Date Updated: June 9, 2022

#### CURRICULUM VITAE



**JANNA HACKETT NELTNER, MD**

**Associate Professor, Clinical Title Series**

**Department of Pathology and Laboratory Medicine**

**Division of Neuropathology**

**University of Kentucky College of Medicine**

**UK HealthCare**

**I. General Information**

**Office Address** 800 Rose Street, MS-155

Lexington, KY 40536

**Email** [jmhack0@uky.edu](mailto:jmhack0@uky.edu)

**Telephone** (859) 323-1798

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**Professional Licensure**

**Kentucky State Medical Board**

10/2009-Present #43133

**Board Certification**

**American Board of Pathology**

05/2010-Present Diplomate, Anatomic and Clinical Pathology

07/2012-Present Diplomate, Neuropathology

**Research Certification**

**University of Kentucky Collaborative Institutional Training Initiative**

03/2019-03/2022 Human Research Group 1 Biomedical Investigators and Key Personnel

08/2020-08/2021 Responsible Conduct of Research

11/2021-11/2024 Human Research Group 1 Biomedical Investigators and Key Personnel

11/2021-11/2022 Responsible Conduct of Research

**II. Education**

**Undergraduate**

**University of Kentucky**

Lexington, KY

08/1997—05/2001 Bachelors of Science, Chemistry, *Summa Cum Lade*

Honors Program

**Professional/Graduate**

**University of Kentucky College of Medicine**

Lexington, KY

08/2001—05/2006 Doctor of Medicine

Post-Sophomore Pathology Student Fellowship (07/2003-06/2004)

**Post-Graduate**

**University of Kentucky College of Medicine**

Lexington, KY

07/2006-06/2010 Anatomic and Clinical Pathology Residency

**University of Kentucky College of Medicine**

Lexington, KY

07/2010-06/2012 William R. Markesbery Neuropathology Fellowship

**Continuing**

04/2012 10th annual spring Stereology Short Course, Stereology Resource Center

“Applications of Unbiased Stereology to Biological Systems”

**III. Professional Activities**

**University of Kentucky**

Lexington, KY

05/1999—05/2001 Research Assistant for Dr. D. A Butterfield, Department of Chemistry, part-time

05/2002—08/2002Research Assistant for Dr. Sasha Rabchevsky, Department of Physiology, part-time

**IV. Academic Appointments**

**Faculty**

**University of Kentucky**

Lexington, KY

07/2012-06/2019 Assistant Professor of Pathology and Laboratory Medicine, Clinical Title Series, non-tenure-track, academic, full-time

07/2019-Present Associate Professor of Pathology and Laboratory Medicine, Clinical Title Series, non-tenure-track, academic, full-time

**V. Hospital/Clinical Appointments**

**University of Kentucky**

Department of Pathology

Lexington, KY

07/2012-PresentAssistant/Associate Professor, full-time

**St. Claire Medical Center**

Department of Pathology

Morehead, KY

09-2012-PresentPathologist, part-time

**Veterans’ Affairs Medical Center**

Department of Pathology

Lexington, KY

10/2020-PresentPathologist, part-time (without compensation)

**VI. Consulting Activities**

**National/International**

Aperio Digital Pathology, Leica Biosystems

Buffalo Grove, IL

12/2011—6/2015 Beta-tester (for cytoplasmic digital quantitation algorithm)

**VII. Teaching Activities**

**University Faculty**

**University of Kentucky College of Medicine**

Lexington, KY

07/2006—06/2010 PAT 823/Pathology/Small Group instructor

07/2010—12/2011 Neurology Clinicopathologic Conference (monthly)

07/2010—Present Neuropathology Conference for Neurosurgery residents (monthly)

07/2012—Present MD817 Neurosciences Course (5 hours: CNS tumors, CNS peds and demyelinating disease, CNS infections, and Stroke)

07/2012—Present Retrieval Practice Initiative, Pathology residency curriculum (topics include: three week neuropathology block; vulvovaginal pathology; endometrial lesions; normal histology lecture series; rapid fire reviews in lung, CNS, and GYN; pituitary; multiple slide conferences)

04/2020—Present Eye Pathology Signout, Ophthalmology residents (weekly)

07/2020—Present Eye Pathology Conference for Ophthalmology residents (monthly)

**University of Kentucky College of Dentistry**

Lexington, KY

10/2009—10/2011 OPT 820/General Pathology College of Dentistry/multiple lectures

07/2018—06/2019 OPT 820/General Pathology College of Dentistry/multiple lectures

**VIII. Advising Activities**

**Medical Student Advising**

**University of Kentucky College of Medicine**

Lexington, KY

07/2018-Present Faculty Mentor, People of Pathology interest group (POP)

