

CURRICULUM VITAE

Jon D. Wilson, M.D.

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Present Position

Staff Pathologist
Arkana Laboratories
Little Rock, AR
Director Neuropathology (8/1/14 – present)
Co-Director Molecular Pathology (8/1/14 – present)

Education

B.A., University of Hawaii at Manoa, 1986 (Zoology)
M.D., John A. Burns School of Medicine, University of Hawaii at Manoa, 1992

Postgraduate Training

Integrated Transitional Residency, University of Hawaii, 1992-1993
Resident in Pathology, National Institutes of Health, Bethesda, Maryland, 1993-1996
Fellowship in Cytopathology, National Institutes of Health, Bethesda, 1996-1997
Fellowship in Oncologic Pathology, Memorial Sloan-Kettering Cancer Center, New York, 1997-1998
Fellowship in Neuropathology, Stanford University, Palo Alto, California, 1998-2000
Fellowship in Molecular Pathology, University of Minnesota, Minneapolis, Minnesota 2009-2010

Certification

Anatomic Pathology, American Board of Pathology, November 1996
Cytopathology, American Board of Pathology, July 1997
Neuropathology, American Board of Pathology, July 2001
Molecular Pathology, American Board of Pathology, September 2011 and 2020

Licensure

Alabama	Kansas	New York
Arizona	Louisiana	North Carolina
Arkansas	Maine	Ohio
California	Maryland	Oklahoma
Colorado	Michigan	Pennsylvania
Florida	Minnesota	South Carolina
Georgia	Mississippi	Tennessee
Hawaii	Missouri	Texas
Idaho	New Jersey	West Virginia
Illinois	New Mexico	Wisconsin
Indiana		

Professional Work Experience

Associate Professor, Department of Laboratory Medicine and Pathology
University of Minnesota
Signing out Neuropathology, Surgical Pathology and Molecular Pathology
1/31/2013 – 7/11/14

Associate Professor (Neuropathology, Surgical Pathology and Molecular Pathology
Louisiana State University Health Sciences Center (LSUHSC), 8/2010 – 1/2013
Director of Neuropathology - 8/2010 through 1/2013
Director of Molecular Pathology - 1/2011 through 1/2013

Attending Pathologist (Neuropathology and Surgical Pathology), Department of Anatomic
Pathology, William Beaumont Hospital, Royal Oak, Michigan July 2000 through
July 2009

PUBLICATIONS

Ucker DS, Nicklas G, Milton N, **Wilson JD**: Cell death by activation of an endogenous suicide process. *Lymphokine Receptor Interactions* 179:107-16, 1989

Ucker DS, **Wilson JD**, Hebshi LD: Target cell death triggered by cytotoxic T-lymphocytes: a target cell mutant distinguishes passive pore-formation and active cell suicide mechanisms. *Mol Cell Biol* 14:427-36, 1994

Wilson JD, Katz DA: Amebic encephalitis in a patient with acquired immunodeficiency syndrome. ASCP Check Sample: *Anatomic Pathology* No. APII95-3 (APII-211), pp. 29-43

Walton RC, **Wilson JD**, Chan CC: Metastatic choroidal abscess in the acquired immunodeficiency syndrome. *Arch Ophthalmol* 114:880-81, 1996

Wilson JD, Montague CJ, Salcuni P, Bordi C, Rosai J: Heterotopic mesenteric ossification (intra-abdominal myositis ossificans). *Am J Surg Pathol* 23:1464-70, 1999

Wilson JD, Jacobs M, Shuer L, Atlas S, Horoupian D: Idiopathic giant-cell granulomatous hypophysitis. Report of a case with autopsy follow-up. *Clin Neuropathol* 19:300-04, 2000

Chinn DM, Donaldson SS, Dahl GV, **Wilson JD**, Huhn SL, Fisher PG: Management of children with metastatic spinal myxopapillary ependymoma using craniospinal irradiation. *Med Pediatr Oncol* 35:443-5, 2000

Wilson JD, Horoupian DS. Bielschowsky bodies (Lafora bodies of Bielschowsky type): report of a case associated with Rosenthal fibers in the brain stem. *Acta Neuropathol* 102:505-509 2001

Bosanko, CM, Gilroy J, Wang, AM, Sanders W, Dulai M, **Wilson J**, Blum K: West Nile Virus Encephalitis Involving the Substantia Nigra. *Arch Neurol.* 60:1448-1452, 2003

