director Activities into Pathology Residency Training Programs, Group for Research in Pathology Education, Orlando, FL, January 27, 2017
19. A Career In Pathology, Invited speaker for Pathology Interest Group, College of Medicine, University of Central Florida, Orlando, FL, March 10, 2017
20. Pathology residents on rounds: What are you doing here?, Association of Pathology Chairs, Washington DC, July 2017
21. Surgical Pathology of Epilepsy, Anatomic and Clinical Pathology residents, USF College of Medicine, Tampa, FL, January 2018
22. Skeletal Muscle and Peripheral Nerve Pathology. Invited lecture, Pathology and Laboratory Medicine Course, Second-Year Medical Students, USF College of Medicine, Tampa, FL, January, 2018
23. Skeletal Muscle and Peripheral Nerve Pathology. Invited lecture, Pathology and Laboratory Medicine Course, Second-Year Medical Students, USF College of Medicine, Tampa, FL, January 2018
24. Glioneuronal hamartoma of fibrodysplasia ossificans progressiva. American Association of Neuropathologists, Diagnostic Slide Session, Louisville, KY, June 2018
25. Understanding Pathology, Grand Rounds, Department of Neurology, August 2018
26. Neuropathology Review: Osler Institute. Tampa, Florida. October 8, 2018.
27. Skeletal Muscle and Peripheral Nerve Pathology.” Invited lecture, Pathology and Laboratory Medicine Course, Second-Year Medical Students, USF College of Medicine, Tampa, FL, January 2019
28. Neuropathology Review: Osler Institute. Tampa, Florida. October 6, 2019.
29. Frozen in fear: Algorithmic Approach to Neuropathology Frozen section. Florida Society of Pathology, Orlando, FL, February 2020
30. The Stars Come Out at Night: Challenging Cases in Neuropathology. American Association of Pathology companion meeting, United States & Canadian Academy of Pathologists, Los Angeles, March 2020

INTERNAL LECTURES, PRESENTATIONS, SEMINARS

1. Women in Medicine: past to present. USF College of Medicine, Tampa, FL, November 2007

2. Unexplained Cause of Death: Case review and the role of autopsy. Grand Rounds, USF College of Medicine, Dept of Neurosurgery, Tampa, FL, 2011
3. Neuropathology of the Tuberous Sclerosis Complex. Department of Pathology, University of Florida, February 2013
4. The Inflamed Muscle. Department of Pathology, University of Florida, April 2013
5. The Immune Microenvironment of Glioblastoma. Faculty Candidate Seminar, University of Florida, December 2013
6. Sclerosing Extramedullary Hematopoietic Tumor. American Association of Neuropathologists, Diagnostic Slide Session, Portland, OR, June 14, 2014
7. Diagnosing Gliomas: an evolving effort. Grand Rounds, Department of Pathology, University of Florida, April 2015
8. A Day in the Life, Panelist. Pathology Interest Group, University of Florida, December 2016
9. Pathology as a Career, Panelist, American Medical Womens Association, University of Florida chapter, December 2018
10. Meningiomas. Grand Rounds, Department of Pathology, University of Florida, Gainesville, FL. June 2018
11. Feedback & Evaluations: How & when to use them effectively. Grand Rounds, Department of Pathology, University of Florida, October 2019

RESEARCH AWARDS

CURRENT GRANTS

Funding Agency: Dept of Pathology Clinical Research Committee Grant

Title: Metabolomic Analysis of High Grade Meningiomas

Role: PI

Dates: 8/31/2018 – 5/31/2019

Amount: \$7100.00

Funding Agency: NIH/NIA Grant # P50 AG047266

Grant Title: 1Florida Alzheimer's Disease Research Center, Neuropathology Core

Role: Co-Investigator (5% effort)

Date of Submission: 8/2015

Proposal Amount: \$150,000.00

PAST GRANTS

Funding Agency: FCBTR

Grant Title: An analysis of immunobiologic markers in primary and recurrent glioblastoma

Role: Co – PI (20% effort)

Date of Submission: 6/1/2014 – 6/30/2016

Amount: \$46,530.00

Funding Agency: FCBTR

Grant Title: An Analysis of PD1 pathway activity in malignant pediatric central nervous system (CNS) tumors: a collaborative study.

Role: Co - PI (5% effort)

Dates: 6/1/2014 – 6/30/2016

Amount: \$11,632.50

Funding Agency: Dept of Pathology Clinical Research Committee

Grant Title: The utility of next-generation sequencing in improving diagnostic accuracy in biliary duct brushing specimens with atypical or suspicious cytology (CNS) tumors: a collaborative study.

Role: Co - Investigator

Dates: 11/1/2015– 6/30/2016

Amount: \$4800.00

Funding Agency: Dept of Pathology Clinical Research Committee

Grant Title: Utilization of UF Pathology Laboratories' for next generation sequencing of central nervous system malignancies: a quality assurance project

Role: Co - Investigator

Dates: 11/1/2015– 6/30/2016

Amount: \$3200.00

Funding Agency: Dept of Pathology Clinical Research Committee

Grant Title: Expression of ATRX in pancreatic neuroendocrine tumors and correlation with Ki67 and PHH3 proliferation and mitotic indices

Role: Co - Investigator

Dates: 11/1/2014– 6/30/2015

Amount: \$3000.00

Grants Submitted

Funding Agency: American Cancer Society

Grant Title: Re-programming immunity to target mutations across medulloblastoma subtypes

Role: Co – Investigator (2% effort)

Date submitted: 10/2015

Proposal Amount: \$729,000.00