08/2020 UK Virtual Residency Fair: Pathology Breakout Session

08/2020 M1 Mentor (Alex Stanback), 4 hours

11/2020 M2 Mentor (Kalee Rusnak), 1 hour

04/2021 Alabama College of Osteopathic Medicine Virtual Residency Expo (3 hours)

04/2021 M1 Mentor (Melissa Murphy), 1 hour

04/2021 UK Matchworks, 1 hour

09/2021 Potential UKCOM Applicant (Ivory), 1 hour

03/2022 M3 Mentor (Tony Nesta), 1 hour

06/2022 Undergraduate mentor (Ivory Simon-Okube), 1 hour

**Resident Advising**

**University of Kentucky College of Medicine**

Lexington, KY

07/2012-06/2017 Associate Program Director, Anatomic and Clinical Pathology Residency

07/2017-Present Program Director, Anatomic and Clinical Pathology Residency

*Involves extensive career mentoring and curriculum management over 16+*

*anatomic and clinical pathology residents each year*

**Fellow Advising**

**University of Kentucky College of Medicine**

Lexington, KY

07/2016-Present Fellowship Director, William R. Makesbery Neuropathology Fellowship

*Involves extensive career mentoring and curriculum management over 1*

*neuropathology fellow each year*

*Dr. Vanessa Smith (AP/NP, graduated 06/2017)*

*Dr. Filip Garrett (NP, 07/2019-06/2021)*

**Faculty Advising**

**University of Kentucky College of Medicine**

Lexington, KY

07/2018-06/2019 Junior faculty mentoring: Dr. Rachel Stewart

04/2019-Present Junior faculty mentoring: Dr. Bob McDonald (APD)

**IX. Administrative Activities and University Service**

**College**

**University of Kentucky College of Medicine**

Lexington, KY

***Administration & Clinical Operations***

09/2020—present Roles (Member), UK Faculty Council

***Education and Research***

07/2016—present Roles (Member 2016-2020, Associate chair 2020-present) UK College of Medicine Admissions committee

*Involves extensive application review and interviewing of potential medical school applicants to the UKCOM. Additional involvement includes being a member of the screening subcommittee (07/2018-present), where additional pre-screening of UKCOM applications that fall into the “gray” area of admissions criteria.*

08/2021—10/2021 Roles (Member), UKCOM ACGME Institutional Self Study Workgroup

**Medical Center**

**University of Kentucky College of Medicine**

Lexington, KY

***Administration & Clinical Operations***

07/2012—present Role (Member), Neuro-oncology Tumor Board

*Covers the neuropathology presentation of all CNS tumors presented at the interdisciplinary tumor board*

07/2012—present Role (Member, Backup), Gynecology-Oncology Tumor Board

*Serves as the backup for the primary pathologist to present all GYN tumors presented at the interdisciplinary tumor board*

09/2020—present Role (Member), Statewide Pediatric Molecular Neuro-oncology Tumor Board

*Covers the neuropathology presentation of all UK pediatric tumors presented at the multi-institutional interdisciplinary tumor board*

***Education and Research***

07/2012—present Role (Member), Graduate Medical Education Committee

11/2013—present Role (Member 2013-2018; co-chair 2018-present), Compliance Subcommittee (GME)

*Involves extensive oversight of all ACGME accredited residency and fellowship programs, including special investigative reviews, new program applications, and resident complement increases.*

07/2012—present Role (Member) Neuropathology Core, NIA-funded P30 University of Kentucky

Alzheimer Disease Center

*Involves microscopic examination and reporting of all Sanders Brown autopsies performed, as well as presenting the findings at the monthly clinicopathologic correlation conference.*

**Department**

**University of Kentucky Pathology and Laboratory Medicine**

Lexington, KY

***Education & Research***

07/2012—present Role (Member), Clinical Competency Committee/Resident Oversight Committee (AP/CP residency)

*Evaluates 16 residents every six months on their academic and professional growth*

07/2012—present Role (Member), APCP Program Evaluation Committee

*Evaluates the pathology residency program every year, based on internal and national surveys and other feedback.*

07/2012—present Role (Member), Clinical Competency Committee/Resident Oversight Committee (Neuropathology Fellowship)

*Evaluates the neuropathology fellow every six months on their academic and professional growth*

07/2012—present Role (Member), NP Program Evaluation Committee

*Evaluates the neuropathology program every year, based on internal and national surveys and other feedback.*

07/2018—present Role (Member), Educational Committee

*Initiates and oversees pathology residency curriculum to ensure a quality educational experience for our trainee (meets weekly).*

**X. Special Assignments**

**National/International**

**Accreditation Council for Graduate Medical Education**

Chicago, IL

11/2017—05/2019 Role (member), ACGME Pathology Milestones 2.0 Work Group

*Joined a small group of program directors and updated the Pathology Residency Milestones, a grading scheme used across all pathology residencies to objectively rate residents throughout their residency.*