Bhanot P, **Wilson J**, Amin M, Malhotra R. Nephrogenic fibrosing dermopathy (NFD): a report of two additional cases. *J. Cut Pathol* 31(Jan):115A, 92, 2004

- Dulai MS, Bosanko CM, Wang AM, Horoupian DS, Boodin S, Chen PY, **Wilson JD**. Mixed cystic gliosarcoma and primitive neuroectodermal tumor a case report. *Clin Neuropathol* 2004 Sept-Oct; 23(5):218-22
- Hattab EM, Tu PH, **Wilson JD**, Cheng L. OCT4 immunohistochemistry is superior to placental alkaline phosphatase (PLAP) in the diagnosis of central nervous system germinoma. *Am J Surg Pathol* 29:368-371 2005
- Bhagavathi S, Sharathkumar A, Hunter S, Sung L, Kanhere R, Venturina MD, **Wilson JD**. Activated B-cell immunophenotype might be associated with poor prognosis of primary central nervous system lymphomas. *Clinical Neuropathology* 27:13-20 2007
- Vinekar A, Quiram P, Sund NJ, **Wilson J**, Capone A. Plasmin-assisted vitrectomy for bilateral combined hamartoma of the retina and retinal pigment epithelium. *Retina Cases & Brief Reports* 2009;3:186-189
- Bhagavathi S, Micale MA, Les K, **Wilson JD**, Wiggins ML, Fu K. Primary Bone Diffuse Large B-cell lymphoma: Clinicopathologic Study of 21 Cases and Review of Literature. *Am J Surg Pathol* 2009;33:1463-1469
- Bhagavathi S, **Wilson JD**. Primary central nervous system lymphoma. *Arch Pathol Lab Med* 2008;132:1830-1834
- Gerasymchuk L, Swami A, Carpenter CF, Samarapungavan D, Batke M, Kanhere R, Robinson-Dunn, **Wilson JD**, Szela J. Case of fulminant leptospirosis in a renal transplant patient. *Transpl Infect Dis* 2009;11:454-457
- Lee W, Comstock CH, Kazmierczak C, **Wilson J**, Cancalves LF, Mody S, Yeo L, Romero R. Prenatal diagnostic challenges and pitfalls for schizencephaly. *J Ultrasound Med* 2009;28:1379-1384
- Agabegi SS, Iorio T, **Wilson JD**, Fischgrund JS. Juvenile Xanthogranulomatosis in an Adult Lumbar Spine: A Case Report. *Spine* 2009. Accepted for Publication August 2009
- D'Souza A, **Wilson JD**, Mukherjee S, Jaiyesimi I. Progressive Multifocal Leukoencephalopathy in Chronic Lymphocytic Leukemia: a report of three cases and a review of literature. *Clinical Lymphoma Myeloma & Leukemia* 2010;10:E1-9
- Kaminski IA, Wang AM, Olson J, Schechter S, **Wilson JD**, Olson R. Central Nervous System Crystal Storing Histiocytosis: Neuroimaging, Neuropathology, and Literature review. *AJNR Am J Neuroradiol* 2010; Epub ahead of print.
- Trocchia A, Reyes A, **Wilson J**, Les K. A rare case of segmental neurofibromatosis involving the sciatic nerve. *Am J Orthop* 2010;39:E42-45
- Isackson PJ, Ochs-Balcom HM, Ma C, Harley JB, Peltier W, Tarnopolsky M, Sripathi N, Wortmann RL, Simmons Z, **Wilson JD**, Smith SA, Barboi A, Fine E, Baer A, Baker S, Kaufman K, Cobb B, Kilpatrick JR, Vladutiu GD. Association of common variants in the human eyes shut ortholog (EYS) with statin-induced myopathy: Evidence for additional functions of EYS. *Muscle Nerve* 2011;Mar 31 Epub ahead of print