12/2018—05/2020 Role (member), ACGME Neuropathology Fellowship Milestones 2.0 Work Group

*Joined a small group of fellowship directors and updated the Neuropathology Fellowship Milestones, a grading scheme used across all pathology fellowships to objectively rate fellows throughout their training.*

**XI. Honors and Awards**

**Medical School Scholarships and Awards**

08/2001—05/2006 Beale Academic Scholarship (4 year academic scholarship, University of Kentucky

College of Medicine)

08/2001 Wright Recruitment Scholarship

04/2006 Induction into *Alpha Omega Alpha* Honor Society, University of Kentucky

05/2006 Graduated from UK College of Medicine ranked 3rd in class

**Residency/Fellowship Awards**

01/2011 Elected Fellow, College of American Pathologists

06/2011 Moore Award Honorable Mention for Paper with Best Clinicopathologic Correlation, American Association of Neuropathologists annual conference

**Faculty Awards**

06/2018 Neuropathology Teaching Award, Department of Neurosurgery

06/2019 Neuropathology Teaching Award, Department of Neurosurgery

06/2021 Outstanding Teaching Award, Residents of the Department of Ophthalmology

**XII. Professional Activities, Public Service, And Professional Development**

**Memberships**

07/2006—present Member, College of American Pathologists

07/2006—present Member, United States & Canadian Academy of Pathology

10/2011—present Member, American Association of Neuropathologists

10/2011—12/2015 Member, Digital Pathology Association

02/2012—12/2015 Member, Association for Pathology Informatics

**Professional Development**

**American Association of Neuropathologists**

06/2015 Annual Meeting, Denver, CO

06/2020 Annual Meeting, Virtual, 23.25 CMEs

06/2022 Annual Meeting, Virtual, CMEs pending

**Kentucky Society for Pathologists**

05/2016 Annual Meeting, Equus Run, KY, 3 CMEs

05/2018 Annual Meeting, Equus Run, KY, 3 CMEs

05/2019 Annual Meeting, Equus Run, KY, 3 CMEs

**Contemporary Topics in Surgical Pathology (St. Thomas Health)**

10/2016 Subspecialty session (GYN), Nashville, TN, 5.25 CMEs

**Harvard Medical School**

06/2018 Common Challenges in GYN and OB Pathology, Boston MA, 10.75 CMEs

**Association of Pathology Chairs/Residency Program Directors Section**

07/2018 Annual Meeting, San Diego, CA, 9.75 CMEs

07/2020 Annual Meeting, Virtual, 11.75 CMEs

07/2021 Annual Meeting, Virtual, 14 CMEs

**American Society for Clinical Pathology**

12/2019 ABPath CertLink, 5 CMEs

**United States and Canadian Academy of Pathology**

03/2020-05/2020 Subspecialty Virtual Long Courses, 23.75 CMEs

03/2021 Virtual Annual Meeting

**College of American Pathologists**

1/2019-Present PIPW Courses (4 per year, 10 CMEs each)

10/2020 Annual Meeting, Virtual

**XIII. Speaking Engagements**

**Local**

**University of Kentucky Pathology and Laboratory Medicine**

Lexington, KY

10/2010 Center for Muscle yearly retreat: “Muscle Biopsy Overview”

04/2019 GMEC Meeting: “Annual Program Evaluation Example: Pathology”

08/2020 Faculty Development (Pathology Faculty Meeting): “ACGME Milestones”

09/2020 Pathology Grand Rounds: “Neltner Initiative Retrieval Practice”

04/2021 Office of Faculty Development: “Effective Adult Learning: UK Pathology Departments’ Foray into Retrieval Practice”

06/2022 Ophthalmology Grand Rounds: “Ocular Pathology: Molecular Updates”

**National**

**American Association for Neuropathologists**

06/2011 Annual conference platform presentation: “Pathologic examination of hippocampal sclerosis (N=106 cases and 1,004 controls) in the aging population.”

06/2011 Annual Diagnostic Slide Session: “Lymphomatosis cerebri presenting as Parkinson’s Disease”

**National Institute for Health**

10/2020 Faculty Development Lecture: “Effective Adult Learning: The University of Kentucky’s Foray into Retrieval Practice”

**XIV. Research and Intellectual Contributions**

**A. Publications**

**Peer-Reviewed Original Research in Professional, Scientific or Educational Journals**

1. Lauderback, C.M.; Breier, A.M.; **Hackett**, **J.M.**; Varadarajan, S.; Goodlett-Mercer, J.; Butterfield. D.A. “The Pyrrolopyrimidine U101033E is a Potent Free Radical Scavenger and Prevents Fe(II)-Induced Lipid Peroxidation in Synaptosomal Membranes.” *Bioch. Biophys. Acta*, 2000, *1501*, 149-161.
2. Lauderback, C.M.; **Hackett**, **J.M.**; Keller, J.N.; Varadarajan, S.; Szweda, L.I.; Kindy, M.S.; Markesbery, W.R.; Butterfield. D.A. “Vulnerability of synaptosomes from ApoE Knock-Out Mice to Structural and Oxidative Modifications Induced by Aβ(1-42): Implications for Alzheimer’s Disease. *Biochem*., 2001, *40*, 2548-2554.
3. Lauderback, C.M.; **Hackett**, **J.M.**; Huang, F.F.; Keller, J.N.; Szweda, L.I., Markesbery, W.R.; Butterfield. D.A. “The Glial Glutamate Transporter, GLT-1, Is Oxidatively Modified by 4-hydroxy-2-nonenal in the Alzheimer’s Disease Brain: the Role of Aβ(1-42).” *J. Neurochem*. 2001, *78*, 413-416.
4. Lauderback, C.M.; Kanski, J.; **Hackett**, **J.M.**; Maeda, N.; Kindy, M.S.; Butterfield. D.A. “Apolipoprotein E Modulates Alzheimer’s Aβ(1-42)-Induced Oxidative Damage to Synaptosomes in an Allele-Specific Manner.” *Brain Res*., 2002, *924,* 90-97.
5. Lauderback, C.M.; Drake, J.; Zhou, D.; **Hackett, JM**; Castegna, A; Kanski, J; Tsoras, M.; Varadarajan, S.; Butterfield, DA. “Derivatives of Xanthic Acid are Novel Antioxidants: Applications to Synaptosomes”. *Free Rad. Res.* 2003, *37(4)*, 355-365.
6. Nelson, Peter T., Head, Elizabeth, Schmitt, Frederick A., Davis, Paulina R., **Neltner, Janna H.,** Jicha, Gregory A., Abner, Erin L., Smith, Charles D., Van Eldik, Linda J., Kryscio, Richard J., Scheff, Stephen W. “Alzheimer's disease is not "brain aging": neuropathological, genetic, and epidemiological human studies.” *Acta Neuropathologica*. 2011, May;121(5):571-87.
7. Abner, Erin L., Kryscio, Richard J., Schmitt, Frederick A., SantaCruz, Karen S., Jicha, Gregory A., Lin, Yushun, **Neltner, Janna H**., Smith, Charles D.,  Van Eldik, Linda J., Nelson, Peter T. “End-stage” neurofibrillary tangle pathology in preclinical Alzheimer’s disease—fact or fiction? *J. Alz. Dis.* 2011, Jan 1;25(3):445-53.
8. Nelson, P.; Schmitt, F.; Lin, Y.; Abner, E.; Jicha, G.; Patel, E.; Thomason, Paula; **Neltner, J**.; Smith, C.; Santacruz, K.; Poon, L.; Sonnen, J.; Green, R.; Gearing, M.; Woodard, J.; Van Eldik, L.; Kryscio, R.. “Hippocampal Sclerosis in advanced age: clinical and pathologic features in 106 cases.” *Brain*, 2011, 134:1506-1518.
9. Abner, E. L., R. J. Kryscio, Schmitt, FA; Santacruz, KS; Jicha, GA; Lin, Y; **Neltner, JM**; Smith, CD; Van Eldik, LJ, Nelson, PT. "End-stage" neurofibrillary tangle pathology in preclinical Alzheimer's disease: fact or fiction?" J Alzheimers Dis. 2011, **25**(3): 445-453.
10. Diaz-Guzman, Enrique; **Neltner, Janna**; Hoopes, Charles. “Organ Donation and Moyamoya syndrome.” Letter, *Amer J Transplantation,* 2012 May;12(5):1353-5.
11. Tsuang, Debby; Leverenz, James B; Galasko, Doug, Hamilton, Ronald; Kaye, Jeffrey; Lopez, Oscar; Trojanowski, John Q.; Clark, Christopher, Masliah, Eliezer, Larson, Eric; Crane, Paul; Kukull, Walter; Yearout, Dora; Huston, Haley; Fritts-Penniman, Allison; Kramer, Patricia; Woltjer, Randy; **Neltner, Janna**; Nelson, Peter; Mata, Ignacio; Snappinn, Katherine; Edwards, Karen L.; Schellendberg, Gerard; Montine, Thomas; Zabetian, Cyrus. “GBA mutations increase risk for Lewy body disease with and without Alzheimer’s disease pathology.” Neurology. 2012 Nov 6;79(19):1944-1950.
12. Bachstetter, Adam D; Norris, Christopher M; Sompol, Pradoldej; Wilcock, Donna M; Goulding, Danielle; **Neltner, Janna H**; St Clair, Daret; Watterson, D Martin; Van Eldik, Linda J. “Early stage drug treatment that normalizes proinflammatory cytokine production attenuates synaptic dysfunction in a mouse model that exhibits age-dependent progression of Alzheimer's disease-related pathology.” J Neurosci, 2012 Jul 25;32(30):10201-10.