- Momah T, **Wilson J**, Chu Q. 63-year-old male with multicystic mesothelioma of the peritoneum and adenocarcinoma of the colon- a cases report. *Journal of Medical Case Reports*.
- Saeed F, **Wilson JD**, Berney. Diffuse macular hyperpigmented rash and weakness in an African American woman. *The Journal of Musculoskeletal Medicine* 2011;28:1-3
- Manix MC, Javalkar V, **Wilson JD**, Nanda A. Open ring enhancement in atypical brain demyelination. A case report. *Journal of Clinical Neuroscience*. 2012; Feb 17. Epub ahead of print
- Rios PG, Kalra AA, **Wilson JD**, Tanji K, Akman HO, Schon EA, DiMauro S. Congenital megaconial myopathy due to a novel defect in the choline kinase beta (CHKB) gene. *Arch Neurol* 2012; 69: 657-661
- Armaghany T, **Wilson JD**, Chu Q, Mills G. Genetic alterations in colorectal cancer. *Gastrointest Cancer Res* 2012; 5:19-27
- Chittiboina P, Conner DE Jr, Caldito, Quillin JW, **Wilson JD**, Nanda. Occult tumors presenting with negative imaging: analysis of the literature. *J Neurosurg* 2012; 116:1195-1203; Epub 2012 Apr 13 (PMID 22503122)
- Sag AA, Silbergleit R, Olson RE, **Wilson JD**, Krishnan A. T1 Hyperintense Disc in Alkaptonuria. *Spine* 2012; 37: E1361-1363; Epub 2012 Oct 1 (PMID 22772574)
- Yoder JS, Straif-Bourgeois S, Roy SL, Moore TA, Visvesvara GS, Ratard RC, Hill VR, **Wilson JD**, Linscott AJ, Crager R, Kozak NA, Sriram R, Narayanan J, Mull B, Dahler AM, Schneeberger C, da Silva AJ, Xiao L, Beach MJ. Primary Amebic Meningoencephalitis Deaths Associated with Sinus Irrigation Using Contaminated Tap Water. *Clinical Infectious Disease* 2012; 72: 856-867; Epub 2012 Oct 12 (PMID 22919000)
- Madonia P, **Wilson J**, Bican O, Willis M, Bass P 3rd. HIV, rods, and the muscles—a discussion about HIV-associated nemaline rod myopathy. *J La State Med Soc* 2012; 164:320-323
- Ojemakinde O, Gonzalez Toledo E, **Wilson J**. A case of glioblastoma in infarcted brain. *J La State Med Soc*. 2013 Jan-Feb;165(1):30-2
- Sequeira A, Parimoo N, **Wilson J**, Traylor J, Bonsib S, Abreo K. Polymer Embolization From Minimally Invasive Interventions. *American Journal of Kidney Disease* 2013; 61: 984-987; Epub 2013 Feb 9 (PMID 23403021)
- Levine SN, Ishaq S, Nanda A, **Wilson JD**, Gonzalez-Toledo E. Occurrence of Extensive Spherical Amyloid Deposits in a Prolactin-Secreting Pituitary Macroadenoma: A Radiologic-Pathologic Correlation. *Annals of Diagnostic Pathology* 2013; 17; 361-366; Epub 2013 Apr 17 (PMID 23602507)
- Karger AB, **Wilson JD**, Bower M, Schimmenti LA, Thyagarajan B. Detection of PAX2 Deletions and Duplications using Multiplex Ligation-Dependent Probe Amplification (MLPA). *Genetic Testing and Molecular Biomarkers*. 2013;17:786-788; Epub 2013 Jun 11 (PMID 23756089)
- Dayton RD, Gitcho MA, Orchard EA, **Wilson JD**, Wang DB, Cain CD, Johnson JA, Zhang Y-Z, Petrucelli L, Mathis JM, Klein RL. Selective Forelimb Impairment in Rats Expressing a