13. **Neltner, Janna**; Abner, Erin; Schmitt, Frederick; Dension, Stephanie; Anderson, Sonya; Nelson, Peter T. "Digital Pathology and Image Analysis for Robust High-Throughput Quantitative Assessment of Alzheimer Disease Neuropathologic Changes." J Neuropathol Exp Neurol, 2012 Dec; 71(12):1075-85.
14. Tsuang D, Leverenz JB, Lopez OL, Hamilton RL, Bennett DA, Schneider JA, Buchman AS, Larson EB, Crane PK, Kaye JA, Kramer P, Woltjer R, Trojanowski JQ, Weintraub D, Chen-Plotkin AS, Irwin DJ, Rick J, Schellenberg GD, Watson GS, Kukull W, Nelson PT, Jicha GA, **Neltner JH**, Galasko D, Masliah E, Quinn JF, Chung KA, Yearout D, Mata IF, Wan JY, Edwards KL, Montine TJ, Zabetian CP. “[APOE ε4 increases risk for dementia in pure synucleinopathies.](http://www.ncbi.nlm.nih.gov/pubmed/23407718) JAMA Neurol. 2013 Feb;70(2):223-8.
15. **Neltner, J** and Horbinski, C. “A 29 year old woman with mental status changes.” Brain Pathol. 2013 Jul;23(4):479-82.
16. Nelson PT, Smith CD, Abner EL, Wilfred BJ, Wang WX, **Neltner JH**, Baker M, Fardo DW, Kryscio RJ, Scheff SW, Jicha GA, Jellinger KA, Van Eldik LJ, Schmitt FA. [“Hippocampal sclerosis of aging, a prevalent and high-morbidity brain disease.](http://www.ncbi.nlm.nih.gov/pubmed/23864344)” Acta Neuropathol. 2013 Aug;126(2):161-77.
17. **Neltner, Janna**; Abner, Erin; Baker, S; et. al. “Arteriolosclerosis that affects multiple brain regions is linked to hippocampal sclerosis of ageing.” [Brain.](http://www.ncbi.nlm.nih.gov/pubmed/24271328) 2013 Nov 21. [Epub ahead of print]
18. Gilbert, MR, Liu, Y; **Neltner, J**, et al. “Autophagy and oxidative stress in gliomas with IDH1 mutations.” [Acta Neuropathol.](http://www.ncbi.nlm.nih.gov/pubmed/24150401) February 2014, Volume 127 (2) 221-233.
19. Fiore, LS, Ganguly, SS, Sledziona, J, Cibull, ML, Wang C, Richards, DL, **Neltner, JM**, et al. “c-Abl and Arg induce cathepsin-mediated lysosomal degradation of the NM23-H1 metastasis suppressor in invasive cancer.” Oncogene. 2014 Sep 4;33(36):4508-20.
20. Zaytseva YY, Elliott VA, Rychahou P, Mustain WC, Kim JT, Valentino J, Gao T, O'Connor KL, **Neltner JM**, Lee EY, Weiss HL, Evers BM. “[Cancer cell-associated fatty acid synthase activates endothelial cells and promotes angiogenesis in colorectal cancer.](http://www.ncbi.nlm.nih.gov/pubmed/24510238)” Carcinogenesis. 2014 Jun;35(6):1341-51.
21. Xing F, Su H, **Neltner J**, Yang L. “[Automatic ki-67 counting using robust cell detection and online dictionary learning.](http://www.ncbi.nlm.nih.gov/pubmed/24557687)” IEEE Trans Biomed Eng. 2014 Mar;61(3):859-70.
22. Wang WX, Danaher RJ, Miller CS, Berger JR, Nubia VG, Wilfred BS, **Neltner JH**, Norris CM, Nelson PT. “[Expression of miR-15/107 family microRNAs in human tissues and cultured rat brain cells.](http://www.ncbi.nlm.nih.gov/pubmed/24480177)” Genomics Proteomics Bioinformatics. 2014 Feb;12(1):19-30.
23. Scheff SW, Neltner JH, Nelson PT. “[Is synaptic loss a unique hallmark of Alzheimer's disease?](http://www.ncbi.nlm.nih.gov/pubmed/24412275)” Biochem Pharmacol. 2014 Apr 15;88(4):517-528.
24. Nelson PT, Estus S, Abner EL, Parikh I, Malik M, **Neltner JH**, et al. “[ABCC9 gene polymorphism is associated with hippocampal sclerosis of aging pathology](http://www.ncbi.nlm.nih.gov/pubmed/24770881).” Acta Neuropathol. 2014 Jun;127(6):825-43.
25. Hale JS, Otvos B, Sinyuk M, Alvarado AG, Hitomi M, Stoltz K, Wu Q, Flavahan W, Levison B, Johansen ML, Schmitt D, **Neltner JM**, et al. “Cancer stem cell-specific scavenger receptor 36 drives glioblastoma progression.” Stem Cells. 2014 Jul;32(7):1746-58.
26. Crary JF, Trojanowski JQ, Schneider JA, Abisambra JF, Abner EL, Alafuzoff I, Arnold SE, Attems J, Beach TG, Bigio EH, Cairns NJ, Dickson DW, Gearing M, Grinberg LT, Hof PR, Hyman BT, Jellinger K, Jicha GA, Kovacs GG, Knopman DS, Kofler J, Kukull WA, Mackenzie IR, Masliah E, McKee A, Montine TJ, Murray ME, **Neltner JH**, et. al. “[Primary age-related tauopathy (PART): a common pathology associated with human aging.](http://www.ncbi.nlm.nih.gov/pubmed/25348064) Acta Neuropathol. 2014 Dec;128(6):755-66.
27. Attems J, Neltner JH, Nelson PT. [Quantitative neuropathological assessment to investigate cerebral multi-morbidity.](http://www.ncbi.nlm.nih.gov/pubmed/25435922) Alzheimers Res Ther. 2014 Nov 28;6(9):85. eCollection 2014.
28. Berger JR, **Neltner J**, Smith C, Cambi F. “[Posterior reversible encephalopathy syndrome masquerading as progressive multifocal leukoencephalopathy in rituximab treated neuromyelitis optica.](http://www.ncbi.nlm.nih.gov/pubmed/25891552) Mult Scler Relat Disord. 2014 Nov;3(6):728-31.
29. Bachstetter AD, Van Eldik LJ, Schmitt FA, **Neltner JH**, Ighodaro EI, et al “Disease-related microglia heterogeneity in thehippocampus of Alzheimer’s disease, dementia with Lewy bodies, and hippocampal sclerosis ofaging.” Acta Neuropathologica Communications (2015) 3:32
30. Hance JM, Harris JW, Vilchez V, Tzeng CW, Maynard E, Gedaly R, Shah MB, **Neltner J.** [Hepatobiliary mucinous cystadenoma resulting in biliary obstruction.](http://www.ncbi.nlm.nih.gov/pubmed/26031251) Am Surg. 2015 Jun;81(6):E238-9.
31. Yu T, Chen X, Zhang W, Liu J, Avdiushko R, Napier DL, Liu AX, **Neltner JM**, Wang C, Cohen D, Liu C. [KLF4 regulates adult lung tumor-initiating cells and represses K-Ras-mediated lung cancer.](http://www.ncbi.nlm.nih.gov/pubmed/26113043) Cell Death Differ. 2016 Feb;23(2):207-15
32. Ighodaro ET, Jicha GA, Schmitt FA, **Neltner JH**, Abner EL, Kryscio RJ, Smith CD, Duplessis T, Anderson S, Patel E, Bachstetter A, Van Eldik LJ, Nelson PT. [Hippocampal Sclerosis of Aging Can Be Segmental: Two Cases and Review of the Literature.](http://www.ncbi.nlm.nih.gov/pubmed/26083567) J Neuropathol Exp Neurol. 2015 Jul;74(7):642-52.
33. Hensley P, Hilal T, Neltner J, Kumar B. [Maintaining sharp focus on a grainy film: miliary pattern in an elderly woman with acute respiratory failure.](http://www.ncbi.nlm.nih.gov/pubmed/26202315) BMJ Case Rep. 2015 Jul 22; 2015
34. Neltner JH, Abner EL, Jicha GA et al. “Brain pathologies in extreme old age.” Neurobiol Aging. 2016 Jan; 37:1-11.
35. Ighodaro E, Abner EL, et al “Risk Factors and Global Cognitive Status Related to Brain Arteriolosclerosis in Elderly Individuals.” J Cereb Blood Flow Metab. 2016 Jan 6. pii: 0271678X15621574.
36. Nelson PT, Trojanowski JQ, Abner EL, Al-Janabi OM, Jicha GA, Schmitt FA, Smith CD, Fardo DW, Wang WX, Kryscio RJ, **Neltner JH,** Kukull WA, Cykowski MD, Van Eldik LJ, Ighodaro ET.["New Old Pathologies": AD, PART, and Cerebral Age-Related TDP-43 With Sclerosis (CARTS).](http://www-ncbi-nlm-nih-gov.ezproxy.uky.edu/pubmed/27209644) J Neuropathol Exp Neurol. 2016 Jun;75(6):482-98. doi: 10.1093/jnen/nlw033. Epub 2016 May 21. Review.
37. Bachstetter AD, Ighodaro ET, Hassoun Y, Aldeiri D, **Neltner JH,** Patel E, Abner EL, Nelson PT. “Rod-shaped microglia morphology is associated with aging in 2 human autopsy series.” Neurobiol Aging. 2017 Apr;52:98-105. doi: 10.1016/j.neurobiolaging.2016.12.028. Epub 2017 Jan 5.
38. Berger JR, Miller CS, Danaher RJ, Doyle K, Simon KJ, Norton E, Gorelik L, Cahir-McFarland E, Singhal D, Hack N, Owens JR, Nelson PT, **Neltner JH**. “[Distribution and Quantity of Sites of John Cunningham Virus Persistence in Immunologically Healthy Patients: Correlation With John Cunningham Virus Antibody and Urine John Cunningham Virus DNA.](https://www-ncbi-nlm-nih-gov.ezproxy.uky.edu/pubmed/28241186) JAMA Neurol. 2017 Feb 27. doi: 10.1001/jamaneurol.2016.5537. [Epub ahead of print]
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3. [Examining the association between blood-based biomarkers and human post mortem neuropathology in the University of Kentucky Alzheimer's Disease Research Center autopsy cohort.](https://pubmed.ncbi.nlm.nih.gov/35266629/) Winder Z, Sudduth TL, Anderson S, Patel E, **Neltner J**, Martin BJ, Snyder KE, Abner EL, Jicha GA, Nelson PT, Wilcock DM.Alzheimers Dement. 2022 Mar 10. doi: 10.1002/alz.12639. Online ahead of print.
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**B. Abstract Presentations**