- Pathological TDP-43 25 kDa C-terminal Fragment to Mimic Amyotrophic Lateral Sclerosis. *Molecular Therapeutics* 2013 April; Epub ahead of print (PMID 23689600)
- Dr. Sophia Yohe, Adam Hauge, Kari Bunjer, Teresa Kemmer, Mr. Matthew Bower, Matthew Schomaker, Dr. Getiria Onsongo, **Dr. Jon Wilson**, Jesse Erdmann, Dr. Yi Zhou, Mrs. Archana Deshpande, Michael Spears, Dr. Kenneth Beckman, Dr. Kevin Silverstein, Dr. Bharat Thyagarajan.. Clinical validation of targeted next generation sequencing for inherited disorders. *Arch Pathol Lab Med* 2015;139;204-210
- Larsen CP, Durfee T, **Wilson JD**, Beggs ML. A Custom Targeted Next Generation Sequencing Panel for the Diagnosis of Genetic Nephropathies. *Am J Kidney Dis.* 2016 Jun;67(6):992-3. doi: 10.1053/j.ajkd.2015.11.023. Epub 2016 Jan 12
- Larsen CP, Beggs ML, **Wilson JD**, Lathrop SL. Prevalence and organ distribution of leukocyte chemotactic factor 2 amyloidosis (ALECT2) among decedents in New Mexico. *Amyloid* 2016;25:1-5
- Emil Lou, Matthew Schomaker, **Jon D. Wilson**, Mary Ahrens, Michelle Dolan, Andrew C. Nelson. Complete and sustained response of adult medulloblastoma to first-line sonic hedgehog inhibition with vismodegib. *Cancer Biology & Therapy* 2016 Aug 12:1-7.[Epub ahead of print]
- Bonsib SM, Boils C, Gokden N, Grignon D, Gu X, Higgins JP, Leroy X, McKenney JK, Nasr SH, Phillips C, Sangoi AR, **Wilson J**, Zhang PL. Tuberous sclerosis complex: Hamartin and tuberin expression in renal cysts and its discordant expression in renal neoplasms. *Pathol Res Pract* 2016;212:972-979
- Larsen CP, **Wilson JD**, Best-Rosha A, Beggs ML, Hennigar RA. Genetic testing of complement and coagulation pathways in patients with severe hypertension and renal microangiopathy. *Mod Pathol* 2018;31:488-494
- Henzler C, Schomaker M, Yang R, Lambert AP, LaRue R, Kincaid R, Beckman K, Kemmer T, **Wilson J**, Yohe ws, Thyagarajan B, Nelson AC. Optimization of a microfluidics-based next generation sequencing assay for clinical oncology diagnostics. *Ann Transl Med* 2018;6(9):162
- Larsen CP, Bonsib SM, Beggs ML, **Wilson JD**. Fluorescence in situ hybridization for the diagnosis of NPHP1 deletion-related nephronophthisis on renal biopsy. *Hum Pathol.* 2018 Nov;81:71-77. doi: 10.1016/j.humpath.2018.06.021. Epub 2018 Jun 24.
- Skubitz KM, **Wilson JD**, Cheng EY, Lindgren BR, Boylan KLM, Skubitz APN. Effect of chemotherapy on cancer stem cells and tumor-associated macrophages in a prospective study of preoperative chemotherapy in soft tissue sarcoma. *J Transl Med.* 2019 Apr 18;17(1):130. doi: 10.1186/s12967-019-1883-6.
- Best Rocha A, Stroberg E, Barton LM, Duval EJ, Mukhopadhyay S, Yarid N, Caza T, **Wilson JD**, Kenan DJ, Kuperman M, Sharma SG, Larsen CP. Detection of SARS-CoV-2 in formalin-fixed paraffin-embedded tissue sections using commercially available reagents. *Lab Invest.* 2020 Nov;100(11):1485-1489. doi: 10.1038/s41374-020-0464-x. Epub 2020 Jul 9. PMID: 32647285; PMCID: PMC7344352.

Larsen CP, Bourne TD, **Wilson JD**, Saqqa O, Sharshir MA. Collapsing Glomerulopathy in a Patient With COVID-19. *Kidney Int Rep.* 2020 Apr 9;5(6):935-939. doi: 10.1016/j.ekir.2020.04.002. PMID: 32292867; PMCID: PMC7142700.

TEACHING RESPONSIBILITIES

Arkana Laboratories, Little Rock, AR

Weekly remote (Webex) half hour case-based neuromuscular pathology teaching session for Wake Forest University Neuromuscular Fellows

University of Minnesota, Minneapolis

Medical Students

Lectures

- Pathology of soft tissue tumors, MS2 (8/2017)
- Pathology of bone, MS2 (8/2017)
- Pathology of Joints, MS2 (8/2017)
- Pathology of soft tissue tumors, MS2 (3/2017)
- Pathology of bone, MS2 (3/2017)
- Pathology of Joints, MS2 (3/2017)
- Pathology of soft tissue tumors, MS2 (3/10/2016)
- Pathology of bone, MS2 (3/10/16)
- Pathology of Joints, MS2 (3/10/2016)
- Pathology of soft tissue tumors, MS2 (3/12/2015)
- Pathology of bone, MS2 (3/12/15)
- Male Reproductive Pathology I (2013 and 2014)
- Male Reproductive Pathology I (2013 and 2014)