**National/International Meetings**

1. Pena, E.; **Neltner, J.** “A Look at "Unrelated to Transfusion" Transfusion Reaction Investigations” AABB Abstract 2007, Abstract #931, Sequence # SP 215. [accepted]
2. **Neltner, Janna**; Schmitt, Frederick; Lin, Yushun; Abner, Erin; Jicha, Gregory; Patel, Ela; Thomason, Paula; Smith, Charles; Santacruz, Karen; Poon, Leonard; Green, Robert; Gearing, Marla; Woodard, John; Van Eldik, Linda; Kryscio, Richard; and Nelson, Peter. “Pathologic examination of hippocampal sclerosis (N=106 cases and 1,004 controls) in the aging population.” AANP Abstract #122, 2011. [accepted]
3. **Neltner, J**; Denison, SK; Patel, E; Anderson, S; Nelson, PT. “High-throughput quantitation of Alzheimer’s Disease neuropathologic changes via digital pathology and image analysis.” 2012 Alzheimer’s Association International Conference [Proposal # 32173; Poster #P1-308]
4. **Neltner, J**; Denison, SK; Patel, E; Anderson, S; Nelson, PT. “The Use of Digital Pathology and Image Analysis to Rapidly Quantitate Alzheimer’s Disease Neuropathologic Changes.” 2012 AANP annual meeting [Poster #66]
5. Nelson, P; **Neltner, J.** “In Alzheimer’s Disease, Braak Stages V and VI Differ Considerably from Each Other.” 2012 AANP annual meeting [Platform #28]
6. Walsh, M; Xing, F; **Neltner, J**; Yang, L; Horbinski, C. “Pilot Study of Digital Image Analysis as a Way to Predict Likelihood of 1p/19q Codeletion in diffuse gliomas.” 2012 AANP annual meeting [Poster #87]
7. Xing, F; Wang, C; Weiss, H; Gal, T; Durbin, E; **Neltner, J;** Nelson, P; Horbinski, C; Bensadoun, E; Yang, L. “Automatic, High Throughput Touching Cell Segmentation on Digitized Lung Cancer Pathology Specimens” Markey Cancer Center Research Day, May 2012
8. Zhan Ye; Jessica Howard; Janna Neltner; David Hung. “Hunting for Immediate Cause of Death in a 75 year old man with multiple diseases”. Poster #5, CAP meeting September 2014.
9. Eseosa Ighodaro, Erin Abner, Sarah Monsell, Walter Kukull, Janna Neltner, Vanessa Smith, David Fardo, Peter Nelson. “Elucidating Subtypes and Risk Factors for Brain Arteriolosclerosis.” Poster P1.195, Neurology 2018.