Laboratory sessions

- Gastrointestinal system; esophagus and stomach 3/12/2013
- Small and large bowel 3/19/2013
- Cell Death and Patterns of Necrosis 5/16/2013
- Acute Inflammation 5/23/2013
- Hemodynamic disorders 6/13/2013

Genetic Counseling Students

Gross Neuroanatomy session (two hours)

Louisiana State University Health Sciences Center, Shreveport (10/2010 to 1/2013)

First year medical student lectures:

- Introduction to Neuroanatomy and basic pathologic reactions
- Malformations and perinatal injury
- Central nervous system toxic injury, vitamin deficiency and inherited metabolic disorders
- Central nervous system tumors
- Central nervous system and peripheral nervous system: normal anatomy and neuropathology
- Hydrocephalus and mass lesions
- Cerebrospinal fluid analysis
- Central nervous system trauma, hemorrhage and vascular neuropathology
- Skeletal muscle anatomy and pathology
- Central nervous system infections

Second year medical student lectures:

Sellar and suprasellar pathology/endocrine pathology

Pathology Resident lectures:

- Introduction to Neuroanatomy and basic pathologic reactions
- Malformations and perinatal injury
- Central nervous system toxic injury, vitamin deficiency and inherited metabolic disorders
- Central nervous system tumors
- Central nervous system and peripheral nervous system: normal anatomy and neuropathology
- Hydrocephalus and mass lesions
- Cerebrospinal fluid analysis
- Central nervous system trauma, hemorrhage and vascular neuropathology
- Skeletal muscle anatomy and pathology
- Central nervous system infections
- Sellar and suprasellar pathology/endocrine pathology
- Molecular pathology (multiple talks in preparation)

Psychology Resident lectures:

- Introduction to Neuroanatomy and basic pathologic reactions
- Malformations and perinatal injury
- Central nervous system toxic injury, vitamin deficiency and inherited metabolic disorders

PRESENTATIONS AND POSTERS

PRESENTATIONS:

Grand rounds:

Myotonic dystrophy, molecular pathogenesis
February 26, 2010 Virginia Commonwealth University Department of Pathology

Myotonic dystrophy, molecular pathogenesis
May 27, 2011 Louisiana State University Health Sciences Center Shreveport
Department of Neurology

Molecular pathology of gliomas
March 16, 2012 Louisiana State University Health Sciences Center Shreveport
Feist-Weiller Cancer Center

Molecular neuropathology of gliomas
March 13, 2013 University of Minnesota
Department of Laboratory Medicine and Pathology

Teleconferences:

Multiple 1 hour teleconferences and several 3 hour conferences presented to the National Society for Histotechnology (NSH) on Central Nervous System, muscle and nerve anatomy, special stains and biopsy. Including:

June 16, 2004; 1 hour Teleconference; Peripheral Nerve Biopsy: Anatomy, Useful Stains, Preparation and Case Examples

September 2007; 2 hour workshop; Muscle Anatomy, Special Stains and Enzyme Histochemistry

October 2007; Neuropathology; normal anatomy and pathology. Denver CO

November 18, 2009; 1 hour teleconference; Muscle Case Studies

Weekly half hour case based virtual neuromuscular teaching sessions for Wake Forest
Neuromuscular Fellow(s): July 2020 to present

Workshops and symposia:

Neuro Update 2010 October 2nd 2010 presentation of case pathology; Shreveport Convention
Center

Neuropathology workshop in association with the Arab Division of the International Association of
Pathologists (IAP): presented 3 one hour sessions and 3 unknown case sessions. 160
attendees. October 19-21, 2011 Alexandria, Egypt.

- 1) Meningeal tumor
- 2) Sellar and suprasellar tumors
- 3) Molecular pathology of gliomas

The Second Annual Minnesota Neuro-Oncology Symposium

September 26, 2013 University of Minnesota, McNamara Alumni Center

Title "What happens to your brain tumor samples after removal?"

Presentation to Care-givers, patients and family members (30 minute presentation)

38th Annual ET Bell Fall Symposium, November 1, 2013

Molecular pathology of gliomas (30 minute presentation)

Molecular pathology of soft tissue tumors (30 minute presentation)

William Beaumont Hospital Molecular Symposium 2014; September 15th & 16th

Royal Oak, MI

Molecular pathology of soft tissue sarcomas.