**C. Sponsored Research Projects, Grants, and Contract Activities**

**Active**

**Project Title:** *Nelson Core D Neuropath: University of Kentucky Alzheimer’s Disease Core Center*

**Project Number:** 5P30AG028383-15

**Principal Investigator(s):** Dr. Peter Nelson, MD, PhD

**Role in Project:** Coinvestigator, autopsy diagnosis/reports

**Percent effort:** 5%

**Institution/University:** Sanders Brown Center on Aging

**Source of Funding:** NIA

**Duration of project:** 07/15/2006-06/30/2021

**Total Award:** $267,206

**Grant Number:** 3210001727

**Project Title:** *Development of a Wearable Fluorescence Imaging Device for Intraoperative Identification of Brain Tumors*

**Project Number:** CED 2020-001-001

**Principal Investigator(s):** Dr. Guoqiang Yu

**Role in Project:** Coinvestigator, neuropathology examination of specimens

**Percent effort:** 2.60%

**Institution/University:** University of Kentucky

**Source of Funding:** Bioptics Technology LLC

**Duration of project:** 08/01/2020-04/16/2021

**Total Award:** $35,198

**Grant Number:** 3048114880

**Project Title:**                     *Development of a Wearable Fluorescence Imaging Device for Intraoperative Identification of Brain Tumors*

**Project Number:**                   R41CA243600-01

**Principal Investigator(s):**      Guoqiang Yu

**Role in Project:**                      Co-Investigator

**Effort:**                                          2 %

**Institution/University:**          University of Kentucky Medical Center

**Source of Funding:**               Bioptics Technology LLC

**Duration of Project:**              8/1/19 - 07/31/21

**Total Award:**                       $111,231

**Grant Number:**                     3200002688

**Inactive**

**Project Title:** “Early Detection and Prevention of Mild Cognitive Impairment”

**Project Number:** R01 NR014189-01

**Principal Investigator(s):** Dr. Gregory Jicha

**Role in Project:** Co-Investigator (neuropathologic examination)

**Date Started:** 11/2012

**Date Completed:**  2016

**Institution/University:** University of Kentucky

**Project Title:** “A Role for C-ABL/ARG in Melanoma Progression”

**Project Number:** 1R01CA166499-01A1 (NCI)

**Principal Investigator(s):** Dr. Rina Plattner

**Role in Project:** Co-Investigator (neuropathologic examination)

**Date Started:** 09/2012

**Date Completed:**  08/2013

**Institution/University:** University of Kentucky

**Project Title:** “Sites of JC Virus latency and Genotypic Differences underlying Tropism”

**Project Number:** 3048107685 (Biogen Research)

**Principal Investigator(s):** Dr. Joseph Berger

**Role in Project:** Co-Investigator (neuropathologic sampling and examination, 2% effort)

**Date Started:** 10/2010

**Date Completed:**  10/2013

**Institution/University:** University of Kentucky

**Project Title:**  *“Aperio ScanScope data analyzed to test key hypotheses about the natural history of amyloid plaques.”*

**Project Number:** *NIH P30 AG028383* (NIA, via pilot grant in Sanders Brown)

**Principal Investigator(s):** Dr. Joseph Berger

**Role in Project:** Co-Investigator (neuropathologic sampling and examination, 2% effort)

**Date Started:** 07/2011

**Date Completed:**  06/2012

**Institution/University:** University of Kentucky, Sanders-Brown Center on Aging

**D. Non-Sponsored Research Projects**

**Active**

**Project Title:** Temporal lobe/hippocampal biobanking

**Project Number:** Pending (check with Farhan)

**Principal Investigator(s):** Dr. Farhan Mirza

**Role in Project:** Co-Investigator (neuropathologic sampling and examination)

**Date Started:** 09/2020

**Date To Be Completed:** Unknown

**Institution/University:** University of Kentucky

**Inactive**

11/2011 College of American Pathologist Foundation Scholars Research Program

Proposal: “Morphologic examination of diffuse amyloid plaques via imageanalysis to elucidate their role in aging and Alzheimer’s disease.” [not accepted]

02/2012 NIH CTSA K12 Career Development Program

Proposal: “Morphologic examination of diffuse amyloid plaques and small vessel disease via digital image analysis to elucidate their roles in aging and Alzheimer’s disease.” [not accepted]

02/2012 UK College of Medicine Young Scientist Program

Proposal: “Morphologic examination of diffuse amyloid plaques and small vessel disease via digital image analysis to elucidate their roles in aging and Alzheimer’s disease.” [not accepted]

12/2012 NIH CTSA K12 Career Development Program

Proposal: “Comparison of Small Vessel Pathologies in Hippocampal Sclerosis and Alzheimer’s Disease by Rigorous Digital Image Analysis.” [not accepted]

**E.** **Other Creative Activities**

**University of Kentucky Department of Pathology**

08/2019-Present Retrieval Practice Initiative, Pathology Residency Curriculum

06/2020-Present Standardized Grossing Manual, Surgical Pathology