POSTERS:

Wilson JD, Merino MJ, Harris C, Kleiner DE: Mesothelioma versus adenocarcinoma: does
immunohisto-chemistry help? Meeting of the International
Academy of Pathology, 3 March 1997, Orlando, Florida

Wilson JD, Horoupian DS: Bielschowsky bodies (Lafora bodies of Bielschowsky-type): Report of
a case associated with Rosenthal fibers in the brainstem. (Poster), Seventy-Sixth Annual
Meeting of the American Association of Neuropathologists, 10 June 2000, Atlanta,
Georgia

Forno LS, Langston JW, Herrick MK, **Wilson JD**: Ubiquitin-positive neuronal and Tau 2-positive
glial inclusions in fronto-temporal dementia of motor neuron type. (Platform) Seventy-
Sixth Annual Meeting of the American Association of Neuropathologists, 10 June 2000,
Atlanta, Georgia

Tehrani M, Shuster DL, **Wilson JD**: Unusual neuroepithelial tumor with distinctive morphology:
A case report. (Poster) Presented at the American Association of Neuropathologists,
Inc., Marriott Denver City Center, Denver, Colorado, 21-23 June 2002.

Wang A, Bosanko CM, Mallesh A, Silbergleit R, **Wilson J**, Patel S: Bilateral Non-Neoplastic
Thalamic Lesions: Neuroimaging and Differential Diagnosis. RSNA Nov 30-Dec 5 2003,
Chicago, platform

Hattab EM, Tu PH, **Wilson JD**, Cheng L: OCT4 is Superior to PLAP in the diagnosis of central
nervous system germinoma. (Platform) Presented at the Eighteenth Annual Meeting of

- the American Association of Neuropathologists, Oct. 4, 2004, Cleveland, Ohio
- Hattab EM, Tu PH, **Wilson JD**, Cheng L: C-kit and Her2/new expression in primary intracranial germinoma. (Poster) Presented at the Eighteenth Annual Meeting of the American Association of Neuropathologists, Oct. 4, 2004, Cleveland, Ohio
- Dulai, P, **Wilson JD**: Diagnostic slide session case #4 Gliosarcoma with PNET component. (Poster) Presented at the Eighteenth Annual Meeting of the American Association of Neuropathologists, Oct. 4, 2004, Cleveland Ohio.
- Bhanot P, **Wilson J**, Amin M, Malhotra R. Nephrogenic fibrosing dermopathy (NFD): a report of two additional cases. (Poster) Presented at the 40th annual meeting of the American Society of Dermatopathology, Chicago, October 9-12, 2003. *J. Cut Pathol* 31(Jan):115A, 82, 2004
- Young M, Bhardwaj V, **Wilson JD**. Rhinocerebral zygomycete infection in a 12-year-old non-diabetic male with acute lymphoblastic leukemia and down syndrome. (Poster) Presented at the XVIth International Congress of Neuropathology (September 10-15, San Francisco); *Brain Pathol* 16(Sep):166, S76, 2006
- Shuster DL, **Wilson JD**. Calretinin; a useful addition to the antibody staining panel used to evaluate neurocytic or neuronal differentiation. (Poster) Presented at the XVIth International Congress of Neuropathology (September 10-15, San Francisco); *Brain Pathol* 16(Sept):234, S106, 2006
- Wilson JD**, Wang AM, Zakalik K and Rooney, MT. Recurrent Hemangiopericytoma with keloidal collagen versus cellular solitary fibrous tumor? (Poster) Presented at the XVIth International Congress of Neuropathology (September 10-15, San Francisco); *Brain Pathol* 16(Sept):234, S1117, 2006
- Agrawal R, **Wilson JD**, Venturina MP. A neurofibromatosis type 1 patient with variety of synchronous tumors in a pancreaticoduodenectomy specimen. (Poster) Presented at the XVIth International Congress of Neuropathology (September 10-15, San Francisco); *Brain Pathol* 16(Sept):262, S117, 2006
- Hattab EM, Zhang S, **Wilson JD**, Pang-Hsien T, Cheng L. Chromosome 12P abnormalities in germinoma of the central nervous system: a FISH analysis of 23 cases. (Platform) Presented at the XVIth International Congress of Neuropathology (September 10-15, San Francisco); *Brain Pathol* 16(Sept):346, S155, 2006
- Hattab EM, Zhang S, **Wilson JD**, Pang-Hsien T, Cheng L. Are Germinomas of the CNS Genetically Similar to Non-CNS Gem Cell Tumors? A Fluorescent In-Situ Hybridization Study of 25 Cases. (poster) Presented at the 96th Annual Meeting of the United States and Canadian Academy of Pathology. March 24-30, 2007. San Diego, CA. *Mod Pathol* Vol 20, Suppl 1, January 2007 and *Lab Invest* Vol 87, Suppl 1, January 2007.
- Pavlich SL, **Wilson JD**, Rontal DA, Krishnamurthy S. Pituitary adenoma in association with Beckwith-Wiedemann Syndrome. Poster presentation at the College of American Pathologists Annual Meeting, 2007.
- Keyes D, **Wilson J**, Wang AM. Unusual diagnostic dilemma; glioma versus Alexander disease. RSNA Nov 25-30 2007 Chicago (platform presentation)
- Reyes AR, Irwin RB, **Wilson JD** and Desai HS. Intraosseous Hibernoma of the Femur: An

- Unusual Case With a Review of the Literature (Poster No. 20). Annual CAP meeting September 2008 San Diego
- Trocchia AM, Les K, **Wilson JD** and Reyes AR. Rare Case of Segmental Neurofibromatosis Involving the Sciatic Nerve (Poster No. 26). Annual CAP meeting September 2008 San Diego
- Reyes A, Micale M, **Wilson JD**. Supratentorial Primitive Neuroectodermal Tumor (PNET) with an Unusual t(14;19) Translocation. Poster presentation Annual CAP meeting October 11-14 2009 Washington D.C.
- Wiesend WN, Parisi JE, **Wilson JD**. Neuronal intracytoplasmic body inclusion disease (NIID) Diagnosed Incidentally at Autopsy. Poster presentation Annual CAP meeting October 11-14 2009 Washington D.C.
- Wiesend WN, Jones MD, Les KA, **Wilson JD**. Solitary Intraosseous Rosai-Dorfman Disease Involving the Humerus: A Case Report. Poster presentation Annual CAP meeting October 11-14 2009 Washington D.C.
- Fennel T, Les K, **Wilson JD**. A Collision Tumor Involving a Primary Humeral Enchondroma and a Metastatic Papillary Thyroid Carcinoma. Poster #34 presentation Annual CAP meeting October 11-14 2009 Washington D.C.
- Reyes A, Les K, **Wilson JD**. Amyloidoma of Bone and Peripheral Nerve: Report of 2 Cases and Review of Literature. Poster presentation Annual CAP meeting October 11-14 2009 Washington D.C.
- Wilson JD**, Thyagarajan B, Gross MD. Association between gene expression of peripheral blood oxidative stress markers and Alzheimer's disease: The Nun Study. International Congress of Alzheimer's Disease (ICAD) Honolulu July 10 – 15, 2010
- Chen S, Li X, **Wilson J**, Hoque R, Schwendimann R. A case of chronic sensory, motor and autonomic neuropathy. Annual Carrell-Krusen Neuromuscular Symposium, Texas Scottish Rite Hospital for Children, Dallas, Texas, February 17-18, 2011.
- Vo N, Patel S, Golzalez-Toledo E, **Wilson JD**. Unusual Low-Grade Neuroepithelial Neoplasm With Pseudopapillary Growth Pattern and Perivascular Collagen Deposition. Poster #662011 AANP June 24, 2011 [AANP June 23-26]
- Vo N, **Wilson JD**, Traylor J. Bacterial Abscess With Diffuse Sterile Leptomeningeal Calcific Sugar-Coating. Poster #84 2011 AANP June 24, 2011 [AANP June 23-26]
- Ishaq S, Nanda A, **Wilson JD**, Levine SN. A Rare Occurrence of Extensive Spherical Amyloid Deposits in a Prolactin-Secreting Pituitary Macroadenoma. 93rd Annual Meeting of the Endocrine Society June 4-7. 2011 Boston, MA
- Ganta VC, Thakur JD, Khan IS, **Wilson JD**, Nanda A, Alexander JS. Expression of lymphatic markers in Glioblastoma Multiforme: Biomarkers for disease pathology? 2012 American Association of Neurologic Surgeons meeting; April 14-18, 2012, Miami FL
- Ojemakinde KO and **Wilson JD**. Efficacy of transplant mediums for muscle biopsy sample preservation. USCAP March 17-23 2012, Vancouver Canada
- Boukarrou L, Saeed N, Kalra AA, Riel-Romero RM, **Wilson JD**. A Neonate with Nemaline Rod

Myopathy and Abnormal Mitochondria. 35th Annual Carrell-Krusen Neuromuscular Symposium, Dallas February 14-15, 2013, Poster presentation

Sarah E. Martin MD **Jon D. Wilson MD**, Eyas Hattab MD. 89th Annual Meeting of the American Association of Neuropathologists (AANP), Charleston, South Carolina June 20-23, 2-13; presented at the 54th Annual Diagnostic Slide Session Case 2013-11

Jon D. Wilson, Matthew A. Bower, Matthew Schomaker, Sophia L. Yohe, Geteria Onsongo, Kenny B. Beckman, Kevin A. T. Silverstein, Michael D. Spears, Khalaf Bushara, Bharat Thyagarajan. UMN Experience with Next Generation Sequencing (NGS) of previously test negative ataxia patients. 48th Annual Meeting of the Academy of Clinical Laboratory Physicians and Scientists (ACLPS) June 6-8, 2013 Poster #85

Qi Wang, **Jon Wilson**, Shabnum Chaudhery. Harlequin Ichthyosis. Annual Meeting of the College of American Pathologists (CAP), Orlando, Florida October 13-16, 2013 Poster presentation

Matthew Bower, Khalaf Bushara, Kenneth Beckman, Adam Hauge, Archana Despande, Matthew schomaker, Geteria Onsongo, Kevin Silverstein, Joline Dalton, Peter Karachunski, **Jon Wilson**, Bharat Thyagarajan. Diagnostic yield of a targeted next generation sequencing approach in a young adult population: high frequency of recessive ataxias and implementation of a next-generation sequencing copy number variation algorithm. Presented at Ataxia Investigators meeting Las Vegas March 2014

Rooney M, **Wilson J**, Les K, Corpuz N, Qu Z. Mixed Erdheim Chester and Langerhans cell histiocytosis with BRAF V600E mutation. Accepted for poster presentation at CAP 2014; manuscript for publication in progress

RESEARCH EXPERIENCE

Stanford University, Palo Alto VA Hospital, California, laboratory of Thomas Rando, MD, PhD, 1999-2000, studying muscular dystrophy. Work centered around establishing in-situ hybridization (non-isotopic) on tissue sections, but also TUNEL staining and immunofluorescent antibody staining.

National Institutes of Health, laboratory of Susan Mackem, MD, PhD, 1993-1996. Work predominantly centered around using the two hybrid system in detecting protein-protein interactions of Hoxd12 as part of a larger project exploring limb bud development.

Morphologic evaluation of frozen sections from Henry Ford Hospital brain tumor tissue bank for use in the Human Genome Project's Cancer Genome Project Atlas gene sequencing of glioblastoma multiforme 2007.

Genetic Susceptibility to Lipid-Lowering Drug-Induced Myopathies, multicenter collaborative study: primary investigator Georgirene D. Vladutiu PhD at The State University of New York at Buffalo. NIH grant funded 2008.

Gene expression profile of SOD1, SOD2, HMOX1, NCF1 and COXb in peripheral blood samples of Nun Study dementia and control cases. Laboratory of Drs. Bharat Thyagarajan and Myron Gross at the University of Minnesota, Minneapolis. Gene expression assessed using rtPCR assay and Pfaffl method.

PRIOR WORK EXPERIENCE

Hospital Corpsman, United States Navy for 5 years (final rank of E-5)
CoA 3rd Reconnaissance
Scuba School, Pearl Harbor, Hawaii
Naval Second Class Diving School, Little Creek, Virginia (Honorman)

Inside tender, Kewalo Basin Hyperbaric treatment center, Honolulu, Hawaii

Research Technician, Laboratory of Dr. David Ucker, Medical Biology Institute, Torrey Pines, California

AWARDS

Phi Eta Sigma (Freshman Honor Society; University of Hawaii), 1984
John A. Burns School of Medicine Merit Tuition Award, 1989 and 1990
Alpha Omega Alpha, 1991

First Annual Resident Teaching Award, William Beaumont Hospital, 2009
Albert G. Smith Faculty of the Year Award; Louisiana State University Health Sciences Center, 2012

Annual Resident Teaching Award, University of Minnesota, Department of Laboratory Medicine and Pathology, 2014

INTERESTS/ACTIVITIES

Painting (encaustic and oil), drawing (figure), sculpture (stone), ceramics (porcelain), cooking, hiking, swimming, classical guitar